



**2013 ANNUAL REPORT**  
PETER WALL INSTITUTE FOR ADVANCED STUDIES

**The Institute is committed foremost to excellence in research;** its goal is to stimulate collaborative, creative, innovative interdisciplinary research that makes important advances in knowledge. A guiding principle is that excellence and truly innovative research are achieved in a highly collaborative international research environment at the University of British Columbia, where UBC scholars have sustained opportunity to exchange ideas with national and international scholars, to work together on innovative research, develop new thinking that is beyond disciplinary boundaries, and engage in intellectual risk-taking. The Institute respects diversity of perspectives and backgrounds, research embedded in the community and integration of multimodal and expressive arts as an important component of research across all disciplines. The Institute is committed to wise stewardship of its resources in continuing to build on its significant research accomplishments.

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# Director's Message



Excellence in research is the Institute's primary goal, creating the environment for collaborative, creative, interdisciplinary research that makes important advances in knowledge. Our guiding principle is that excellence and truly innovative research are achieved in a highly collaborative international research environment, where UBC scholars have sustained opportunity to work with national and international scholars to develop new thinking that is beyond disciplinary boundaries. This year, the Institute developed its long term strategic vision and a three-year action plan that will scale up advanced research of global potential. The Institute is supporting a range of activities reflective of an institute for advanced studies, from basic research and knowledge creation through applied and problem-solving research to knowledge mobilization and dissemination, in the belief that multiple and intersecting pathways to knowledge lead to new questions, unexpected discoveries and significant applications. The Institute has become one of the leading institutes for advanced study globally.

Our activities are aimed at creating an institute that is foremost about people, selecting the very best scholars from both UBC and internationally, to seriously enhance opportunities for new research directions, and serve as a catalyst for new research advances and research synergies. We support the next generation of interdisciplinary thinkers by building research and leadership capacity. The Institute's research integrates multimodal and expressive arts as an important component of research across all disciplines.

It has been an extraordinary year of innovative research. The Institute hosted fifteen International Visiting Research Scholars in partnership with UBC faculties and research centres to bring outstanding scholars to UBC to work collaboratively with UBC faculty members on ground-breaking research. The Institute organized a conference of University-based Institutes for Advanced Study (UBIAS), Scientific and Academic Knowledge, which brought together 120 scholars from institutes for advanced study around the world. The Institute also hosted six International Research Roundtables, allowing scholars from the international community and Canada to come together in the pursuit of knowledge in an interdisciplinary environment, fostering novel approaches to engagement in fundamental research and idea exchange that may prompt advances in the sciences, social sciences and humanities and have a significant impact on knowledge. Diverse topics included Ocean Acidification: Global Implications for the Marine Environment and We are Our Brains. International colloquia, such as Coherent and Incoherent Wave Packet Dynamics, brought together distinguished scholars globally to develop new research directions. The Institute's Major Thematic Grant program funded new fundamental research, such as the search for new nanomaterials for alternative energy applications.

In 2013, the Institute welcomed Distinguished International Visiting Professors Dr. Anne Cheng, Chair of Chinese Intellectual History, Collège de France; Dr. Philippe Descola, Chair in Anthropology of Nature, Collège de France; Dr. Peter Goddard, Mathematical Physicist and Professor of Theoretical Physics, Princeton Institute for Advanced Studies; and Dr. Bruno Latour, philosopher, sociologist and anthropologist of science and technology, Science Po, Paris.

The Institute's outstanding Solutions Initiative has made a significant contribution, working with community partners to develop and implement practical solutions to societal problems. The Wall Exchange is a community program that brings prominent researchers and humanitarians to Vancouver in an accessible public forum for discussion of key issues.

As Director, it has been my very great pleasure to work with all these extraordinary scholars, including the faculty associates, scholars in residence, members of the International Academic Advisory Committee, the VP Research and International, the board of trustees, and a staff at the Institute that are highly dedicated to the success of the programs. In particular, special recognition must be given to Distinguished Professors Dr. Brett Finlay and Dr. Derek Gregory for their extraordinary vision and dedication to the Institute. I hope this annual report of activities will inspire you to become part of the tremendous energy and commitment to important, innovative, fundamental research in the Institute's interdisciplinary environment.



**Dr. Janis Sarra**

Professor of Law, Institute Director

# UBIAS International Research Conference

The Peter Wall Institute for Advanced Studies hosted the international conference of the University-Based Institutes for Advanced Study (UBIAS) network on September 17 – 19, 2013. The conference, entitled *Scientific and Academic Knowledge*, brought together over 120 scholars from Institutes for Advanced Study around the world, including from Germany, Sweden, Finland, Israel, France, Korea, Japan, Brazil, Australia, UK and US, as well as many scholars from The University of British Columbia (UBC) and members of the public, to share ideas on interdisciplinary knowledge seeking, creation and mobilization; and to showcase the highly innovative and ground-breaking research being conducted.

Conference participants acknowledged the traditional, unceded territory of the Musqueam people on which UBC is located, and the Truth and Reconciliation Commission, which held hearings in Vancouver the same week.

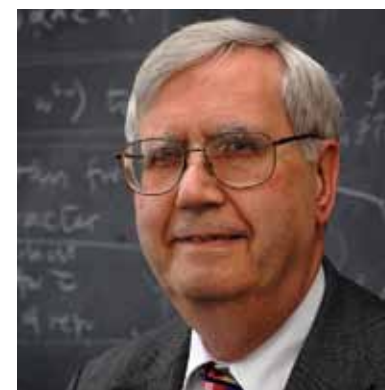




The Coastal Wolf Pack opened an evening of 'performance on water' at the UBIAS conference in September 2013.



Dr. Shelly Johnson, 2013-2014 Peter Wall Early Career Scholar,  
Dr. Anne Cheng and Dr. Peter Goddard, Distinguished Visiting Professors.



Peter Wall Institute Faculty Associate **Dr. Shelly Johnson** discussed her experience and perspective on the process of embedding Indigenous learning into academic practice, and conference attendees were encouraged to visit the Belkin Gallery and Museum of Anthropology to explore works created and inspired by the First Nations experience in Canada. [Listen to podcast.](#)

Conference sessions were led by international panels from UBIAS Institutes, and covered a broad range of topics including the international dispersion of academic knowledge; interdisciplinary work in the humanities and cultural studies; interdisciplinarity in the mathematical and physical sciences; modern trends in technology development and globalization of learning; cross-disciplinary approaches to achieving social transformation; new models for translating research findings for societal benefit; and an exploration of the arts in knowledge generation and translation towards developing resilience in individuals and communities.

#### Conference keynote talks included:

##### **The French Invention of Sinology as an Academic Discipline**

**Dr. Anne Cheng**, Professor, Chair of Chinese Intellectual History, Collège de France, France

September 17, 2013

[Listen to podcast.](#)

##### **Knowledge and Interdisciplinarity in the Mathematical and Physical Sciences**

**Dr. Peter Goddard**, Professor, School of Natural Sciences, and Past Director, Institute for Advanced Study, Princeton, United States

**Dr. Eliezer Rabinovici**, Professor of Physics, Hebrew University, Jerusalem, and Past Director, Institute for Advanced Studies of Jerusalem, Israel  
September 18, 2013





Dr. Brett Finlay, Peter Wall Distinguished Professor, Dr. Stephen Toope, UBC President from 2006-2013, Dr. Philippe Descola, Distinguished Visiting Professor.

### **The Knowledge Pipeline: Translating Basic Findings Into Society; and Unraveling the Depth of our Symbiosis with Microbes. How Much will it Affect Medicine?**

**Dr. Brett Finlay**, Peter Wall Distinguished Professor, Departments of Microbiology and Immunology, Biochemistry and Molecular Biology, Michael Smith Laboratories, UBC; and **Dr. Philippe Sansonetti**, Professor of Microbiology, Collège de France, France  
September 18, 2013

[Listen to podcast.](#)

### **The Challenge for Scientific and Academic Knowledge**

**Dr. Stephen Toope**, President, UBC and Chair of Board, Peter Wall Institute for Advanced Studies  
September 19, 2013

[Listen to podcast.](#)

### **What is Anthropological Knowledge?**

**Dr. Philippe Descola**, Chair in Anthropology, Collège de France, France  
September 19, 2013

[Listen to podcast.](#)

Select [podcasts](#), [video recordings](#) and [photos](#) of the conference are available online.

Conference participants attended two special evening presentations; a dance performance by renowned Canadian dancer/choreographer **Margie Gillis** for the book launch of the newly published *An Exploration of Fairness, Interdisciplinary Inquiries in Law, Science and the Humanities*, Dr. J. Sarra, ed., at the Roundhouse Theatre, and 'Arts-based Conceptions of Water', a showcase of innovative artistic works by students, and musical performances by students and faculty of the UBC School of Music.

## INTERNATIONAL PROGRAMS

# International Visiting Research Scholars

The Peter Wall Institute International Visiting Research Scholar Awards brings some of the world's best scholars to UBC. The objectives of the program are to bring outstanding international scholars to UBC for extended visits; to foster basic and advanced research in an interdisciplinary research environment; to strengthen interactions between international visiting scholars and their UBC peers; to nurture longer-term interdisciplinary relationships through the Institute; and to foster partnerships between the Institute and UBC's faculties, departments and research centres.

**International Visiting Research Scholars** visit the Institute for a minimum period of three weeks and undertake research in the sciences, social sciences or humanities in interdisciplinary collaboration with scholars from UBC. The visiting scholar gives a public talk, suitable to an interdisciplinary audience, on some aspect of her or his current research; jointly hosted by the Peter Wall Institute and the UBC sponsoring faculty or research centre. The scholars and their UBC faculty host attend the Institute's Scholars in Residence weekly meetings, discussing their research. Each UBC faculty sponsor organizes a meeting between the International Visiting Research Scholar and graduate students and post-doctorates in the relevant disciplines.



**Dr. Ilya Averbukh**, Professor, The Patricia Elman Bildner Chair, Department of Chemical Physics, The Weizmann Institute of Science, Israel

Research at UBC: Laser control of molecular rotation. Femtosecond Raman-type molecular alignment for controlling molecular scattering in homogeneous fields (optical, static, electric, magnetic) by short laser pulses. Quantum resonances and quantum chaotic phenomena.

UBC host faculty member: Dr. Moshe Shapiro (deceased 2013), Department of Chemistry and Department of Physics and Astronomy; Canada Research Chair Professor in Quantum Control, UBC.

Visiting Dates: March 10–May 4, 2013

Public Talk: **“Using Lasers to Rotate Molecules”**



**Dr. Mark Bray**, UNESCO Chair Professor in Comparative Education, Comparative Education Research Centre, The University of Hong Kong

Research at UBC: Global growth of Shadow Education and its implications for social and economic development. The transfer of demand

for Shadow (supplementary) Education through immigration and the extent to which immigrant groups carry educational preferences for their children through the experience of migration.

UBC host faculty member: Dr. Julian Dierkes, Institute of Asian Research; Associate Professor and Keidanren Chair in Japanese Research, Institute of Asian Research; Director, Centre for Japanese Research, UBC

Visiting Dates: December 13–24, 2012; May 8–18, 2013

Public Talk: **“Shadow Education: Comparative Perspectives on the Global Growth and Local Implications of Out-of-School Supplemental Education”**



**Dr. Gary Edmond**, Director of the Expertise, Evidence and Law Program, School of Law, University of New South Wales, Australia

Research at UBC: Validity and reliability of expert evidence in the emerging field of image identification in the context of what constitutes expertise and how best to test knowledge that forms the basis for courts' findings of fact.

UBC host faculty member: Dr. Emma Cunliffe, Faculty of Law, UBC

Visiting Dates: October 7–30, 2013

Public Talk: **“Ordeal by Trial: Expert Evidence and the Limits of Legal Practice”**



**Dr. Nélia Susana Dias**, Associate Professor, Department of Anthropology, University of Lisbon, Portugal

Research at UBC: Social practices surrounding both natural and cultural objects threatened by extinction. The changing relations between Museum practices and the governance of metropolitan and colonial populations.

UBC host faculty member: Dr. Nuno Porto, Associate Director Research, Museum of Anthropology, UBC

Visiting Dates: March 30–April 21, 2013

Public Talk: **“Preserving the Endangered”**



**Dr. Thomas Erneux**, Professor & Research Director, Belgium Department of Optique Nonlineaire Theorique, Université Libre De Bruxelles, Belgium

Research at UBC: Delayed feedback controls for stabilizing chaotic systems with specific reference to slow passage problems and the effect of noise.

UBC host faculty member: Dr. Yue-Xian Li, Department of Mathematics and Department of Zoology, UBC

Visiting Dates: May 3–May 25, 2013

Public Talk: **“Delay-Friend or Enemy”**



**Dr. Maria Lohan**, Senior Lecturer, Department of Nursing and Midwifery, Queen's University, Belfast, Northern Ireland

Research at UBC: Feminist theories of masculinities. Men's health and reproduction and the development of men centered interventions.

UBC host faculty member: Dr. John O'liffe, Department of Nursing, UBC

Visiting Dates: March 23–April 17, July 12–August 21, 2013

Public Talk: **"A Feminist Theory of Men and Reproduction"**



**Dr. Martin Skutella**, Professor, Department of Mathematics, School II - Mathematics and Natural Sciences Technische Universität Berlin (TUB), Germany

Research at UBC: Network flow algorithms. Discrete mathematics, theoretical computer science, and operations research.

UBC host faculty member: Dr. Thomas McCormick, Operations and Logistics Division, Sauder School of Business, UBC

Visiting Dates: September 1–November 30, 2013

Public Talk: **"The Notion of Time in Network Routing Problems"**



**Dr. Karen Spruyt**, Professor, Department of Developmental Neuropsychology, Faculty of Psychology and Educational Sciences, Vrije Universiteit Brussel (VUB), Belgium

Research at UBC: Life trajectories of children with fetal alcohol spectrum disorder (FASD). The impact of sleep problems and psychotropic medications on

restless day and nighttime behaviours.

UBC host faculty member: Dr. Osman Ipsiroglu, Department of Pediatrics, Sylvia Stockler, Department of Pediatrics, UBC

Visiting Dates: June 9–June 25, September 19–September 28, 2013

Public Talk: **"The Consequences of Chronic Sleep Deprivation"**



**Dr. Ron Rapee**, Professor, Department of Psychology, Macquarie University, Australia

Research at UBC: Australian population-wide intervention for the prevention of anxiety disorders with the aim of adapting his intervention for school settings in a multidisciplinary fashion in Canada.

UBC host faculty member: Dr. Lynn Miller, Department of Educational and Counseling Psychology and Special Education, UBC

Visiting Dates: May 6–25, 2013

Public Talk: **"Current Directions in the Management Of Social Anxiety In Adults"**



**Dr. Colin Ware**, Professor & Director of the Data Visualization Research Lab, Department of Computer Science, University of New Hampshire, United States

Research at UBC: Visual thinking tasks that relate to network analysis and visual thinking algorithms with the purpose of developing methods for designing the most cognitively efficient types of visual representation.

UBC host faculty member: Dr. Tamara Munzner, Department of Computer Science, UBC

Visiting Dates: February 17–March 23, 2013

Public Talk: **“Visual Thinking Algorithms”**



**Dr. B.L. William Wong**, Professor & Head, Interaction Design Centre, Department of Computing and Multimedia Technology, Middlesex University, UK.

Research at UBC: Defining how visual analytics can provide solutions to systemic risk management challenges.

UBC host faculty member: Dr. Victoria Lemieux, School of Library, Archival and Information Studies; Acting Director, Media and Graphics Interdisciplinary Centre, UBC

Visiting Dates: February 22–March 15, 2013

Public Talk: **“Visual Analytics in Financial Systemic Risk Analysis”**

#### **International Visiting Research Scholars awarded in 2013 but visiting in 2014:**

**Dr. Maria Carrasco**, Professor, Psychology & Centre for Neural Sciences, New York University, USA

**Dr. Alexandre Carter**, Clinical Assistant Professor, Department of Neurology, Faculty of Medicine, University of Washington at St. Louis, USA

**Dr. Cynthia Cohen**, Director, Program in Peacebuilding and the Arts, International Center for Ethics, Peace, Conflict and Coexistence Studies Justice & Public Life, Brandeis University, USA

**Dr. Denise Ferreira da Silva**, Professor, Centre for Ethics and Politics, Queen Mary, University of London, UK

**Dr. Margalit Finkelberg**, Professor, Department of Classics, Tel Aviv University, Israel

**Dr. Mark Franko**, Professor, Department of Dance, Boyer College of Music & Dance, Temple University, USA

**Dr. Claudio Giannetti**, Assistant Professor, Department of Physics, Faculty of Natural Sciences, Università Cattolica del Sacro Cuore, Italy

**Dr. Christian Giaume**, Professor, INSERM U840, Collège de France, France

**Dr. Bob Jessop**, Distinguished Professor, Department of Sociology, Faculty of Arts and Social Sciences, Lancaster University, UK

**Dr. Rana Nayar**, Professor, Department of English and Cultural Studies, Panjab University, India

**Dr. Matthias Rief**, Department of Physics, Technische Universität München (TUM), Germany

**Dr. Andrew Weller**, Professor, Department of Chemistry, Faculty of Science, University of Oxford, UK

## INTERNATIONAL PROGRAMS

# UBC Visiting Scholar Abroad

The UBC Visiting Scholars Abroad Research Award was granted to faculty members who are early or mid-career scholars (pre-tenure or recently tenured) to travel abroad and undertake innovative research that will make a social, ethical, medical, scientific, or other contribution to the country being visited. The objective of the Peter Wall Institute UBC Visiting Scholar Abroad award is to support research that will have a transformative impact on scholars and situations in the host country, as well as have a transformative impact on the UBC scholar's intellectual development.







Dr. Gregory Crutsinger, recipient of the Visiting Scholar Abroad award, during his visit to the Mpala Research Center in Nanyuki, Kenya to study the role of megafauna on microfaunal diversity.

### Dr. Gregory Crutsinger

Research Project title: **The Role of Large Mammals and Rainfall in East African Ecosystems**

Host Institution: Mpala Research Center, Nanyuki, Kenya

Travel Dates: May 20–September 1, 2013

Public Talk: **“The role of megafauna on microfaunal diversity and in Kenyan ecosystems”**

October 17, 2013, Beaty Biodiversity Museum, UBC

Dr. Gregory Crutsinger is a Professor in the Department of Zoology at UBC and is a community ecologist who studies the links between hierarchies of biological diversity from genes to ecosystems.

In 2013, Dr. Crutsinger received a UBC Visiting Scholar Abroad award to launch long-term collaborations with early-career researchers at the Mpala Research Centre in the Laikipia District in northern Kenya. Mpala covers over 49,000 acres of savannah and dry woodland habitats and falls within the rain shadow of Mt Kenya, leading to pronounced climatic variability at small spatial scales. Mean annual rainfall increases from 440 to 640 mm/year over 20 km from north to south. Large mammalian herbivores are key players in East African ecosystems, in general, and Mpala is no exception. The Centre

is home to 22 species of native large herbivores, including elephants, zebra, impala, and dik-dik.

Over a 15-week trip to Kenya, Dr. Crutsinger collaborated with Mpala researchers on an ongoing field experiment consisting of one-hectare plots that exclude different size classes of mammalian herbivores. These electrified exclosures are then replicated across the Mt. Kenya rainfall gradient. The overarching goals of his work were to test the direct and indirect effects of excluding herbivores of different sizes on the diversity and structure of the plant community and associated food webs of invertebrates.

The trip was a resounding success with a considerable amount of data collected and currently being processed in the laboratory for scientific publication. Moreover, the Visiting Scholar Abroad Program supported an exciting new framework of engagement between UBC and Mpala Research Center. In particular, it provided a valuable opportunity to pair a UBC graduate student, Matthew Barbour, with a Kenyan graduate student, Toby Mackinen, in project development and field research collaboration. Taken together, this trip laid the groundwork for long-term collaborations with an international contingent of academic researchers, students, and field assistants in East Africa.





Dr. Shafik Dharamsi from UBC's Department of family practice used his Visiting Scholar Abroad award to visit Kathmandu in India to work with the Patan Academy of Health Sciences on developing socially responsible physicians in Nepal.

#### **Dr. Shafik Dharamsi**

Research Project Title: **Establishing an International Research Agenda on the Development, Implementation and Impact of Social Accountability in Medical Education**

Host Institution: Patan Academy of Health Sciences (PAHS), Katmandu, Nepal

Travel Dates: July–October 2013

Dr. Shafik Dharamsi is an Assistant Professor, Department of Family Practice, Faculty of Medicine, UBC; Peter Wall Institute Faculty Associate; Faculty Fellow in Residence, Liu Institute for Global Issues, Global Health Network, UBC; and Associate Faculty Member in the School of Population & Public Health, UBC.

Dr. Dharamsi is one of few scholars in the world whose research focuses on improving the theoretical and practical understanding of social accountability and health advocacy in the practice of medicine. This research is of particular significance because inequities in health are the single largest determinants of the health of populations, and physicians are ill prepared to address this issue. Dr. Dharamsi's academic work pertains to questions of how to better prepare

future physicians to be mindful and responsive to the social determinants of health and to effectively address inequities in healthcare.

The UBC Visiting Scholar Abroad award enabled Dr. Dharamsi to visit Kathmandu, Nepal from September–October 2013 to work with Dr. Arjun Karki (the former Vice Chancellor), Dr. Jay Shah (current Vice Chancellor), Dr. Kedar Baral (Rector), and the medical faculty at the Patan Academy of Health Sciences (PAHS) to develop a much needed research program for investigating the impact of their medical curriculum on developing socially responsive physicians in Nepal.

During his visit to Nepal in 2013, Dr. Dharamsi worked with local medical faculty and a group of visiting international scholars gathered to workshop the development of a new School of Public Health at PAHS. Following extensive consultation and working sessions with local and international scholars; field visits to three remote rural hospitals and health centres where PAHS medical students have their clinical postings; and several consultative meetings with PAHS faculty and students, Dr. Dharamsi carried out a program of work that included a series of events designed to enable identification of research priorities and the development of a research agenda on social accountability.

The study of a medical school explicitly developed on the principles of social accountability promises to make significant contributions well beyond rural Nepal, and with immediate knowledge translation opportunities through both policy and emulation. In addition, it creates the basis for a comprehensive international research program on social accountability that will support the development of evidence needed to inform on-going curricular improvement in medical education, including the selection, deployment, attitude development, life-long learning and follow-through of its graduates as socially responsive and accountable physicians. Towards this end, several peer reviewed publications have been submitted for publication.

#### **Awarded 2013 and traveling 2014**

##### **Dr. Mark Johnson**

Research Project Title: **Assessing the Vulnerability of a Key Node in the Virtual Water Trade Network to Multiple, Interacting Stressors under Future Climate Scenarios**: Mato Grasso, Brazil

Host Institution: Universidade Federal de Mato Grosso


Travel Dates: March 1–April 30, 2014

## INTERNATIONAL PROGRAMS

# International Research Roundtables

The International Research Roundtable Program allows scholars on a local, national and international level to come together in the pursuit of knowledge within an interdisciplinary environment. The Roundtable sessions foster novel approaches toward engagement in fundamental research and idea exchange that may prompt advances in the sciences and humanities. The Peter Wall Institute will host up to six International Research Roundtables per year. Overall, the program strives for interdisciplinarity and knowledge mobilization as researchers from all disciplines come together to collaborate, make contributions to knowledge, engage the UBC community, and continue to work together once the Roundtable sessions end.



A group of five people are standing on a paved path in Stanley Park, Vancouver, looking out at the city skyline across the water at sunset. The path is lined with a low concrete wall on the left and trees on the right. The city skyline is visible in the background, with the sun setting behind the buildings, creating a warm glow. The water is calm, reflecting the city lights and the sunset. The people are dressed in casual outdoor clothing, including jackets and jeans. The overall atmosphere is peaceful and scenic.

“I developed new collaborations with folks I normally wouldn’t have interacted with – with bright people from so many completely different disciplines; instead of ‘thinking outside the box’, the box just disappeared.”

– Delegate, Time and Life in the Universe Roundtable

Ocean acidification Roundtable participants take in Stanley Park during their stay in Vancouver in October 2013.

### “Creating a Knowledge Hub in Health Literacy and Chronic Disease Management”

May 1–4, 2013

Principal Investigator: **Dr. Mark Fitzgerald**, Institute for Heart and Lung Health, Division of Respiratory Medicine, Faculty of Medicine, UBC

An estimated three out of ten Canadians are at the lowest level of general literacy. Many of these individuals are unable to manage “basic written materials”. Within the context of health care, low literacy can translate into difficulties with understanding physician instructions, reading medication labels, and generally following treatment recommendations. Low literacy in Canada has also been associated with worse reported health status, lower levels of knowledge about disease management and less well managed chronic diseases. With chronic disease on the rise in Canada, it is critical to better understand both health literacy and its impact on chronic disease management.

This International Research Roundtable, which explored the intersection of health literacy and chronic disease, was conceived as an opportunity to convene a multidisciplinary group of experts with the goal of creating an interdisciplinary Health Literacy and Chronic Disease Knowledge Hub. The mandate for this Knowledge Hub would be to inform ongoing research and practice efforts toward increasing the awareness and importance of health literacy in the development of strategies for better chronic disease management.

There have been several outcomes as a result to this Roundtable. A follow-up meeting was held with researchers from the University of Victoria, BC Literacy and Health Network, and Health Literacy Innovations to brainstorm the findings of the Roundtable and possibility of establishing a training centre for next generation of health literacy researchers and practitioners. A manuscript is in preparation, entitled: “Priorities for Action: Outcomes from an International Roundtable on Health Literacy and Chronic Disease Management” and will be submitted to the Canadian Medical Association Journal.

Public Event: **Poster Session and Presentations: “Providing More Understandable Health Care Knowledge to the Public about Heart and Lung Disease”**

Speakers: Dr. Mark FitzGerald, Dr. Nadia Khan, Dr. Tricia Tang, Dr. Lorie Donelle, Dr. Victoria Purcell-Gates, Dr. Stirling Bryan and Dr. Mohsen Sadatsafavi, Marina Niks, Dr. Linda Li.

May 4, 2013, Liu Institute for Global Issues, UBC

### “A Biocultural Hinge: Theorizing Affect and Emotion Across Disciplines”

May 1–4, 2013

Principal Investigators: **Dr. Adam Frank**, Department of English, Faculty of Arts, UBC; **Dr. Shelly Rosenblum**, Morris and Helen Belkin Art Gallery, UBC

This International Research Roundtable was convened to address the enormous recent interest in the emotions across a wide variety of disciplines: philosophy, literary criticism, sociology, geography, history, anthropology, academic and clinical psychology, the neurosciences, and the visual and performing arts. The task was to address a series of difficult questions concerning how affect and emotion are currently theorized across disciplines including:

- How do various disciplines define emotion, whether in terms of subjective feeling, observable psycho-physiological state, neurobiological process or event, discursive entity, or aesthetic means or end?
- How might these definitions intersect or fail to intersect with one another?
- Can any existing theory of emotion accommodate these definitions?

Rather than seeking to unify various definitions and perspectives, the goal was to facilitate a productive dialogue on emotion as a transdisciplinary object of study. To focus discussion, participants were encouraged to explore the idea that any adequate account of the reciprocal relations between biology and culture would require a compelling theory of emotion. That is, the theorization of affect and emotion might be productively thought of as ‘a biocultural hinge’ that may help to explain the ways that cultural experience can act back on biological matter.

The discussions that developed over the course of the Roundtable will be ongoing, with prospects for future meetings and events in discussion. Participants are aiming to publish an interdisciplinary written dialogue in the near future.

Public Events: **Rachel Iwaasa - Pianist**

May 1, 2013, Gessler Shelley Hall, UBC

Rachel Iwaasa, a pianist known for bold and innovative concerts, presented an evening of Mozart and Beethoven, together with “De Profundis”, a piano and spoken word piece by American composer, Frederic Rzewski.

Radio Free Stein: “For the Country Entirely. A Play in Letters” by Gertrude Stein  
May 3, 2013, Western Front, 303 East 8th Avenue, Vancouver

A concert staging and interactive workshop of Gertrude Stein’s “For the Country Entirely. A Play in Letters,” with music by Dorothy Chang, based on a scenario by Adam Frank, and directed by Adam Henderson. This play was the pilot episode of Adam Frank’s “Radio Free Stein”, a large-scale serial sound project that aims to render a number of Stein’s 80 plays into recorded dramatic and musical form. Musicians: Mark Ferris and Domagov Ivano.



### **“Bonding Through Bars – Incarcerated Mothers and their Children”**

May 5–10, 2013

Principal Investigators: **Dr. Ruth Elwood Martin**, Collaborating Centre for Prison Health and Education SIFP Department of Family Medicine, Faculty of Medicine, UBC; **Dr. Jane Buxton**, School of Population and Public Health, Faculty of Medicine, UBC; **Kirsten Hargreaves**, Centre for Environmental Health Equity, **Samantha Sarra**, Centre for Environmental Health Equity  
**Tara Zupancic**, The Centre for Environmental Health Equity, Department of Environment and Geography, University of Manitoba

The objectives of this Roundtable were to bring together passionate global leaders and women with lived prison experience working towards justice and advancement for incarcerated women and their children. The global perspectives, insights, wisdom and collaboration that developed have only fuelled participants’ desire to continue research, advocacy and education in this area. The privilege of deeply connecting with women from other cultures, value systems and life experience enriched learning and established a lifelong network of dedicated researchers and advocates in this area.

Roundtable participants came from a variety of backgrounds, including academics from Population and Public Health, a lawyer, a writer, post-secondary lecturers and educators, a Rhodes Scholar, community development, counselling psychology, nursing, social work, medicine, restorative justice practitioner, children’s environmental health, communications and advocacy, among others.

A newly developed international research network holds promise for the future. A short documentary was filmed throughout the Roundtable and there are plans to complete an international feature length documentary focused on the children of parental incarceration. A number of new initiatives arose from the Roundtable, including a new group for children who have a parent in jail in Vancouver, a support group for mothers in prison in Nepal, a healing garden for mothers and children in Kenya, and proposed legislation to help First Nations women and children impacted by incarceration.

Public Events: **“Bonding through Bars: Dialogue on the Realities and Rights of Children with Incarcerated Mothers”**

May 8, 2013, Oakridge Adventist Church, Vancouver

Panelists: Pushpa Basnet, Geoff Cowper, Sharon Content, Debbie Kilroy, Dr. Sharon Mclvor, Dr. Chesa Boudin

DOXA Film Screening (“No Burqas Behind Bars” by Nima Sarvestani) and Panel Discussion

May 10, 2013, VanCity Theatre, Vancouver, BC

Sharon Content, found of Children of Promise New York, speaks at the International Roundtable Bonding Through Bars public event.





Indigenous academics from UBC and around the world opened the Indigenizing the Academy Roundtable in UBC's First Nations Longhouse.

### **“Place, Belonging and Promise: Indigenizing the International Academy”**

May 6–10, 2013

[Watch video.](#)

Principal Investigator: **Dr. Shelly Johnson**,  
School of Social Work, Faculty of Arts, UBC

Early in the peaceful morning hours of May 6, 2013, “Place, Belonging and Promise: Indigenizing the International Academy” began its collective spiritual, ceremonial and academic work on the quiet grounds of the UBC Long House, which is located on the unceded, traditional and occupied ancestral lands of the Musqueam First peoples. The sacred sunrise ceremony, drumming, singing and prayers welcomed Indigenous peoples to UBC and helped ground the five days of Indigenous academic talks.

Indigenous participants represented approximately 52 different First Nations/ Indigenous tribes, and a range of disciplines from Universities and Tribal Institutes in Canada, the USA, Australia and New Zealand.

Throughout the Roundtable, the Indigenous international academic speakers interwove the principles of legal sovereignty, cultural self-determination, activism, rights and reconciliation into their keynotes to address the six core Roundtable themes of community engagement, teaching/learning, research, governance, human resources and Indigenous student success.

Indigenous storytelling as an academic methodology figured prominently as a way to highlight research, and identify challenges and successful approaches for transforming Indigenous education systems and experiences at all levels of the academy.

The Roundtable yielded numerous recommendations and research outcomes, including the dedication of the 2014 edition of the Canadian Journal of





Charles Renfro spoke to a packed audience at Emily Carr University.

Native Education on the theme of Indigenizing the International Academy. On October 2, 2013 a meeting between UBC President Toope and new UBC Indigenous faculty accomplished another recommendation to develop a direct connection to discuss issues of mutual importance. Work is also underway on an edited book arising from the conference. On October 31, 2013, Dr. Johnson and three Native American Indian academic participants from the Roundtable presented the findings at the 2600 member international Council on Social Work Education conference in Dallas, Texas. Work is underway to develop the second international *Indigenizing the International Academy* conference with Indigenous colleagues from Central and South America and the Native Tribal Colleges in the USA and Canada. The planned venue is on the traditional lands of the Seminole people in Florida, USA.

Public Event: **"Dr. Margaret Mutu: Indigenizing the University of Auckland"**  
May 9, 2013, Liu Institute for Global Issues, UBC

### **"Speculative Cities"**

May 7–10, 2013

Principal Investigators: **Professor Scott Watson**, Morris and Helen Belkin Art Gallery, UBC; **Dr. Shelly Rosenblum**, Morris and Helen Belkin Art Gallery, UBC, **Professor Keith Wallace**, Morris and Helen Belkin Art Gallery, UBC

While Vancouver has developed a reputation for examining itself through various critical platforms—anthologies, symposia, civic community consultations—in which urban planners, architects, and cultural analysts have explored the evolving urban and social conditions of this city, rarely have these explorations been located in the context of other cities internationally. Dubai and Panama City share striking similarities with Vancouver: all are important gateways within their specific geographic and economic contexts and all have the reputation of developing innovative, at times controversial, experiments in

urban planning. These “new world cities,” “gateway port cities,” and “terminal cities” have evolved or reinvented themselves through strategies that catalyze shifts from historical economies and civic functions towards other processes of exchange that signal a transition into globalization.

Speculative Cities focused discussion around the complex strata of publics who inhabit such cities. In helping to understand the conditions that have produced various affinities across these urban sites, this Roundtable provided timely new knowledge on global urbanization and mobilities, as well as on the after-effects of late 20th century nationalisms. The objective of Speculative Cities was to present a platform in which Vancouver can both lead and learn from these examples, and its distinct identity within an international context be more clearly articulated.

Public Event: Keynote Address by Architect Charles Renfro - “Charles unscripted”  
May 10, 2013, Emily Carr University of Art and Design, Granville island, Vancouver

### Professor Caryl Phillips

Thursday May 9, 2013, Great Hall, 4th Floor, Law Courts, Vancouver

Professor Phillips studied English Literature at Oxford University. Formerly Henry R. Luce Professor of Migration and Social Order at Columbia University, he is presently Professor of English at Yale University. He is an Honorary Fellow of The Queen's College, Oxford University.

As part of the May 2013 International Research Roundtables, Professor Caryl Phillips, award winning playwright and author, gave a public lecture entitled *Cities By The Water: Post-Colonial History and Participation of Newcomers* that entwined many of the themes from the five Roundtables taking place at that time.

Illustrated by passages from his writing, Professor Phillips examined the cultural legacies of colonialism, and in particular, focus on the historical and cultural connections between Europe, Africa and the Americas. Using this backdrop, he examined the immigrant experience of identity, place and belonging and how they are shaped by the culture and character of the cities and towns that

they create their new lives in. Professor Phillips interwove threads from many of his novels that explore themes of slavery, racism, stereotyping, and cultural and social dislocation, most commonly associated with a migratory experience.

His literary awards include the Martin Luther King Memorial Prize, a Guggenheim Fellowship, a British Council Fellowship, a Lannan Foundation Fellowship, and Britain's oldest literary award, the James Tait Black Memorial Prize, for *Crossing the River*, which was also shortlisted for the 1993 Booker Prize. *A Distant Shore* was longlisted for the 2003 Booker Prize, and won the 2004 Commonwealth Writers Prize. *Dancing in the Dark* won the 2006 PEN/ Beyond the Margins Award.

### “Time and Life in the Universe”

October 21–25, 2013

Principal Investigators: **Dr. Harvey Richer**, Department of Physics & Astronomy, Faculty of Science, UBC; **Dr. Douglas Scott**, Department of Physics & Astronomy, Faculty of Science, UBC

The “Time and Life in the Universe” Roundtable centered on a unique format; something not often done within the field of astrophysics. The Roundtable was structured in two separate, but overlapping events, focused on the themes of “time” and “life”. The main objective was to explore the evolution of the Universe and how it came to establish the conditions appropriate to harbour life. This research exchange was achieved by inviting a group of 30 researchers from different areas, from astro-biology to planetary astronomy to cosmology, which overlap with the main themes.

The group of participants plans to create an ongoing research exchange with several more, smaller meetings being planned for 2014.

Public Event: “The Universe: Its Structure and Its Support of Life” comprised two talks: *“What We Know about the Structure of the Universe”* with speaker **Graca Rocha**; and *“Home Alone: Why Microbial Worlds Might Be Common But Intelligent Civilizations Exceedingly Rare”* with speaker **Pascal Lee**  
October 23, 2013, Earth Sciences Building, UBC





### **“Ocean Acidification: Global Implications for the Marine Environment”**

October 21–25, 2013

Principal Investigator: **Dr. Christopher Harley**, Department of Zoology, UBC

Ocean acidification – the changes in ocean chemistry being driven by the burning of fossil fuels – has been described as global warming’s “evil twin”. Unlike global warming, which has analogs in the recent geologic past, researchers say ocean acidification will soon produce sea-water that is more acidic than it has been for hundreds of millions of years. The rate of change is also unprecedented, and may outpace species’ abilities to adapt. Because of its extraordinary magnitude and global scale, ocean acidification is now believed to be one of the single greatest threats to marine ecosystems.

At present, ecosystem-level ocean acidification projects are being initiated in several habitats and geographic locations. Different groups also use different techniques, all of which have strengths and weaknesses. Although incremental progress is being made, overall progress of the field as a whole is hampered by insufficient communication and synthesis and by the lack of concerted, global-scale efforts towards high-priority research goals. The objectives of this Research Roundtable on ocean acidification was to establish a global research network, to synthesize existing information and approaches to produce a set of general predictions, and to provide a blueprint for testing these key predictions.

The group was able to synthesize what is currently known regarding the ecological implications of ocean acidification, and, in the process, identify any universal patterns and untested assumptions. It also allowed Roundtable participants to set research priorities based on approaches that combine systems and methodologies.

The group intends to publish at least one paper based the group’s synthesis of existing information, and identify and nurture new opportunities for major research advances. In addition, the main paper will target the top-tier scientific journals (Science, Nature); because it will represent a forward-looking conceptual unification and will have an immediate and significant impact of the field. The Roundtable served as a springboard for follow-up projects, including collaborative grant proposals and research papers; thus, the Roundtable both enhanced the value of existing data and served as the impetus for further rapid knowledge development in an extremely high-priority research area.

Public Event: **“Ocean Acidification”**

Speakers: Dr. Chris Harley, Dr. Katharina Fabricius, Dr. Steve Widdicombe, Dr. Kristy Kroeker

October 24, 2013, Beaty Biodiversity Museum Auditorium, UBC



Audience from the Ocean Acidification Roundtable gathered for a reception in the Beaty Biodiversity Museum.





Dr. Peter Reiner, Principle Investigator of the *We Are Our Brains* Roundtable, speaks to the crowd about the relationship between the brain and the self.

### **“We Are Our Brains”**

October 23–25, 2013

Principal Investigator: **Dr. Peter Reiner**, National Core for Neuroethics, Department of Psychiatry, Faculty of Medicine, UBC

The panoply of mental phenomena that define who we are – memories and feelings, desires and thoughts, the decisions that we make and the beliefs that we hold dear – are all mediated by events in the brain. Holding a worldview that situates the brain as the key organ that provides meaning to our lives is a perspective often termed neuroessentialism: the notion that we are our brains, and that when we think of who we are as beings interacting in the world, the we that we think of primarily resides in our brains. We are also our bodies, our genes, our books, and more, but neuroessentialists suggest that these are less central to the concept of we than the we that we think of when we think of our brains. In recent years, the neuroessentialist perspective has moved from its traditional ambit among neuroscientists and philosophers to the larger domain of the public at large, with implications for such diverse fields as art, economics, sociology, and law, to name but a few.

Additionally, participants grappled with the question of how neuroessentialist thinking intersects with evolving perspectives over the biological bases of sexual preferences in addition to considering how neuroessentialist thinking might be perceived in different cultural contexts. A key objective of the Roundtable was to impress upon the participants that ideas gestated in the academy may have real-world impact, and that it is our responsibility as engaged scholars to evaluate their effects with due consideration.

The deliverables from the Roundtable were two-fold. Academics were invited to contribute to an edited volume on the topic of neuroessentialism to be published by the journal *Neuroethics*, and all participants, authors, artists and scholars will be encouraged to impart their deepened appreciation of the field to the public by publishing an article in the popular press. Overall, the Roundtable offered participants an extraordinary opportunity to shape the trajectory of public discourse on this important topic.

Public Event: **“Am I My Brain?”**

Dancer: Sarah Chase, Speakers: Dr. Peter Reiner, Dr. Giovanni Frazzetto, Professor Jennifer Chandler

October 25, 2013, Royal Bank Cinema, Chan Centre for the Performing Arts, UBC

## INTERNATIONAL PROGRAMS

# International Distinguished Visiting Professors

Under the International Distinguished Professor Program, one or more times a year a distinguished senior scholar with a reputation for interdisciplinary engagement spends approximately one month in residence at the Institute. It is expected that this outstanding international scholar will pursue a specific scholarly agenda, participate in Institute programs and events, and organize a specific activity, such as a workshop or public talk, intended to contribute to the intellectual life of the Institute and its affiliated scholars. The program has been primarily, but not exclusively, in collaboration with the Collège de France.



From left to right, Dr. Anne Cheng, Dr. Peter Goddard and Dr. Philippe Descola, Peter Wall Distinguished Visiting Professors.

In 2013, the Institute welcomed Distinguished Visiting Professors **Dr. Anne Cheng**, Chair of Chinese Intellectual History, Collège de France; **Dr. Philippe Descola**, Chair in Anthropology of Nature Collège de France; **Dr. Peter Goddard**, Mathematical Physicist and Professor of Theoretical Physics, School of Natural Sciences, Institute for Advanced Studies, Princeton, and **Dr. Anne-Christine Taylor**, Director of Education and Research, Musée du quai Branly.

The following are keynote presentations given by 2013 Distinguished Visiting Professors during their stay at the Institute.

**Dr. Anne Cheng**, Chair of Chinese Intellectual History, Collège de France  
In Residence: September 12–25, 2013  
UBIAS Conference Presentation, Peter Wall Institute, September 17, 2013  
UBIAS Conference keynote address: *“The French Invention of Sinology as an Academic Discipline”*

Dr. Cheng described the evolution of sinology as an academic genre, and the historical context for the change in perspective among European philosophers from an enthusiasm for Confucian teachings to disenchantment. China was initially viewed as an enlightened society governed by civility and morality, but in the mid-18th century, became characterized as despotic.

Public Talk: “What is Chinese Universalism?”  
September 24, 2013, Asian Centre, UBC

Dr. Cheng’s public talk examined the ongoing evolution of Chinese Universalism. The advent of the universality of human rights is generally seen as a pure product of the Enlightenment in Europe, which itself represented the “triumph of Reason”, whereas Chinese universality is inseparable from a certain idea of civilization, with a centre shining upon surrounding regions, and upon which the reality of imperial power superimposed itself. Each time China itself has been encroached upon, invaded or occupied by “barbarians”, it has always assumed that the latter would end up being transformed, and adopt Chinese civilization. Imperial China thus depicted itself not only as the centre of the world but also as a sort of “civilization-world”, and it was not until the second half of the 19th century, under attack from Western powers, that it had to consider itself as being a nation amongst others. It is the same universality of “China as a world” that, after having been jeopardized by colonial powers at the end of the 19th century, is once again becoming a type of nostalgic self-representation and a unifying factor in the predominant ideology of a “Greater China” and in the revival of the ancient notion of “All under Heaven”, and which is now being opposed as a kind of “Chinese universality” against the universality of human rights.

**Dr. Peter Goddard**, Mathematical Physicist and Professor of Theoretical Physics, School of Natural Sciences, Institute for Advanced Studies, Princeton  
In Residence: September 5–26, 2013

UBIAS Conference Presentation, Peter Wall Institute, September 18, 2013  
“Knowledge and Interdisciplinarity in the Mathematical and Physical Sciences”

Dr. Goddard discussed how the laws of nature are written in mathematics, and how mathematical beauty is found in the formation of physical laws.

**Dr. Philippe Descola**, Chair in Anthropology of Nature, Collège de France  
In Residence: August 31–September 29, 2013  
UBIAS Conference Presentation, Peter Wall Institute, September 19, 2013  
Keynote Address: “[What is anthropological knowledge?](#)”

Dr. Descola spoke on the inherent interdisciplinary nature of the study of anthropology and how it is an extension of the natural sciences based on observation and facts.

Public Event: “[Approaches to the Anthropocene – A Conversation with Philippe Descola and Bruno Latour](#)”  
September 25, 2013, Museum of Anthropology, UBC

Dr. Philippe Descola and Dr. Bruno Latour are two of France’s most prominent intellectuals, and both have redefined their respective fields of expertise by considering the place of human agency – and non-human actors – in the construction of the modern world. In this conversation, Dr. Latour and Dr. Descola debated the idea of the anthropocene, a new geological era in which humans have become the principal agents for the transformation of our planetary systems: from small-scale consumption of natural resources to large-scale human-induced climate changes. Drawing on the fields of anthropology, science studies, and other allied disciplines, these two thinkers discussed their views on how intervention in the natural world has not only transformed planetary ecosystems, but also the very ideas and models we use to think about the planet as a whole. The event was sponsored by the Peter Wall Institute for Advanced Studies, UBC Museum of Anthropology and the French Consulate Vancouver.

Read more about Dr. Descola’s research in [The Wall Papers](#).

**Dr. Anne-Christine Taylor**, Director of Education and Research, Musée du quai Branly, Paris and MOA Lévi-Strauss Visiting Fellow at UBC  
In Residence: August 31– September 29, 2013

Public Talks: “Iconographic and Verbal Traditions in Amazonian Cultures”  
Claude Lévi-Strauss Lecture  
September 17, 2013, MOA, UBC

“Are Ethnographic Museums Still Viable? Identity Politics in a French National Museum”  
September 24, 2013 Coach House, Green College, UBC

Director of Research at the CNRS, Dr. Taylor has been seconded to the Musée du quai Branly since February 2005, where she is Director of the Education and Research Department. A specialist in Indigenous Amazonian cultures, Dr. Taylor’s most recent research has been on perceptions and experience of history in Indian societies, and on Indigenous conceptions of psychic processes and the experience of the self. After studying sociology and ethnology at the Université de Paris-V and at Oxford University, Dr. Taylor produced her doctoral thesis under the supervision of C. Lévi-Strauss. She undertook long-term field research among the Achuar Indians of Ecuadorian Amazonia between 1978 and 1981, joined the CNRS in 1983, and headed the Amerindian Ethnological Research Team (UPR 324) from 1995 to 2005. From 1996 to 2000, she was also project leader for constitution of the Centre A.G. Haudricourt, a group of Social Sciences laboratories on the CNRS campus at Villejuif. She has co-authored three works and published over 60 articles and contributions to collective works.



French Anthropologists, Dr. Philippe Descola and Dr. Bruno Latour debate the concept of the "anthropocene" at UBC's Museum of Anthropology, moderated by Dr. Neil Safier.

## INTERNATIONAL PROGRAMS

# International Partnerships

A current program of the Institute is to create scholarly partnerships among the international network of Institutes of Advanced Study to support research of lasting value and impact. The Institute has, since the fall of 2008, concluded memoranda of understanding for faculty exchanges and colloquia with the forerunner of all institutes for advanced study, the Collège de France in Paris, established in 1530, and with one of the newest, the Technical University of Munich–Institute for Advanced Study, founded in 2005. We have also partnered with South Africa’s premier institute, the Stellenbosch Institute for Advanced Study.



## Wall Colloquia Abroad

In recognition of its commitment to research exchanges and collaboration with its international partners, the Institute has a special program to co-sponsor and fund colloquia headed by Wall Institute Associates at its partner institutes. Holding meetings in other parts of the world raises the research profile of the Institute, enhances the intellectual value of the Institute's international partnerships and attracts key international researchers who might not otherwise be able to participate.

### “Zoonosis and Emergence of New Infectious Diseases: Biology Meets Anthropology”

Collège de France, Paris France  
June 10–11, 2013

Principal Investigator: **Dr. B. Brett Finlay**, Peter Wall Distinguished Professor, Professor Michael Smith Laboratories and in the Departments of Biochemistry & Molecular Biology and Microbiology & Immunology, UBC  
Co-organizers : **Dr. Philippe Sansonetti**, Professor and Chair, Microbiology & Infectious Disease, Collège de France, and Professor, Pasteur Institute, Paris and Wall Distinguished Visiting Professor, June, 2011 and **Dr. Frédéric Keck**, Laboratoire d'anthropologie sociale, CNRS, Paris, France

This international colloquium focused on the interface between known emerging infectious diseases and anthropology studies. The main topics included defining potential animal reservoirs, how pathogens move between species and generally how a species barrier actually exists and is broken to yield new infectious diseases. In addition, transmission mechanisms and potential ways of controlling such infections were examined. Participants included experts from a broad spectrum of disciplines comprising historians, parasitologists, virologists, evolutionary biologists, infectious disease experts, epidemiologists, bacteriologists, anthropologists, economists, water experts, and legal experts.

An exciting outcome of the Wall Colloquium Abroad was a submission to the CIFAR Global Call for Ideas on the Role of Microbiota in Human Evolution and Development. This application ‘Microbes and Humans’ is one of seven finalists, shortlisted from a field of 280 applications, and a meeting to plan the full application was held in January 2014.

In addition to the Peter Wall Institute for Advanced Studies and the Collège de France, the Colloquium was also supported by the Fondation Hugot, LabEx Integrative Biology of Emerging Infectious Diseases (Institut Pasteur), and the Axa Research Fund.

### “Coherent and Incoherent Wave Packet Dynamics”

Institute for Molecular Sciences, Okazaki, Japan  
October 30–November 2, 2013

Principal Investigator: **Dr. Moshe Shapiro** (deceased 2013), Professor, Department of Chemistry and Department of Physics, UBC  
Co-organizer: **Dr. Yasuhiro Ohshima**, Professor and **Dr. Kenji Ohmori**, Professor, both from the Institute for Molecular Science, National Institutes of Natural Sciences, Okazaki, Japan

The topics discussed at the *Coherent and Incoherent Wave Packet Dynamics* colloquium are at the forefront of a number of rapidly expanding interdisciplinary areas of research, with the number of groups interested in applying coherent control to such diverse areas of research increasing rapidly from year to year. Of particular interest was the implementation of recent technological breakthroughs in molecular and laser science, which offer new ways of creating and manipulating molecular processes using quantum effects. The Wall Colloquium Abroad yielded a coherent control network across a variety of disciplines ranging from atomic physics to biosciences. It has also laid the foundation for a strong and vibrant hub of activity in coherent control across the Pacific between UBC and Japanese scientists, and has made the public more aware of the tremendous potentials of coherent control and UBC's leadership in this field.

The Colloquium has demonstrated a possibility of new collaborations of two different disciplines such as ultracold physics and ultrafast coherent control, quantum optics and photosynthesis, and quantum information processing and molecular science. It has also promoted collaborations in each discipline among top researchers of Canada, USA, Europe, Israel, and Japan. The Wall Colloquium Abroad was co-sponsored by the Institute for Molecular Science, National Institutes of Natural Sciences, Japan.

### **“African Storybook Project: Research for Social Change Colloquium”**

Stellenbosch Institute for Advanced Study, Stellenbosch, South Africa

[www.africanstorybookproject.pwias.ubc.ca](http://www.africanstorybookproject.pwias.ubc.ca)

October 17–19, 2013

Principal Investigator: **Dr. Bonny Norton**, Professor, Faculty of Education, UBC

The goal of the African Storybook Project, an initiative of the South African Institute for Distance Education (Saide), is to draw on advances in digital technology to promote the literacy of children in Sub-Saharan Africa. The focus of the project is the development of mother tongue literacy within a multilingual framework, which also helps children transition to the country's official language (e.g. English/French). Open access digital stories, in multiple languages, are currently being developed for the three pilot countries South Africa, Uganda, and Kenya, and will be uploaded on a comprehensive website run by Saide. The purpose of this Wall Colloquium Abroad was to develop a collaborative research framework with Saide, which would determine how research can advance the goals of the African Storybook Project. The most important outcome of the Colloquium was the establishment of an African Storybook Research Network, led by a Research Advisory Committee with participants from the University of Cape Town, Makerere University, Oxford University and UBC. A video on the African Storybook Project is available on [YouTube](#).

### **Michel Foucault and the Humanities in the 21st Century**

June 12–13, 2014

Principal Investigator: **Dr. Catherine Soussloff**, Department of Art History, Visual Art and Theory, UBC; Peter Wall Distinguished Scholar in Residence, 2013.

The Institute will hold the Colloquium Abroad at the Institut d'Études Avancées, Paris, France.

### **Virgile traduit**

June 16–17, 2014

Principal Investigator: **Dr. Susanna Braund**, Department of Classical, Near Eastern and Religious Studies, UBC.

The Institute will hold the Colloquium Abroad at the Institut d'Études Avancées, Paris, France.



## INTERNATIONAL PROGRAMS

# Major Thematic Grant

The Major Thematic Grant (MTG) provides funding of up to \$500,000 over a three-to-five year period to interdisciplinary teams of UBC and external scholars to research a new area. It is expected that UBC will become a centre for research on the topic.





### **HIV-Exposed but Uninfected (HEU) Infants: Exploration of the Causes of Enhanced Morbidity and Mortality (2011-2014)**

Principal Investigator: **David P. Speert**,  
Pediatrics, UBC

Co-Investigators: **Dr. Tobias Kollmann**, Pediatrics, UBC; **Dr. John Forbes**, Pediatrics, UBC; **Dr. Ron Rensink**, Psychology, UBC; **Dr. David Scheifele**, Pediatrics, UBC; **Dr. John Dill**, Electrical and Computer Engineering, UBC; **Dr. Hélène Côté**, Pathology and Lab Medicine, UBC; **Dr. Brian Fisher**, Interactive Arts and Technology and Cognitive Science, UBC; **Dr. Julie Bettinger**, Pediatrics, UBC; **Dr. Julio Montaner**, Medicine, UBC; **Dr. Deborah Money**, Obstetrics and Gynecology, UBC, Gareth Mercer (UBC MD/PhD Candidate).

External Team Members:

**Dr. Wolfgang Preiser**, Pathology, Stellenbosch University; **Dr. Monika Esser**, Immunology Unit, Tygerberg Hospital; **Dr. Colleen Wright**, Pathology, Stellenbosch University; **Dr. Mariana Kruger**, Pediatrics, Stellenbosch University; **Amy Slogrove** (PhD candidate), Tygerberg Children's Hospital, Tygerberg, South Africa.

This MTG is supporting research over three years (2011-2014) to identify the immunological explanation for the impaired defense against infection of HEU babies. Highly effective strategies have been introduced to prevent the spread of HIV infection from mothers to their babies; of the 1.5 million babies born annually to HIV-infected mothers, the vast majority are not themselves infected. To achieve the ambitious goal of identifying the immunological explanation for the impaired defense against infection of HEU babies, the team of researchers from UBC and the Health Sciences Faculty and Tygerberg Hospital, University of Stellenbosch, South Africa has enrolled 265 mother-infant pairs and 100 fathers in 2013. The team is studying the innate (present from birth) and the adaptive (learned) immune system of all babies at several time points from two weeks of age to twenty-four months. These studies are guided by the results of a small pilot study conducted by several members of the Wall MTG team in 2009 and 2010 in which 60 babies were investigated.

Analysis of the primary outcome will commence in May 2014. Presentation and publication of the primary outcome results will occur in the second half

of 2014. Analysis of the Fathers' sub-study data will also commence in May 2014, with the findings to be published and presented in late 2014 and early 2015. Planning is underway for a community forum to be held in Kraaifontein, South Africa, in the second half of 2014. At this forum, results from the Fathers' sub-study of the MIHS will be disseminated to research participants and community stakeholders and their interpretations of the findings elicited.

Dr. Julie Bettinger travelled to the study site in Cape Town, South Africa in November 2013 and engaged in productive discussions with the study team as well as Stellenbosch University collaborators on issues related to analysis and dissemination of study results in 2014. Dr. Bettinger also met with and had fruitful discussions with Professor Jimmy Volmink, the Dean of the Faculty of Medicine and Health Sciences, Stellenbosch University and Professor Marianna Kruger, Head of the Department of Pediatrics & Child Health, Stellenbosch University.

Collaboration with Dr. P. Springer from Stellenbosch University has resulted in the addition of a neurodevelopmental sub-study with infants' developmental progress being evaluated at one year of age to determine whether there is a difference in early developmental outcomes between HIV-exposed uninfected and HIV-unexposed infants.

In addition, a new collaboration was initiated among UBC, Harvard, the University of Sydney and the University of Venda, Limpopo Province, South Africa. This collaboration was a direct outcome of the work being done under the MTG. The enquiry for the proposed study was to focus on the causes of stunting in infants in the Venda region and strategies to influence healthier feeding practices in the first year of life.

Amy Slogrove was awarded a South African National Health Scholarship to continue her PhD work based on the Mother Infant Health Study. Gareth Mercer was awarded a Michael Smith Foreign Study Supplement from the Canadian Institutes of Health Research to support his field work in Cape Town during this year. Gareth Mercer and Dr. Julie Bettinger successfully competed for a Dissemination Grant from the Gender and Health Institute at the Canadian Institutes of Health Research in the February 2013 competition. Funds from this grant will be used to host a community forum in the second half of 2014, during which time the findings of the Fathers' sub-study will be presented to study participants, representatives from South African gender and health NGOs, and selected researchers.



### Nanomaterials for Alternative Energy Applications (2012-2016)

Principal Investigator: **Dr. Michael Wolf**, Chemistry, UBC

Co-investigators: **Dr. Milind Kandlikar**, Liu Institute for Global Issues, UBC; **Dr. John Madden**, Electrical & Computer Engineering, UBC; **Dr. Mark MacLachlan**, Department of Chemistry, UBC; **Dr. Peyman Servati**, Electrical & Computer Engineering.

External Collaborators: **Dr. Ibrahim Aljaafari**, King Faisal University, Saudi Arabia; **Dr. Chris Bardeen**, University of California, Riverside; **Dr. Ray Baughman**, Professor, Nanotech Institute, University of Texas, Dallas; **Dr. Tom Beatty**, Department of Microbiology and Immunology, UBC; **Dr. Francesco Lelj**, Professor, Dipartimento di Chimica, Università degli Studi della Basilicata in Potenza, Italy; **Dr. Fred MacDonnell**, Professor, University of Texas, Arlington; **Dr. David Officer**, University of Wollongong and Australian Centre for Electromaterials Science; **Dr. Jun Shen**, Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Science; **Dr. Neil Woodbury**, Arizona State University; **Dr. Katie Zhong**, Washington State University.

The goals of this MTG are to discover new nanomaterials to harvest and use solar energy more efficiently and at lower cost, to use these new nanomaterials in devices and evaluate their performance, to study the societal benefits and risks of nanotechnology innovations; and through a public lecture series, to give scientists and applied scientists an understanding of the underlying economic, legal and ethical issues surrounding the broad implementation of these new materials and devices.

This year, team members published 13 papers relevant to the themes of the MTG. The interdisciplinary public lecture series will begin in February 2014 and several lectures are planned for next academic year.

In 2014, Dr. Servati will research tandem flexible solar cells, thin silicon solar cells with improved optical absorption, and flexible thin Li-ion batteries for development. Dr. Madden is hoping to demonstrate effective battery and solar cell combinations. If achieved, it will help overcome a serious obstacle to solar power, namely that storage is needed to properly account for fluctuations in

solar intensity at the earth's surface. Dr. MacLachlan will construct several new metal complexes, and elucidate their light absorbing behaviour in preparation for incorporating the molecules into dye sensitized solar cells. Dr. Wolf will develop new sulfur-containing conjugated polymers, and in collaboration with Dr. Servati and Dr. Madden, will build solar cells incorporating these as the light absorbing element.

Numerous presentations have been given on this research at UBC and internationally at the MRS meeting in San Francisco; the World Congress of Biomimetics, Artificial Muscle and Nano-Bio, Jeju Island, Korea; the Australian Centre of Excellence for Electromaterials Science, University of Wollongong, Australia, and the 246th National Meeting of the American Chemical Society, Indianapolis, Indiana.

Several new collaborations have arisen as a result of this research. Dr. Servati is collaborating with researchers at Stanford University on novel solar nanomaterials. Dr. Madden and Dr. Beatty are collaborating with Dr. Neil Woodbury, Arizona State University on Genetic Modification of Photosynthetic Reaction Centres for use in Solar Cells. Dr. MacLachlan is collaborating with Professor Francesco Lelj (Potenza, Italy) to undertake calculations of some of the target molecules.

Ongoing collaborations include Dr. Wolf's work with Dr. Chris Bardeen on new materials for multi-electron generation for application in new types of solar cells. Dr. Madden is collaborating with Dr. David on porphyrin-tagged fullerenes for uses as dyes in solar cells. Dr. Servati is working with Dr. Ibrahim Aljaafari of King Faisal University, Saudi Arabia for development of low cost flexible solar films and fibres. He is also working with former Peter Wall International Visiting Research Scholar, Dr. Katie Zhong, Washington State University, on flexible nano solar-battery, and with Dr. Jun Shen, Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Science on nanomaterials for solar cells.

There are several major initiatives underway that were leveraged in part by the MTG. A multi-university CFI grant "The Prometheus Project: BC's Multi-Institution Advanced Materials Science and Engineering Initiative" is getting underway. This project, with Dr. Servati and Dr. Wolf as co-investigators, will bring over \$5 million of new infrastructure to UBC, focused on characterization of nanomaterials for alternative energy. A new CRC Tier II faculty position in solar energy was created by UBC in 2012, and Dr. Curtis Berlinguette took

up this position in July 2013. Dr. Berlinguette is one of the top researchers in the world working on dye-sensitized solar cells, and has already started working closely with the MTG team. Dr. Servati and Dr. Madden, along with Dr. Frank Ko (Materials Engineering, UBC), were successful in obtaining a new strategic grant from NSERC focused on solar fabrics. Work has also started on collaborations between the science and engineering team members and Kandlikar to investigate the societal benefits and risks of nanotechnology innovations, with a new postdoctoral fellow hired to spearhead this effort. The first of two international workshops associated with the MTG will be held in May, 2014 with a number of prestigious international participants and speakers coming to the UBC campus to interact with the UBC team.

Major Thematic Grant Talks:

### **Sensorimotor Computation Seminar Series**

#### **“Planning and Control of Human Object Manipulation Tasks”**

March 21, 2013

Department of Computer Science, UBC

Peter Wall Institute MTG Seminar Series on Sensorimotor Computation

(Dr. Dinesh Pai, MTG 2008-2011)

**Professor Randy Flanagan**, Department of Psychology, Queen's University



Dr. Dinesh Pai's research, funded through the Major Thematic Grant, focuses on sensorimotor computation.

## French Lecture Series



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Consulat général de France  
à Vancouver

The Consulate General of France in Vancouver has partnered with the Peter Wall Institute for Advanced Studies at the University of British Columbia to bring leading French scholars to UBC in a program titled French Scholars Series: English Lectures by Notable French Academics / *Cycle de conférenciers français à l'université de Colombie-Britannique*. The program invites UBC scholars to nominate academics from France, from diverse disciplines and research backgrounds, to participate in a dialogue with their Canadian counterparts. The visits include one public lecture and other discussions with UBC scholars.

Dr. Judy Illes, National Core for Neuroethics, with Dr. Hervé Chneiweiss, visiting French Scholar. Dr. Chneiweiss gave a lecture on ethics and neurodegenerative diseases.



## INTERNATIONAL PROGRAMS

# Exploratory Workshops

The Peter Wall Institute Exploratory Workshop program supports meetings of researchers from various disciplines at UBC, along with distinguished external experts. Outcomes may include a special issue of a journal, an edited volume or an application for a major research program. Four workshops were held in 2013.





Dr. Kendall Ho, Principal Investigator, Social Media and Health Exploratory Workshop, with Gillian Shaw, digital life writer at the Vancouver Sun. Shaw moderated the event "Social Media: The Good, the Bad and the Possible".

### **Harnessing the Social Web - Communities for Health and Wellness**

February 3–5, 2013

**Dr. Kendall Ho**, Director, UBC eHealth Strategy Office; Professor, Department of Emergency Medicine, Faculty of Medicine, UBC

Social media are powerful tools to bring together community members who share common interests and goals. Online virtual communities formed through social media to support health and wellness can be beneficial to patients, caregivers, and health professionals; however, the power of such groups may be harmful if inaccurate or misleading health information is disseminated. Studying the dynamics of online communities for health and wellness promotion is both important and timely. This workshop brought together a multi-disciplinary group of UBC and international researchers and graduate students from sociology, library science, health science, business management, computer science, engineering, education, and media to explore applications of social media to improve health and wellness.

#### **Workshop public events**

##### **"Social Media: The Good, the Bad and the Possible"**

Moderated by the Vancouver Sun's Digital Technology Reporter **Gillian Shaw**, February 2013. A webcast of the public event is available [online](#).

### **Artefacts of Encounter: Cross-Cultural Exchange in Historical and Interdisciplinary Perspective**

April 11–14, 2013

**Dr. Neil Safier**, Associate Professor, Department of History, Faculty of Arts UBC

The exploratory workshop brought together ethnographers, historical anthropologists, archaeologists, art historians, and historians of science to discuss the implications of recent theoretical developments in anthropology and history for understanding what has traditionally been understood as cross-cultural contact. Focusing on the Pacific and South America, participants compared methodologies currently being debated within their different regional and disciplinary specializations related to the role of "artefacts," broadly conceived, in exchanges between different peoples across space and time. The Museum of Anthropology (MOA) served as an ideal venue; participants were surrounded by precisely the kinds of objects that were being discussed. Texts, images and artefacts of the kind found at MOA, as well as archives and cultural centres across Canada, the Pacific and indeed the world, were debated both as objects and as agents of complex processes of socio-cultural and historical transformation. Mediation was one central way that scholars and Indigenous activists approached these artifacts, but also as instantiations of other ways of being. Participants also spent time discussing the significance that collections have for Indigenous communities and scholars, including the place of physical and "virtual" repatriation. The presence and active participation of members of Indigenous communities from New Zealand and from Musqueam contributed greatly to a broader sense of collaboration and exchange. An article on the workshop entitled "Artefacts of Encounter" was published in the fall 2013 issue of *The Wall Papers*.

#### **Workshop public events**

##### **"Water, Power and People in New Zealand"**

**Dame Anne Salmond**

April 11, 2013

##### **"The Animist's Mask"**

**Dr. Carlos Fausto**, Museu Nacional/Federal University of Rio de Janeiro

April 12, 2013

##### **"The Paddle or the Bridge?"**

**Benoît de l'Estoile**, École des Hautes Études en Sciences Sociales/CNRS

April 13, 2013

## Cooperation in Humans

June 6–8, 2013

**Dr. Michael Doebeli**, Professor, Department of Zoology and Department of Mathematics, UBC; **Professor Michelle LeBaron**, Faculty of Law, UBC

Cooperation is a fundamental feature of all biological systems and is thought to be at the root of all major transitions in the history of life on earth. For example, the formation of the first cells through integration of molecular pathways, the evolution of multicellular organisms from single-celled ancestors, and the evolution of complex societies are all based on cooperation. Humans have formed the most complicated societies, and cooperation is at the very basis of this complexity: without widespread cooperation, large-scale human societies could not exist. But every form of cooperation faces the fundamental dilemma of cheating. In classical evolution, the Darwinian problem of cooperation is that defectors who reap the benefits but do not pay the costs of cooperation appear to have a fitness advantage. A similar phenomenon occurs at the cultural level in human societies, and every human being knows the temptation to defect in many different circumstances. Because cooperation is of paramount importance for the long-term sustainability of human societies (in terms of nutrition, energy consumption, climate change, wars, etc.), it is therefore of central importance to understand the mechanisms, processes and social structures that generate and maintain cooperation among humans.

### Workshop public event

#### “The Puzzles of Human Cooperation”

**Dr. Robert Boyd**, School of Human Evolution and Social Change, Arizona State University  
June 6, 2013

## Deliberations on the Ethical Use of Antipsychotic Medications in Children

September 19–20, 2013

**Dr. Judy Illes**, Canada Research Chair in Neuroethics, Professor, Department of Neurology, UBC; **Dr. Nina Di Pietro**, Senior Research Fellow, National Core for Neuroethics, UBC

Prescriptions for second generation antipsychotic drugs (SGA) to Canadian children and adolescents with mental health disorders have skyrocketed in the past ten years. From 2005 to 2009, their use to treat a variety of mental health disorders, including attention deficit hyperactivity disorder, conduct disorder, and mood disorders increased by 114 per cent. Currently, over 6000 children in the province of BC alone are believed to be taking antipsychotic medications. Despite the rapid growth rate, none of these medications have been adequately studied in children for safety or efficacy, and none have been approved by Health Canada for use in this population. This workshop is designed to bring together leading UBC and international experts to examine the ethical controversies surrounding recent increases in the off-label use of antipsychotic medications to treat mental health disorders in Canadian children. The team invited clinicians, researchers, ethicists, and advocates from a variety of disciplinary backgrounds to identify ethical concerns, gaps in knowledge, and then strategize on how to move forward to address challenges.

### Workshop public event

#### Drug Harm in Children: How Can we Work Together to Prevent Adverse Drug Reactions?

**Dr. Bruce Carleton**, Senior Clinician Scientist, Child and Family Research Institute (CFRI) Professor, Department of Pediatrics UBC; Director of Pharmacological Outcomes Programme, BC Children's Hospital  
September 19, 2013

#### Stakeholder perspectives & panel discussion (parents, clinicians, ethicists, & researchers)

Facilitated by **Dr. Judy Illes**, Professor of Neurology, Canada Research Chair in Neuroethics, National Core for Neuroethics, Division of Neurology, Faculty of Medicine, UBC  
September 19, 2013



## NATIONAL PROGRAMS

# Distinguished Professor

The Peter Wall Distinguished Professor is a unique appointment at UBC directed at attracting or retaining a world-class scholar who will have a major impact on broad areas of research. As an endowed chair, it provides substantial salary support. For scholars appointed after 2010, the salary support is for a five-year term, renewable once. This distinguished professorship marked the first program of the Institute. It was established in 1994, originally held by Dr. Raphael Amit, Sauder School of Business, and the late Dr. Michael Smith, Biochemistry and Molecular Biology, and Nobel Laureate in Chemistry.





Dr. Brett Finlay

## Brett Finlay

Dr. Brett Finlay, FRSC, OC, OBC, holds appointments at the Michael Smith Laboratories and in the Departments of Biochemistry & Molecular Biology and Microbiology & Immunology at UBC. The University recruited Dr. Finlay as an Assistant Professor in 1989 and he was appointed the Peter Wall Distinguished Professor in July 2002.

Dr. Finlay's areas of research interest and accomplishment include host-parasite interactions of pathogenic bacteria, especially enteric bacteria that cause diarrhea and other infectious diseases. Research in his lab is focused on understanding bacterial pathogenesis from the perspective of the pathogen, the host, and more recently, the microbiota. Current projects include "Salmonella as a model intracellular pathogen" and "Enteropathogenic and enterohemorrhagic E.coli". It was a strain of E.coli that was responsible for the deaths of six people and the illness of thousands in Walkerton, Ontario in 2000, when the area's drinking water supply became contaminated. Dr. Finlay's research on how this strain of E. coli attaches to intestinal cells led to the development of a vaccine for cattle that will reduce the threat of future outbreaks. The bovine E.coli vaccine that he developed is being commercialized.

Under the memoranda of understanding with our Partner Institute, the Collège de France, Dr. Finlay was appointed a Chair d'État Collège de France in May, 2011. While at the Collège de France he also co-directed the Wall Colloquium Abroad, [Commensal Microbiota: From Homeostasis to Disease](#).

Following on his appointment as Chair d'État Collège, he and his counterpart at the Collège, Professor Philippe Sansonetti co-organized their second Wall Colloquium Abroad entitled "Zoonosis and the Emergence of New Infectious Diseases: Biology Meets anthropology", held June 11-12, 2013 at the Collège in Paris.

Dr. Finlay delivered the [spring 2013 Wall Exchange](#) lecture entitled "[Bugs R Us: The Role of Microbes in Health, Disease and Society](#)" and recently co-authored a paper for the journal Cell entitled "NLRP6 inflammasome regulates the colonic host-microbial interface by orchestrating goblet cell mucus secretion".

Dr. Finlay's research is featured in this short [Wall Reports video](#).



### Derek Gregory

Dr. Derek Gregory, FRSC, FBA, Dr. h.c. (Roskilde), Dr. h.c. (Heidelberg). Dr. Gregory is a Faculty member of the Department of Geography at UBC, which recruited him as a full Professor in 1989. The University appointed him Peter Wall Distinguished Professor 1 July 2011.

Dr. Gregory trained as a historical geographer at the University of Cambridge. One year after his BA,

he was appointed University Assistant Lecturer in Geography and elected a Fellow of Sidney Sussex College. Over the next 16 years, his research focused on the historical geography of industrialization and on the relations between social theory and human geography, using each program of research to inform and advance the other. He focused on processes of historical and geographical change – on periods of crisis and transformation – and explored a range of critical theories that showed how place, space, and landscape have been involved in the operation and outcome of social processes.

Dr. Gregory's move to Vancouver coincided with a major change in research direction. His interest in social theory continued – indexed by his involvement with the interdisciplinary journal *Society & Space* and his co-editorship of the *Dictionary of Human Geography* over five editions – but it was now reinforced by a growing interest in postcolonial critique. He outlined his ideas in *Geographical Imaginations* (1989), and put them to work in an exploration of cultures of travel and travel writing.

This work on travel and travel writing had the liveliest of contemporary implications, but it was interrupted by the terrorist attacks on the World Trade Center and the Pentagon on 11 September 2001. These events brought the contemporary resonances of his work to the fore, and the focus of his research shifted to the present. Drawing on his training as a historical geographer and his sense of the renewed power of Orientalism, Dr. Gregory traced the long history of British and American involvements in the “Middle East,” and showed how they affected the cultural, political, and military responses to 9/11. *The*

*Colonial Present: Afghanistan, Palestine, Iraq* (2004) showed how war quite literally takes place, and described in detail the violent ‘taking of places’ not only in Afghanistan and Iraq, but in occupied Palestine too. The study wired together different places around the world, and showed how the conduct of war connects the abstractions of geopolitics – the pronouncements of politicians, the strategies of generals – to the lives and deaths of countless thousands of ordinary men and women.

This project also marked Dr. Gregory's determination to bring his work to audiences beyond the academy through his writing and through public lectures around the world (including the Mumbai Festival, the Brussels Tribunal, and the Miliband Lecture in London). His new book, *The Everywhere War* (2011) shows how the conduct of war is shaped by the spaces through which it is conducted; ranging from the global war prison at Guantanamo Bay through counterinsurgency in Baghdad and the drone wars in Afghanistan/Pakistan to other ‘small wars’ fought in the shadows of 9/11 in Africa, Asia, and the Americas; it is a major interrogation of the nature of late modern war.

His new research project, *Killing Space*, is a critical study of the techno-cultural and political dimensions of air war. It focuses on three major campaigns: the combined bombing offensive against Germany in the Second World War, America's air wars over Indochina, and the present use of UAV in Afghanistan/Pakistan, Somalia, Yemen, and elsewhere. It pays particular attention to the changing ways in which cities (and eventually people) have been visualized as targets within what is now called the ‘kill-chain,’ and to the different ways in which the media have represented and reported bombing to different publics.

Dr. Gregory's honours include honorary degrees from one of Europe's youngest (Roskilde) and oldest (Heidelberg) universities, elections to the Royal Society of Canada and the British Academy, the Founder's Medal of the Royal Geographical Society, and, most recently, the invitation to present the British Academy's Annual Lecture in London in 2012. His distinctions also include a UBC Killam Research Prize, and in recognition of his undergraduate teaching and graduate supervision, both a UBC Killam Teaching Prize and a UBC Killam Prize for Graduate Mentoring. His former doctoral students, twenty-seven to date, have moved into positions of influence among the world's top universities.

For details on Dr. Gregory's current work, please visit his blog [Geographical Imaginations](#).





"I Hear You Say", commissioned by the Institute, is an installation that translates sound waves into furniture. Part-trash, the piece is made from post-consumer recycled EPS with a hard coating inviting visitors to recline on the installation and converse while contemplating English Bay and the Coast Mountains beyond. Designed by Amber Frid-Jimenez & Professor Joe Dahmen, Peter Wall Faculty Associate.

## NATIONAL PROGRAMS

# Distinguished Scholars in Residence

Up to seven one-year appointments of outstanding senior UBC scholars are made each year. Scholars take up research offices at the Institute; among other activities at the Institute, they present a talk on their research, participate in a two-day research retreat and meet together on a weekly basis.

Seven scholars took up their awards in 2013: **Dr. Christian Naus**, Professor, Cellular & Physiological Sciences; **Dr. Jamie Peck**, Professor, Geography; **Dr. C.W. Marshall**, Professor, Classical, Near Eastern and Religious Studies; **Professor Michelle LeBaron**, Professor, Law; **Dr. Catherine Soussloff**, Professor, Art History, Visual Art & Theory; **Dr. Kenneth Craig**, Emeritus Professor, Psychology; **Dr. Bonny Norton**, Professor, Language and Literacy Education.





**Dr. Kenneth Craig**, Professor, Psychology, UBC

Dr. Kenneth Craig is Professor Emeritus of Psychology and Editor-in-Chief of Pain Research & Management. His research has focused on understanding pain experience and expression and related social parameters of pain management, including formative impacts of family and ethnocultural environments, and the challenges of pain assessment in infants, young children and people with intellectual disabilities, brain damage, dementia and developmental disorders. It led him to focus on nonverbal communication, facial expression in particular, its role in clinical and research measures and the difficulties and biases manifest when health care professionals and others attempt to recognize, understand and control pain.

Dr. Craig's awards have included status as a Canadian Institute for Health Research (CIHR) Senior Investigator, the Canada Council I. W. Killam Research Fellowship, the Canadian Pain Society Distinguished Career Award, the Canadian Psychological Association Donald O. Hebb Award for Distinguished Contributions to Psychology as a Science and the American Pain Society Jeffrey Lawson Award for Advocacy in Children's Pain Relief. He has served as President of the Canadian Pain Society and the Canadian Psychological Association and member of the Governing Council of the International Association for the Study of Pain.

At the Institute, Dr. Craig planned workshops in Paris and Vancouver to bring together scholars from the humanities, social sciences and neurosciences to build a multidisciplinary formulation of the remarkably complex phenomenon of human pain and suffering. In addition, he spent time working on a National Institutes of Health (NIH) application that employs computer vision, pattern recognition and machine learning to assess clinical pain in children commanded his attention. Dr. Craig's UBC Pain Lab website is available at: <http://painlab.psych.ubc.ca/>



**Michelle LeBaron**, Professor, Law, UBC

Professor Michelle LeBaron is an internationally renowned conflict transformation scholar/practitioner in UBC Law who has done seminal work in many types of conflicts including intercultural, international, family, organizational and commercial. Themes of creativity, culture and interdisciplinarity animate her work. Over the past ten years, Michelle has brought artists and scholars from multiple disciplines into collaboration with community members in exploring how intractable conflict can be addressed using the arts. Her current research/practice project, *Dancing at the Crossroads*, explores dance and movement as resources for addressing conflict across social divides. She serves on the International Academic Advisory Committee of the Peter Wall Institute for Advanced Studies, is a sought-after keynote speaker and contributes editorial assistance to several refereed journals.

Professor LeBaron's publications include several monographs and books including *Bridging Cultural Conflicts: A New Approach for a Changing World* and *Conflict Across Cultures: A Unique Experience of Bridging Differences*. Her forthcoming book *The Choreography of Resolution: Conflict, Movement and Neuroscience* from the American Bar Association examines mobility and physical intelligence as resources for fostering resilience, creativity and cultural fluency during and following social trauma.

Professor LeBaron's residency at the Peter Wall Institute has continued and deepened her focus on arts, conflict transformation and resilience in collaboration with Wall Associate and neuroethicist Dr. Peter Reiner and a global network of scholars and artists. During her tenure, she held a workshop exploring conflict transformation *via* multi-modal arts and conducted research with Japanese Canadians and members of other diasporas on resilience in the aftermath of trauma.



**Dr. C.W. Marshall**, Professor, Classical, Near Eastern and Religious Studies, UBC

Trained as a philologist, Dr. C. W. (Toph) Marshall seeks to extend the boundaries of traditional classical research into theatre and modern media studies. His first book, *The Stagecraft and Production of Roman Comedy*, provided the first synthesis of Roman stagecraft in 50 years. The examination of actors, masks, and improvisation drew on his previous work on Greek tragedy and comedy, and also on his experience as a performer and director. Dr. Marshall has directed over a dozen plays, including *The Invention of Love*, *The Misanthrope*, *Children of Heracles*, and *Asinaria*. His next book, *Tragic Direction*, considers the impact an ancient director has on the creation of meaning in a play, focusing on Euripides' *Helen*. He has also co-edited several collections on 21st century American television and comics, often providing the first scholarly appreciation of these works. His research has been generously supported by SSHRC over the years.

At the Peter Wall Institute, Dr. Marshall is working on his book *Sex Slaves in New Comedy: Drawing on the Modern Experience of Sex Slavery in Southeast Asia*; this project considers how humour is presented in the Greek and Latin plays of Menander, Plautus, and Terence. As in Cambodia, the women in these comedies are often voiceless, and their stories assume a history of sexual violence. By focusing on those characters without the freedom to assert themselves in law, a new understanding of ancient comedy emerges. His website is available at: <http://www.cnrs.ubc.ca/people/cw-marshall>



**Dr. Christian Naus**, Professor, Cellular & Physiological Sciences, UBC

Dr. Christian Naus' research program explores the role of gap junction channels and their proteins (connexins and pannexins) in disease, including consequences of mutations on gap junction structure and function, and the role of these intercellular channels in diagnosis of disease and development of novel therapeutic strategies. Gap junctions are collections of intercellular membrane channels that join adjacent cells in every organ of the body. They allow a variety of small molecules to pass freely from cell to cell, coupling the cells metabolically and allowing them to coordinate their responses to various signals. The importance of gap junctions has become evident with the identification of diseases resulting from mutations or altered expression in connexin genes, including neurological disorders, congenital cataracts, deafness, heart defects and skin diseases. In May 2012, Dr. Naus held a Wall Colloquium Abroad at the Collège de France, Paris on The Role of Gap Junction Proteins in Health and Disease.

Dr. Naus received a PhD in Anatomy (1985) from the University of Western Ontario (UWO), followed by postdoctoral studies at the Scripps Clinic in La Jolla, CA. He then became a Medical Research Council (MRC) Scholar in the Faculty of Medicine at the UWO in 1987, where he developed a successful research program in neurodevelopment and disease, focusing on the newly emerging family of genes that encode the proteins forming unique intercellular gap junction channels. As a full professor, he was recruited to the Faculty of Medicine at UBC in 2002 to Head the Department of Anatomy & Cell Biology. In 2003, he was also appointed interim Head of Physiology as he guided the



merger of these two Departments into the current Department of Cellular & Physiological Sciences. He was Director of the Life Sciences Institute from 2009 to 2013, he has promoted the interdisciplinary goals of this multi-Faculty and multi-Department research unit, dedicated to discovery research in biomedical and health sciences. Dr. Naus holds a Canada Research Chair (CRC) in Gap Junctions and Disease, and was recently elected to the Canadian Academy of Health Sciences.

At the Institute, Dr. Naus organized an International Roundtable Discussion on “Connexin and Pannexin Hemichannels as Therapeutic Targets for Inflammation and Neurodegeneration”. In addition, he strengthened and expanded his current research program in gap Junctions and disease, extended international collaborations, and planned a one-day CRC interdisciplinary workshop associated with the 2013 UBIAS Conference at the Peter Wall Institute. In March 2014, he also brought together an International research team to capitalize on emerging concepts in stroke and neuroprotection. His website is available at: <http://naus-lab.com/index.php>

**Dr. Bonny Norton**, Professor, Language and Literacy Education, UBC

Dr. Bonny Norton is a Professor and Distinguished University Scholar in the Department of Language and Literacy Education, UBC. Born and raised in South Africa in the turbulent apartheid years, she learnt at an early age the complex relationship between identity, language learning and social justice, which are the focus of her research in the international community. She has published widely and received multiple awards for her scholarly contributions.

In 2010, she was the inaugural recipient of the “Senior Researcher Award” by the Second Language Research group of AERA (American Educational Research Association), and in 2012 was inducted as an AERA Fellow. Described as developing a new paradigm of research around conceptions of identity and critical pedagogy, she was credited with “changing the face of second language research”. She has been recognized at UBC through the award of a Killam Research Prize and a Killam Teaching Prize.

During her residency at the Peter Wall Institute in 2013/2014, Dr. Norton organized a UBC interdisciplinary conference for faculty and students, which focused on UBC research in and about Africa. The purpose of the conference was three-fold: (i) to identify and enhance the many research projects, across diverse UBC faculties, which address the African context; (ii) to encourage interdisciplinarity and collaboration amongst established and emerging scholars at UBC; and (iii) to promote the application of research to both policy and practice, locally and internationally. The conference was, in part, a response to a 2011 report by UBC’s Office of Research and International, which seeks input on UBC’s long-term International Strategic Plan with regard to Africa. During her residency, Dr. Norton also guest-edited a special issue of the Journal of Multilingual and Multicultural Development on “Multilingual Literacy in African Communities,” and led “The African Storybook Project: Research for Social Change”, a Peter Wall Institute Colloquium Abroad held at the Stellenbosch Institute for Advanced Study, Stellenbosch, South Africa in October, 2013. Her website can be found at <http://www.educ.ubc.ca/faculty/norton/>



**Dr. Jamie Peck**, Professor, Geography, UBC

Dr. Jamie Peck is a political-economic geographer with wide-ranging interests in urban restructuring, economic governance, the politics of policy formation and mobility, and labour market theory and policy. He is perhaps best known for his work on the political economy of the free-market project, or “neoliberalism.” Translated into more than 15 languages, Dr. Peck’s publications include a dozen books and more than 200 research articles and book chapters. Amongst these are *Constructions of Neoliberal Reason* (Oxford), *Contesting Neoliberalism: Urban Frontiers* (coedited with Helga Leitner & Eric Sheppard, Guilford), and *Workfare States* (Guilford).

With a PhD in Geography from the University of Manchester, Dr. Peck did his postdoctoral work at the University of Melbourne before returning to Manchester to teach for 11 years. In 2000, he took up the position of Professor of Geography & Sociology at the University of Wisconsin-Madison, before moving to UBC in 2008 as Canada Research Chair in Urban & Regional Political Economy. The recipient of Guggenheim and Harkness fellowships, and an elected Academician in the Social Sciences, Dr. Peck has been honoured with the Royal Geographical Society’s Back Award for his contributions to economic geography. A co-editor of *Environment and Planning A* since 1998 and now the journal’s managing editor, he is a past editor of *Antipode*, the radical journal of geography.

At the Institute, Dr. Peck extended his work on the “organic intellectuals” of the free-market project, by way of an exploration of the archipelago of neoliberal think tanks. His webpage is available at <http://www.geog.ubc.ca/~peck/>



**Dr. Catherine Soussloff**, Professor, Art History, Visual Art & Theory, UBC

Known for her comparative and historical approaches to the central theoretical concerns of art history, visual culture and aesthetics, Dr. Catherine Soussloff’s recent publications have focused on: performance art, theories of the image from Leonardo da Vinci to contemporary art, concepts of the Baroque, Viennese art and culture in the early 20th century, Jewish studies and art history, and curatorial practice. She is the author of *The Absolute Artist: The Historiography of a Concept* (Minnesota) and *The Subject in Art: Portraiture and the Birth of the Modern* (Duke). She has edited five collected volumes and published over 40 essays and articles. She has lectured widely in three languages in Canada, the US, South America, and Europe. As a Presidential Chair at the University of California, Santa Cruz, Dr. Soussloff served as Director of the Visual and Performance Studies Research group, where faculty and graduate students from a wide range of fields researched and published collaboratively for 15 years. She is presently completing the book, *That Ironic Object of Desire: Michel Foucault and Painting*, the first comprehensive study of Foucault’s writings on painting. Dr. Soussloff will be lecturing on this topic in Paris in June 2014 at the Sorbonne and at the Institut National de l’Histoire de l’Art (INHA).



Dr. Soussloff has been the recipient of grants and fellowships from the National Endowment for the Humanities, The Getty Research Institute, The Sterling and Francine Clark Art Institute, the University of California Humanities Research Institute, the College Art Association of America, the Herbert D. Katz Centre for Advanced Judaic Studies, University of Pennsylvania and the Institute for the Humanities at New York University. In the summer of 2011, Dr. Soussloff was resident at the University of California, Irvine where she held a National Endowment for the Humanities Summer Seminar fellowship for the study of Walter Benjamin's Later Writings.

At the Peter Wall Institute, Dr. Soussloff is working on her book project: a study of the significance of theory for art from post-WW II to the present. In this book, she examines the major thinkers and fields in philosophy, literary theory, and cultural studies taken up by art history, visual studies, and practicing artists, and which have resulted in the interdisciplinary and cross-media practices that predominate in art, criticism and scholarship today.

The Peter Wall Ideas Lounge, open to faculty and guests for lunch, tapas and beverages in the lower level of the University Centre.



## NATIONAL PROGRAMS

# Early Career Scholars

The Peter Wall Institute Early Career Scholar program brings together, for one year, outstanding tenure-track and recently tenured faculty from diverse disciplines at the early stages of their careers at UBC. Each participant receives an infrastructure budget of \$10 000 and an additional \$10 000 to be used to secure a course release during the appointment. The 2013-2014 cohort took up their appointments in September 1, 2013.



From left to right: Dr. Katharina Coleman, Dr. William Cheung, Dr. Christian Kastrop, Dr. Christian Schoof, Dr. Jennifer Kramer, Dr. Christopher McLeod, Dr. Mehdi Moradi, Dr. Jedediah Brodie, Dr. Ayesha S. Chaudhry, Dr. Shelly Johnson, Dr. Teresa Liu-Ambrose. Front: Dr. Hedy Law,

**Dr. Jedediah Brodie,**

Assistant Professor, Department of Botany & Zoology, UBC

Dr. Jedediah Brodie studies the ecology, evolution, and conservation of animals and plants, with a current focus on tropical rainforests of Southeast Asia. He tries to understand fundamental ecological patterns, as well as assess the impacts of climate change, habitat disturbance and hunting. He completed his undergraduate work at the University of California, Santa Cruz, and his PhD at the University of Montana. Dr. Brodie has lived and worked in ecosystems ranging from the Alaskan tundra to the deserts of southern Africa and the jungles of Borneo. He is currently the Communications Director for the Society for Conservation Biology Asia Section. He has also been a Fulbright Fellow to Malaysia and a David H. Smith Conservation Research Fellow. He feels that limiting the near-term impacts of climatic and other global changes depends on understanding the resilience of ecosystems to altered environmental conditions. Critical gaps remain in understanding the responses of ecosystems to global change, severely hindering society's ability to ameliorate these impacts. Dr. Brodie's research seeks to improve our understanding of biodiversity alterations under conditions of ongoing global changes. His research will contribute to developing theoretical structures for the changing ecology of ecosystems, upon which management and conservation decisions can be made and improved.

**Dr. Ayesha S. Chaudhry,**

Assistant Professor, Department of Classical, Near Eastern & Religious Studies and Institute for Gender, Race, Sexuality and Social Justice, UBC

Dr. Ayesha S. Chaudhry is an Assistant Professor of Islamic Studies and Gender Studies in the Department of Classical, Near Eastern and Religious Studies and the Institute for Gender, Race, Sexuality and Social Justice at UBC. She completed her PhD at New York University in the Department of Middle Eastern and Islamic Studies. Her research interests include Islamic law, Qur'anic exegesis, and feminist hermeneutics. She is the author of *Domestic Violence and the Islamic Tradition: Ethics, Law and the Muslim Discourse on Gender* (Oxford University Press). This book explores the relationship of modern Muslims to the inherited Islamic tradition through a study of legal and exegetical discussions of wife-beating in the pre-and post-colonial periods.

Currently, she is collaboratively working on a book entitled *Difficult Texts or Difficult Women?: The Challenge of Scripture to Feminist Reading*, a project

on inter-faith feminist hermeneutics, which explores and challenges the limits of feminist interpretations of patriarchal religious texts in the three Abrahamic faiths. She is also developing methods of bridging the academic and community divide by translating her research interests into theatre-based performance art that might appeal to a wider audience. She is working on a project that explores the meanings of multiple intersecting political discourses surrounding religious women's sartorial choices. This project is entitled "Cover Story".

**Dr. Katharina Coleman,**

Associate Professor, Department of Political Science, UBC

Dr. Katia Coleman is an Associate Professor in UBC's Department of Political Science. Her academic sub-field is International Relations, and her research interests focus on the dynamics and role of contemporary international organizations, the politics surrounding the international use of military force, and the international relations of African states. She is the author of *International Organisations and Peace Enforcement: the Politics of International Legitimacy* (Cambridge 2007) and of articles and book chapters on international norm creation, contemporary peace operations and the roles of regional and global international organizations in conflict management. Her current research projects include a book-length study of "token" troop contributions to contemporary military coalitions and shorter pieces on the political economy of personnel contributions to UN peacekeeping operations and on the role of regional organizations during the 2011 crisis in Libya. Dr. Coleman holds a Bachelor of Arts in Philosophy, Politics and Economics from Oxford University, a Master's of Social Science in South African and African Politics from the University of Cape Town, and a PhD in Politics from Princeton University.

**Dr. William Cheung,**

Assistant Professor, Fisheries Centre, UBC

Dr. William Cheung is an Assistant Professor at the Fisheries Centre, UBC, effective 2011, and is the Principal Investigator of Changing Ocean Research Unit. His main research area is on assessing the biophysical and socio-economic vulnerabilities and impacts of marine climate change and other human stressors, and identifying mitigation and adaptation options. Dr. Cheung obtained his Bachelor of Science in Biology and a Master's of Philosophy from the University of Hong Kong. He worked for WWF Hong Kong for two



years, after which he completed his PhD in Resource Management and Environmental Studies at UBC. From 2009 to 2011, he was Lecturer in Marine Ecosystem Services in the School of Environmental Sciences, University of East Anglia in the UK. Currently he works on various interdisciplinary research projects with global collaboration networks including UK, Australia, Kenya, China and USA. He participates as Lead Author in various high level international assessments, such as the 5th Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) and Global Biodiversity Outlook. He also serves as scientific advisors in a number of international and local organizations including International Union for Conservation of Nature (IUCN) and WWF Canada.

**Dr. Shelly Mukwa Musayett Johnson,**

Assistant Professor, Department of Social Work, UBC

Dr. Shelly Mukwa Musayett Johnson is Sauteaux (Keeseekoosewa First Nation-Treaty 4) and Norwegian. Her work is in the areas of Indigenous child well-being, trauma and education, political and Indigenous women's community-based leadership, justice, advocacy, and activism. She is a research advisor to the provincial Siem Smuneem Indigenous Child Welfare Research Network. Her academic and research interests reflect Indigenist and critical approaches that contest racism, settler colonialism, and imperialism in their interaction, creation and maintenance of systems of domination, dispossession, violence, criminalization, expropriation and exploitation. Dr. Johnson holds a Doctor of Education in Educational Leadership and Policy from UBC, a Master's of Social Work from the University of Northern British Columbia, and a Bachelor of Social Work from the University of Victoria.

**Dr. Christian Kastrup,**

Assistant Professor, Michael Smith Laboratories and Department of Biochemistry & Molecular Biology, UBC

Dr. Christian Kastrup is an Assistant Professor in the Michael Smith Laboratories and Department of Biochemistry & Molecular Biology at UBC. He is a member of the Centre for Blood Research and an associate member of the Biomedical Engineering Program. Dr. Kastrup leads a group of biochemists and engineers in developing technologies that utilize components of the blood coagulation system for biomedical applications. The applications include local drug delivery to diseased vasculature, treatments for preventing

heart attack and stroke, and treatments for severe bleeding. Dr. Kastrup did his postdoctoral fellowship in Chemical Engineering at MIT (2008-2011), where he held a fellowship from the Life Sciences Research Foundation and specialized in engineering biomaterials for drug delivery. He earned his PhD in Chemistry from the University of Chicago (2003-2008), where he specialized in chemical biology, micro-scale devices, and blood coagulation. During his PhD, he received the Cozzarelli Prize from the National Academy of Sciences. His lab is currently funded by CIHR, NSERC, and Grand Challenges Canada through a Rising Stars in Global Health Award. More information about Dr. Kastrup and the work his lab is doing can be found at <http://kastruplab.msl.ubc.ca/>.

**Dr. Jennifer Kramer,**

Associate Professor, Department of Anthropology, UBC

Dr. Jennifer Kramer is an Associate Professor of Anthropology and a Curator of the Pacific Northwest at the Museum of Anthropology (MOA). She holds a PhD in cultural anthropology from Columbia University. As a collaborative and critical museologist, Dr. Kramer works in partnership with Indigenous communities to create ethnographic writing, exhibitions, and digital resources that try to feel true to self-representation, but at the same time be aware and reflexive of histories, structural inequalities, and contemporary politics. Dr. Kramer is the author of several books on Northwest Coast art and culture. *Switchbacks: Art, Ownership, and Nuxalk National Identity* (UBC Press, 2006) traces Nuxalk discourses about the display and commodification of their art inside and outside of Bella Coola, BC. *Kesu': The Art and Life of Doug Cranmer* (Douglas & McIntyre Press, 2012) is a biography of a groundbreaking and innovative Kwakwaka'wakw artist. *Native Art of the Northwest Coast: A History of Changing Ideas* – (co-edited with Charlotte Townsend-Gault and Ki-ke-in (Ron Hamilton)) is an anthology of writings about Northwest Coast art with contributors from art history, anthropology, legal experts, artists and holders of traditional Indigenous knowledge and is forthcoming in the summer of 2013.

**Dr. Hedy Law,**

Assistant Professor, School of Music, UBC

Dr. Hedy Law graduated from the University of Chicago in 2007 with a PhD in music history and theory. In 2005 she received the Howard Mayer Brown Fellowship of the American Musicological Society. In the same year she won

the best student paper of the Midwest chapter of the American Musicology Society. She was Collegiate Assistant Professor and Harper-Schmidt Junior Fellow of the Society of Fellows at the University of Chicago from 2007 to 2009. From 2009 to 2012, she was Assistant Professor in Music History at Southern Methodist University in Dallas, where she won a university-wide teaching award. Her articles have appeared in *Cambridge Opera Journal* and *Musique et Geste en France*, and are forthcoming in *Oxford Handbook in Music Censorship; Noise, Audition, and Aurality: Histories of the Sonic World in Europe, 1500-1918*; and the special issue on music and architecture in the journal *CENTER: Architecture and Design in America*. She is currently working on a book on music and pantomime in 18th century France.

**Dr. Teresa Liu-Ambrose,**

Associate Professor, Department of Physical Therapy, UBC

Dr. Teresa Liu-Ambrose, PhD, PT, is an Associate Professor in the Department of Physical Therapy, and Director of the Aging, Mobility and Cognitive Function Laboratory (<http://cogmob.rehab.med.ubc.ca>). She is a Canada Research Chair (Tier II) in Physical Activity, Mobility and Cognitive Neuroscience. Her research program focuses broadly on defining the role of targeted exercise training to improve the health and quality of life of older adults. In particular, her research program aims to optimize function among those most vulnerable to both physical and cognitive decline.

**Dr. Christopher McLeod,**

Assistant Professor, School of Population & Public Health, UBC

Dr. Christopher McLeod is an Assistant Professor in the School of Population and Public Health (SPPH), an associate scientist at the Institute for Work & Health and a Global Scholar Alumni with the Canadian Institute for Advanced Research. He has a PhD in population and public health (UBC), a Master's in economics (McMaster University) and undergraduate degrees in economics and psychology (Victoria). Dr. McLeod is the co-research lead of the Partnership for Work, Health and Safety at SPPH. His research focuses on the program and policy evaluation of occupational health policies and practices and on the causes and consequences of work-related injury and disease. Dr. McLeod is also a content data expert for Population Data BC and is actively working on developing and extending the occupational health data available to researchers through Population Data BC. More broadly, his

research explores how societal and economic structures across countries affect health and health inequalities over the working life course. This research uses high quality comparable longitudinal data from representative economies to examine the relationship between employment and working conditions and worker health within and across countries.

**Dr. Mehdi Moradi,**

Assistant Professor, Department of Electrical & Computer Engineering and Urological Sciences, UBC

Dr. Mehdi Moradi holds an engineering degree from University of Tehran and a PhD from Queen's University in biomedical computing. He is a registered Professional Engineer in the province of British Columbia. His broad research interests are machine learning in medical image analysis and image-guided therapy and diagnosis. During his PhD, Dr. Moradi developed a novel technology for detection of cancer from ultrasound echo signals. His work was recognized by several national research awards for its potential to improve the accuracy of targeting of tumors during prostate biopsy. After finishing his PhD in 2008, Dr. Moradi came to UBC as an NSERC postdoctoral fellow with Professors Tim Salcudean, Robert Rohling and Larry Goldenberg. He left UBC in 2011, funded by a training award from Congressionally Directed Medical Research Program to work as a research scientist at the National Centre for Image Guided Therapy within Harvard Medical School in Boston, MA. He returned to UBC as an assistant professor in 2012. The technologies Dr. Moradi applies to the problem are constantly evolving while he remains committed to his goal of improving quality of life for cancer patients. This work is both his career goal and his life mission.

**Dr. Christian Schoof,**

Associate Professor, Department of Earth & Ocean Sciences, UBC

Dr. Christian Schoof grew up in Germany, but moved to England in his teens, where he completed high school before going on to an undergraduate degree in physics at Oxford. A belated realization that he was unlikely to turn into a brilliant theoretical physicist, as well as a love for the outdoors and a chance encounter with a graduate student on a climbing trip, led him instead into the seemingly esoteric field of mathematical glaciology. Dr. Schoof completed his PhD in mathematics at Oxford in 2002, and moved to UBC as a Killam postdoc immediately afterwards. In 2007, he advanced into the ranks of faculty as





a Canada Research Chair in Earth and Ocean Sciences. Dr. Schoof's work focuses on the flow and dynamical behaviour of large ice sheets and mountain glaciers, motivated in large part by their role in the global climate system. He has a particular interest in abrupt switches or 'bifurcations' in the behaviour of ice sheets, which can herald irreversible changes in land ice cover. In 2011, he received the James Macelwane Medal from the American Geophysical Union in recognition of his research in this area.

**Dr. Todd Woodward,**

Associate Professor, Department of Psychiatry, UBC

Dr. Todd Woodward is an Associate Professor within the Department of Psychiatry in the Faculty of Medicine, a Research Scientist with the BC Mental Health and Addictions Research Institute and Centre, and an Investigator with the Brain Research Centre. He completed his PhD in experimental neuropsychology at the University of Victoria in 1999, and his post-doctoral training in cognition, neuroimaging and schizophrenia at UBC in 2003. The objective of Dr. Woodward's research program is to gain a functional and anatomical understanding of the functional brain networks that underlie the primary symptoms of psychosis and schizophrenia. The cognitive correlates of the symptoms of psychosis are being explored by way of originally designed cognitive paradigms assessing specific aspects of memory and reasoning. Translation of these results back to people with schizophrenia in a group setting have led to a promising treatment program called metacognitive training (MCT). Functional neuroimaging is being utilized to identify the neural underpinnings of these cognitive functions, and how their dysfunction manifests as the symptoms of psychosis, and how they are affected by MCT. His lab makes available software for network-based multivariate analysis of functional neuroimaging data.





## NATIONAL PROGRAMS

# Early Career Scholar Start-Up Research Grant

In addition to the intensive Early Career Scholar program, the Institute offers Associate status and a modest start-up research grant up to 15 exceptional Early Career Scholars.



Early Career Scholar Start-Up Research Grant awardees met on Bowen Island for a retreat.

### **Dr. Cash Ahenakew,**

Assistant Professor, Educational Studies, UBC

Dr. Cash Ahenakew is a First Nations' scholar whose research experience and interests focus on the areas of international Indigenous studies in education, Indigenous curriculum and pedagogy and Indigenous health and well-being. He used his funds towards the purchase of Association Memberships and to help meet the travel expenses to attend and present at the 2013 American Association for the Advancement of Curriculum Studies (AAACS) conference, the American Educational Research Association (AERA), and the Canadian Society for the Study of Education conference (CSSE).

### **Dr. Russ Algar,**

Assistant Professor, Chemistry, UBC

The Algar Research Group is interested in developing optically active nanoparticles as platforms for biosensing and theranostics, including understanding the fundamental bio/physicochemical properties of such systems. Their ambition is that tools developed in their laboratory will facilitate new healthcare solutions and biomedical discoveries. Dr. Algar used his funds to partially support a summer research student in his research lab.

**Dr. Karen Cheung,**

Associate Professor, Electrical and Computer Engineering, UBC

Dr. Cheung's research includes the development of microfluidic systems for three-dimensional cell culture and drug screening; the development of implantable, biocompatible microelectrodes for neural prosthetics; nanofibre scaffolds for neural regeneration, and tissue engineering through inkjet printing of living cells and tissue scaffold materials. Dr. Cheung used her funds to attend the 17th International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS 2013), in Freiburg, Germany, where she discussed new sensor technologies, new results in tissue engineering, and new ideas for collaborative projects. MicroTAS is the largest international meeting for reporting research results in microfluidics for life science and chemistry, and brings together engineers and scientists from chemistry, biology, and medicine.

**Dr. Kyle Frackman,**

Assistant Professor, Central, Eastern & Northern European Studies, UBC

Dr. Frackman's research focuses on 18th to 20th-century literature, film and music as well as feminist and gender theory, queer studies, and cultural studies. His funds helped support his research project focused on the uses of classical music in the cinema of the German Democratic Republic (East Germany), including viewing films, newsreels, and other items from the collection of the DEFA Film Library (the only East German film archive outside of Germany); and towards travel to Germany to visit archival sources.

**Dr. Joshua Gottlieb,**

Assistant Professor, Economics, UBC

Dr. Gottlieb's research explores the consequences of government policies in health care and regional development. He used his funds to support joint research into the relationship between public and private-sector medical pricing with researchers at the University of California, San Diego. Funds from the grant were put towards travel so that he could work through the details of their theoretical model and make significant improvements in the associated empirical work that were too complicated to communicate effectively by phone. He also used his funds to purchase books containing relevant data for this project, and other related research supplies.

**Professor Alfred Hermida,**

Associate Professor, Journalism, UBC

Professor Hermida's funds were used to advance his research into the impact of digital media on the profession of journalism and the gathering, production and dissemination of news. Specifically the funds supported the hiring of a graduate student as a research assistant to work on a project analysing the coverage of social media movements in mainstream media and social media.

**Dr. Deanna Kreisel,**

Associate Professor, English, UBC

Dr. Kreisel used her funds to attend and present her recent research at the Modern Language Association Convention in Chicago, Illinois, in January 2013 - the flagship conference for literary studies in North America. The paper presented, entitled "Pure Abstraction Equals Pure Information: Victorian Hyperspace Philosophy", forms part of her current book project on Victorian theories of space and spatiality, tentatively entitled "House of Many Windows: Space and Interior in Victorian Literature and Culture".

**Dr. Amee Manges,**

Associate Professor, School of Population and Public Health, UBC

Dr. Manges is examining the role of the infant intestinal microbiota and growth faltering in early life, through a Bill and Melinda Gates Foundation and UK Department for International Development-supported cluster-randomized factorial trial led by ZVITAMBO, a research and public health project located in Harare, Zimbabwe. Dr. Manges used his funds to support his travel to Nairobi, Kenya (for an African Microbiome Meeting) and to Harare, Zimbabwe and the ZVITAMBO organization in November 2013 whereupon he brought back the first set of samples from the trial.

**Dr. Ali Mesbah,**

Assistant Professor, Electrical & Computer Engineering, UBC

Dr. Mesbah's main area of research is software engineering with emphasis on software analysis and testing of web-based systems. He used his funds to attend the 7th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM) in October 2013 in Baltimore Maryland, USA, where he presented two papers: "Real Challenges in Mobile App Development" and "An Empirical Study of Client-Side JavaScript Bugs".

**Dr. Mary O'Connor,**

Assistant Professor, Zoology, UBC

Dr. Mary O'Connor studies the influence of environmental temperature on the dynamics of ecological communities. She used her funds to support travel, registration and accommodations at the 2013 Ecological Society of America's annual meeting, where she organized and participated in a Symposium that integrated theoretical, experimental and field research from terrestrial, marine and aquatic ecosystems to identify generalities in the ecological effects of environmental warming on food webs. As an outcome of the symposium, she has received additional invitations to present the research at other conferences and universities.

**Dr. Manuel Piña-Baldoquín,**

Associate Professor, Art History, Visual Art and Theory, UBC

Dr. Piña-Baldoquín's research explores how current technologies are bringing radical changes in the production, dissemination and perception of images, and how vernacular and learned approaches are generating new visual languages, new possibilities for visual inquiries and reflections on our existence and the world. He has used his funds to support a series of workshops at UBC where students from across multiple disciplines are challenged to expand their understanding of their respective disciplines and are introduced to the riches of cross-disciplinary research and discourse.

**Dr. Alessandra Santos,**

Assistant Professor, French, Hispanic & Italian Studies, UBC

An Assistant Professor of Ibero-American literatures and cultures, Dr. Santos is interested in dialogues between literature and the other arts, new media, utopias, social justice, Indigeneity, gender, and the dichotomy of public and private spaces. Dr. Santos award helped her to fund a UBC conference in March 2014 on global utopias and postcolonial issues at UBC that entailed activities with international artists and scholars, as well as faculty, students, and members of the community. One of the goals of the conference was to publish her second co-edited book on utopia.

**Dr. Thomas Tannert,**

Assistant Professor, Wood Science and Civil Engineering, UBC

Dr. Tannert contributes to establishing an interdisciplinary research program that bridges the conceptually diverse disciplines of materials science, structural engineering, and architecture with the goal to develop innovative wood-based building solutions. He used his funds to attend a conference on Adhesive Bonding in Porto, to visit colleagues at the Bern University of Applied Sciences and the Empa Structural Engineering Research Laboratory, both in Switzerland, and the Biberach University of Applied Sciences in Germany. He was also able to attend a two-day training with a company called Hundegger to familiarize himself with the equipment that he was able to bring to UBC through a grant from the Canadian Foundation for Innovation's Leaders Opportunity Fund.

**Dr. Scott Tebbutt,**

Associate Professor, Medicine, UBC

Dr. Tebbutt's research program is focused on the genomics of complex respiratory disease. One of the translational research goals of Dr. Tebbutt's laboratory is to develop biomarker panels that can predict and diagnose different response-types of asthmatic individuals when they are exposed to allergens. His team has identified several biomarker candidates based on whole genome expression analysis. Dr. Tebbutt used his award to support the development of specific gene assays to these candidate biomarkers, and to evaluate the assay performance characteristics.

**Dr. Hannah Wittman,**

Associate Professor, Food Nutrition & Health, and Institute for Resources, Environment & Sustainability, UBC

Dr. Wittman's current research projects examine the ways that the rights to produce and consume food are contested and transformed through struggles for agrarian reform, food sovereignty, sustainable local food systems and agrarian citizenship. She used her research funds towards travel to a workshop entitled 'Food Sovereignty: A Critical Dialogue', that was hosted by the Yale University Agrarian Studies Program and the Journal of Peasant Studies in September 2013. She presented a paper entitled 'Farmers, Foodies and First Nations: Getting to Food Sovereignty in Canada', which was recently accepted for publication for the 40th Anniversary Special Issue of the Journal of Peasant Studies.

## NATIONAL PROGRAMS

# The Wall Exchange

**The Wall Exchange** is a community program that brings prominent writers, researchers, artists, and humanitarians to Vancouver and provides a public forum for the discussion of key issues that impact us all. These special evenings are held twice yearly: in the spring and fall, and feature a well-known public figure who is contributing new knowledge to the arts, humanities, sciences, and social sciences.

The lectures are held in downtown Vancouver at the Vogue Theatre. The Vogue, built in 1941 to showcase live performances and movies, seats 1,100 and is a prominent landmark in the city's theatre district.





### **“Bugs ‘R Us: The Role of Microbes in Health, Disease and Society”**

#### **Dr. Brett Finlay**

Award-winning microbiologist, Wall Distinguished Professor, examined how bacteria live in the human body and help maintain good health.

May 21, 2013

The microbiota (also known as normal flora of the human body) is comprised of thousands of species of microbes. In fact, the number of microbes in and on our body outnumbers human cells by a factor of ten, and one gram of human feces contains more bacteria than all humans in the world. Only recently have we begun to appreciate the role of these organisms in health, impacting on diarrhea, obesity, various bowel diseases, type I diabetes, asthma, and even brain development. In developed countries, we have gone to great lengths to minimize our exposure to microbes, both pathogenic and harmless. The Hygiene Hypothesis suggests that perhaps we have gone too far, as hominids have evolved in a sea of microbes, and actually need exposure to microbes early in life to develop normally. This talk explored new research on the role of the microbiota in health, mechanisms used by microbes to cause disease, and new approaches to counter infections, including potentially using the microbiota to prevent other diseases.

Dr. Brett Finlay is a Distinguished Professor at the Peter Wall Institute, a Professor in the Michael Smith Laboratories, and the Departments of Biochemistry and Molecular Biology, and Microbiology and Immunology at the University of British Columbia.

An [audio podcast](#) of [Dr. Finlay's lecture](#) is available on CBC Radio [One's Ideas website](#). A video recording of the lecture is also available on [YouTube](#). Dr. Finlay's Wall Exchange was also the subject of an interview with CBC Vancouver's On the Coast drive home show, and a story also appeared in the [Georgia Straight](#).

The**WALL**  
Exchange



### **“War and Peace in an Age of Ecological Conflict”**

#### **Dr. Bruno Latour**

Eminent philosopher, sociologist and anthropologist of science and technology, spoke about the new geopolitical framework emerging from our entry into the anthropocene.

September 23, 2013

Dr. Bruno Latour is a professor at Sciences Po Paris. Trained in philosophy, he has been instrumental in the development of an anthropology of science and technology. This field has had a direct impact on the philosophy of ecology and on an alternative definition of modernity. He has taught for many years in North American universities. Most of his books have been published with Harvard University Press. The most recently published is *An Inquiry into Modes of Existence – An Anthropology of the Moderns*. All references and most articles may be found on [www.bruno-latour.fr](http://www.bruno-latour.fr). Dr. Latour gave the six Gifford Lectures on Natural Religion for 2013, under the title Facing Gaia, Six Lectures on the Political Theology of Nature, and was awarded the prestigious Holberg Prize for 2013.

A video recording of [Dr. Latour's Wall Exchange lecture](#) is available on [YouTube](#). During Dr. Latour's visit, he was interviewed by Radio-Canada Vancouver on the concept of the anthropocene, and he was featured in a [Q&A](#) with Ground/ Figure Communication.

### **“Approaches to the Anthropocene – A Conversation with Philippe Descola and Bruno Latour”**

Museum of Anthropology, UBC

September 25, 2013

Dr. Philippe Descola and Dr. Bruno Latour are two of France's most prominent intellectuals, and both have redefined their respective fields of expertise by considering the place of human agency – and non-human actors – in the construction of the modern world. In this conversation, Dr. Latour and Dr. Descola, Distinguished Visiting Professor at the Institute, debated the idea of the anthropocene, a new geological era in which humans have become the principal agents for the transformation of our planetary systems: from small scale consumption of natural resources to large-scale human-induced climate changes. The event was sponsored by the Peter Wall Institute for Advanced Studies, UBC Museum of Anthropology and the French Consulate Vancouver.

[The debate is available online.](#)



NATIONAL PROGRAMS

## The Wall Hour

**The Wall Hour** is a series of free forums hosted by the Peter Wall Institute and open to all faculty and students, from 12:30 pm to 1:30 pm, September to November and January to March. The fora are held in locations across the campus, co-hosted with various faculties and research centres, with both local and international speakers on timely topics.

### **“Living Through Violence: Transitional Justice and the Everyday”**

**Professor Erin Baines** and **Professor Pilar Riaño-Alcalá**

Liu Institute for Global Issues, UBC

January 17, 2013

The field of transitional justice emerged in the 1980s as the study and practice of state-led approaches to respond to mass atrocity and systemic violence, including the use of trials, truth commissions and reparations to transform state-society relationships. Yet mass violence tends to fray the social fabric of communities and the family, with everyday reminders of broken trust embedded in the landscape, social relationships and memory. Professor Erin Baines and Professor Pilar Riaño-Alcalá considered the myriad and complex ways those affected by violence improvise ways of living together again in the space of the everyday, a contribution to a field increasingly criticized for the disjuncture between state-led mechanisms and the lived realities of those afflicted. They drew upon examples of everyday processes, the presentations and reflections from the Peter Wall Institute Exploratory Workshop “Living Through Violence: Transitional Justice Considers Everyday Memory Practices and Performances of Social Repair” and the insights they bring to the field of transitional justice.

### **“Flexible Bio-battery Materials”**

**Dr. W.H. Katie Zhong**, Westinghouse Distinguished Professor in the School of Mechanical and Materials Engineering at Washington State University (WSU), and 2012 Wall International Visiting Research Scholar Michael Smith Laboratories Theatre, UBC

February 7, 2013

Ultra elastic and superior ionic conductive solid polymer electrolytes (SPE) are prerequisite for the development of foldable/flexible devices of next-generation electronics and high power density applications. Developing such high performance SPE using a bio-material and an environmentally benign approach is more challenging. Soy products usually are used as rigid fillers for enhancing mechanical properties of polymers. Dr. Zhong's research team developed a rubber-like, soy protein-based SPE by controlling the denatured

structure of soy protein isolate. The results indicate that the soy-SPE with 55 wt% of soy protein isolate possess a fully amorphous uniform structure having low Tg. The conductivity and elasticity are both significantly improved with soy protein involvement.

### **“The North American Energy Landscape - From Importer to Exporter?”**

Centre for Interactive Research on Sustainability, UBC

March 7, 2013

A timely panel discussion on the state of North America's unprecedented hydrocarbon landscape and its complex, new interplay with climate policy. With moderator **Brent Sauder**, Director, Strategic Partnerships Office, UBC, and panelists: **Dr. Lawrence Pitt**, Associate Director, Pacific Institute for Climate Solutions, University of Victoria; **Dr. James Tansey**, Associate Professor and Executive Director ISIS Research Centre, Sauder School of Business, UBC; **Matt Horne**, Director, Climate Change program, Pembina Institute. [Watch the panel online.](#)

### **“The Vulnerability of Archaeological Logic in Aboriginal Rights and Titles Cases in Canada”**

**Dr. Andrew Martindale**, Associate Professor, Department of Anthropology, UBC

Peter Wall Institute for Advanced Studies, UBC

October 3, 2013

A topical discussion held at the Peter Wall Institute on the history of archaeological evidence in Aboriginal rights and titles cases in Canada, which illustrates a fundamental vulnerability between archaeological knowledge claims and its capacity to understand history. In recent post-Delgamuukw court cases, opponents of Aboriginal rights and titles have exploited this contradiction, successfully restricting archaeology's role to refuting evidence from Indigenous oral records. If archaeology is to assert its capacity to reveal history within rights and titles cases, it must address two issues: lingering intellectual naïveté regarding interpretive links between material gestures and cultural identity, and a fundamental ethnocentrism in our understanding of humanity that reflects contemporary asymmetries of power.

# TheWALLHOUR

## **“The Role of Megafauna on Microfaunal Diversity in Kenyan Ecosystems”**

**Dr. Greg Crutsinger** and **Dr. Matthew Barbour**, Department of Zoology, Beaty Biodiversity Museum, UBC

October 17, 2013

Dr. Crutsinger presented results from his Peter Wall Institute UBC Visiting Scholar Abroad award to study one-hectare plots that exclude large herbivores across a rainfall gradient in the Laikipia district of Kenya. Large mammalian herbivores are key players in the ecosystems of East Africa, yet their direct and indirect effects on the diversity and structure of the plant community, associated food webs of invertebrates, and ecosystem processes remains under-explored.

## **“Indigenous Peoples and the Collaborative Stewardship of Traditional Lands”**

**Dr. Janette Bulkan**, Forest Resources Management, with commentators **Professor Margot Young**, Law, UBC & **Dr. Leila Harris**, Institute for Resources, Environment & Sustainability, UBC Henry Angus Building, UBC

November 7, 2013

This talk featured Dr. Bulkan of the Faculty of Forestry reporting back on fieldwork that was carried out in July 2013 in collaboration with local research assistants in five Indigenous Makushi communities in central Guyana. The research was supported by a \$10,000 Peter Wall Institute for Advanced Studies' Research Mentoring Award.

The discussion considered the opportunities for meaningful collaboration that are opened up by global-to-local schemes for biodiversity protection and the challenges to potential collaboration posed by external actors, including the State. How might a number of indigenous communities that share a communal legal title to part of their traditional lands deliberate on and devise management rules for the collaborative stewardship of their lands? How can such processes unfold in a context of sustained external authoritarian political pressure?

## **“Politics of Forgetting: The Case of the South African Truth and Reconciliation Commission as Judged by its Writers”**

**Dr. Dina Al-Kassim**, Associate Professor, UBC Department of English, 2012 Wall Early Career Scholar, and Associate at the Institute for Gender, Race, Sexuality, and Social Justice  
The Peter Wall Institute for Advanced Studies, UBC

November 21, 2013

The BC Truth and Reconciliation Commission (TRC) raises many questions surrounding the effectiveness, purpose and intentions of truth commissions and prompts many to ask what futures are imagined through acts of public memory. In light of this questioning, it is useful to look back to one of the most prominent truth commissions, the South African TRC (1995-1998), which, though globally promoted as a universal good, inspired ample criticism at home, a paradox illustrated in the Commission's commitment to symbolic reparation and to encouraging women's testimony despite the refusal of many women to testify. What conceptions of the human are naturalized in state-mandated projects of healing that depend upon such narratives? What new forms of subjection and resistance await the citizens of the modern postcolonial state? These are the questions that preoccupy South African literature in the 21st century as citizens and writers assess the legacy of the TRC as a memorial, an instruction and a warning.





From left to right: Dr. Leila Harris, Dr. Janette Bulkan and Professor Margot Young  
at The Wall Hour on indigenous peoples and land stewardship in Guyana.

## NATIONAL PROGRAMS

# Associate Research Fora

Peter Wall Institute Faculty Associate Fora are a monthly gathering of Institute faculty associates and guests with talks by associates, offering an important forum at UBC for interdisciplinary research contact.

### “How We Make Meaning”

**Dr. Barbara Dancygier**, Professor of English, and 2012 Wall Distinguished Scholar in Residence

January 23, 2013

Linguistic meaning pervades all aspects of our lives. Most of the things we do every day require dealing with language in some form. The way we perceive reality and reason about it also depends on conceptualizations available through language. Language is a window to how we understand and mentally represent the world around us. The multifaceted role of linguistic knowledge raises many questions. How do complex linguistic meanings emerge? How are they represented in the mind. This talk put these questions in the context of what we now know about embodied cognition and shows how human language provides necessary links between conceptualization, culture, and creativity. Relying on examples from colloquial use of language, visual art and literature, it discussed central mechanisms that make language the crucial player in the emergence of new meanings and new forms of communication.

### “Esther Shalev-Gerz: Belatedness”

**Dr. Catherine Soussloff**, Professor, Department of Art History, Visual Art & Theory and 2013 Wall Distinguished Scholar in Residence, and **Dr. Shelly Rosenblum**, Curator of Academic Programs, Morris and Helen Belkin Art Gallery

February 27, 2013

A special Wall Institute walking lecture & tour of the exhibition, Esther Shalev-Gerz at the Morris and Helen Belkin Art Gallery at UBC, followed by a reception next door at the Frederic Wood Theatre. The tour of the exhibition and presentation, “Esther Shalev-Gerz: Belatedness”, was led by Dr. Catherine Soussloff and Dr. Shelly Rosenblum.

Experiencing the work of Esther Shalev-Gerz, one finds oneself caught, captured, captivated, by the fundamental themes in her artistic practice - history, memory, exile, migration, listening, telling, diaspora, narrative, time. Her work engenders a continual return to a Benjaminian worldview and lexicon in the sense-making we engage. In his later writings, Walter Benjamin worked towards the creation of a new philosophy of historical time. Benjamin's position derives from a dual critique of a vulgar historicism and

of the Social Democratic concept of progress. It gives rise to a conception of historical intelligibility based on ‘literary montage’ as the method of construction of ‘dialectical images’ (Arcades, 460–1). Benjamin constructs novel conceptions of historical time and historical intelligibility based on the relationship not between the past and the present, but between the ‘then’ and the ‘now’, as brought together in images of the past. Dialectical images have an interruptive, explosive force, they emerge “suddenly, in a flash” and impart to experience what Benjamin famously called now-time (Arcades, 473). This Benjaminian ‘flash’ — the explosive force of now-time, blasting open ‘the continuum of history’ — electrifies us in the work of Esther Shalev-Gerz. A jointly delivered presentation on Esther Shalev-Gerz, Walter Benjamin, and the Double Meaning of Time in Art and History.

### “What Ever Happened to the Dispute about Innate Ideas?”

**Dr. Eric Margolis**, Professor of Philosophy, and 2012 Wall Distinguished Scholar in Residence

March 27, 2013

Human cognition is made possible by the concepts that organize how we represent and think about the world. But where do these concepts come from? In this talk, Dr. Margolis took up the question of whether there is any truth to the ancient philosophical doctrine that humans possess “innate ideas”. The contemporary nativist framework that is the heir to this doctrine finds support in a diverse body of evidence that Plato, Descartes and other historical philosophers could hardly have anticipated.

### “Peter Wall Institute Woodwind Quintet WW5”

April 10, 2013

A special reception and concert was held featuring the Peter Wall Institute Woodwind Quintet WW5. The WW5 performed a selection of pieces by Berger, Muller, and Piazzolla to showcase the versatility of the Woodwind Quintet.

**Dr. Vanessa Auld**, Peter Wall Institute Associate and UBC Department of Zoology, flute, **Dr. Margaret Schabas**, Peter Wall Institute Associate and 2010 Distinguished Scholar in Residence and UBC Department of Philosophy, oboe, **Dr. Brett Finlay**, Peter Wall Institute Distinguished Professor and UBC

Michael Smith Labs, clarinet, **Dr. Holger Hoos**, Peter Wall Institute Associate and 2010 Distinguished Scholar in Residence, and UBC Department of Computer Science, bassoon, **Marianne Plenert**, West Coast Symphony and the Vancouver Philharmonic Orchestra, French horn

### **“The Natures of War”**

**Dr. Derek Gregory**, Peter Wall Distinguished Professor and Professor of Geography, UBC  
Vancouver Aquarium

May 29, 2013

Dr. Derek Gregory, award-winning political geographer and Peter Wall Institute Distinguished Professor, focuses on the transformations of modern war in the 20th and 21st centuries, and on the political and cultural geographies of bombing from the air.

Blending poetry and prose, paintings and videos, Dr. Gregory presented ‘nature’ not simply as a terrain over which conflicts rage, but as a medium through which they are conducted. He used four richly illustrated examples: the ‘slimescapes’ and mud of the Western Front in the First World War, the deserts of Northern Africa during the Second World War, the ‘jungle’ of Vietnam in the 1960s and 70s, and the continuing militarization of the Arctic. In each case, ‘nature’ was presented as a medium that transformed the very nature of the conflict, often treated in military culture as an adversary as dangerous as the human enemy. But not only do these examples have implications for ecological warfare, they also impact directly on the very survival of our planet. This event was open to the public.

### **Faculty Associate luncheon with Dr. Bruno Latour**

September 24, 2013

Peter Wall Faculty Associates had a unique opportunity to have an intimate idea exchange with Dr. Bruno Latour, eminent philosopher, sociologist and anthropologist of science and technology.

### **Early Career Scholars Cross-Cohort Meeting**

October 23, 2013

The Early Career Scholar Cross-Cohort meeting provided the opportunity for the past four cohorts of Early Career Scholars (ECS 2010-ECS 2013) and the Early Career Start-up Research Awardees to reunite and launch ongoing connections. The event was followed by a lively Faculty Associate dinner forum.

### **Sustainability as Fairness? Working Behind the Veil of Ignorance or From an Original Position**

Associate Dinner Forum

October 23, 2013

This special Associates discussion and dinner forum was organized and facilitated by representatives from a cross-cohort of the Institute’s Early Career Scholars.

How can we design socially, economically and environmentally sustainable communities? What tools are needed to ensure that communities at all levels, from the individual to the global community, engage sustainable frameworks in a fair and effective manner? This special Faculty Associates Forum consisted of simultaneous roundtable discussions on the design of sustainable communities at different scales using John Rawls’ idea of the Veil of Ignorance, a philosophical position that suggests that fairness is best achieved when a social contract is set up without individual’s knowledge of particular facts about themselves or others. The event asked how we can understand the social, economic and scientific challenges inherent in sustainability and consider the deliberative processes that might assist people to find more sustainable ways of living collectively and individually.





## NATIONAL PROGRAMS

# Theme Development Workshops

Peter Wall Institute Theme Development Workshops facilitate brief, informal meetings of UBC researchers at the Institute to explore the research possibilities of a topic of interdisciplinary interest. These meetings often lead to significant new collaborations, funding for workshops and conferences, and publications.



### Laboratoire Souterrain à Bas Bruit

**Dr. Guy Dumont**, Professor and CRC, Electrical & Computer Engineering, UBC

March 4 and 11, 2013

The objective of this workshop series was to brainstorm themes of a potential Colloquium Abroad to be held at or near the “Laboratoire Souterrain à Bas Bruit” (LSBB) near Avignon, France. LSBB provides a unique low noise environment for electroencephalographic recordings. The Colloquium Abroad would be a multidisciplinary initiative revolving around brain monitoring using various modalities. Experts on various brain imaging modalities would be involved, as well as a number of researchers in cognitive sciences, neurology, biomedical engineering, music would be invited. They also plan to run a series of experiments at LSBB just before the Colloquium with a small number of participants. For this, they are seeking funding from CNRS.

Participants included: **Dr. Maxwell Cameron**, Political Science, UBC; **Dr. Guy Dumont**, Electrical & Computer Engineering, UBC; **Professor Rena Sharon**, Music, UBC; **Dr. John Steeves**, ICORD; **Dr. Richard Unger**, History, UBC; and **Dr. Matthew J. Yedlin**, Electrical and Computer Engineering, UBC.



### A Humanities Research Cluster

**Patricia Badir**, Professor, English

March 23, 2013

A humanities research cluster to foster connections between scholarly research interests at SFU and UBC. The task of the workshop was to identify productive points of collaboration or places where ideas cohere and new work can emerge.

Participants included: **Dr. Miranda Burgess**, English, UBC; **Dr. Bo Earle**, English, UBC; **Dr. Alex Dick**, English, UBC; **Dr. Neil Safier**, History, UBC; **Dr. Carla Nappi**, History, UBC; **Professor Felice Wyndham**, Anthropology, UBC; **Dr. Renisa Mawani**, Sociology, UBC; **Dr. Tom Kemple**, Sociology, UBC; **Dr. John Beatty**, Philosophy, UBC; **Dr. Margaret Schabas**, Philosophy, UBC; **Dr. Kirsty Johnston**, Theatre, UBC; **Dr. Lisa Coultard**, Theatre, UBC; **Dr. Tiffany Werth**, English, SFU; **Dr. Lisa Shapiro**, Philosophy, SFU; **Dr. John Craig**, History, SFU



### Collaborative Research in Mindful Wellbeing

**Geoffrey Soloway**, Health & Wellness Specialist, Health Promotion, Human Resources; **Dr. Daniel Skarlicki**, Edgar F. Kaiser Professor of Organizational Behavior, Sauder School of Business

August 29, 2013

UBC researchers, staff, and students with a research or professional interest in Mindful Well-being met to discuss the potential for establishing an umbrella organization at UBC to further mindfulness research and its practical applications. Representatives from Medicine, Business, Education, Economics, Human Resources, and the Centre for Teaching, Learning & Technology shared their perspectives on the potential role and benefits of a collaborative on mindfulness at UBC.

## NATIONAL PROGRAMS

# Research Mentoring Program

The Peter Wall Institute for Advanced Studies' Research Mentoring Program is aimed at linking Faculty Associates of the Institute with early to mid-career scholars in UBC departments, faculties and research centres to support innovative highly interdisciplinary research collaborations. Ten mentorship awards of \$10,000 each were awarded to support a new research partnership between an early to mid-career scholar and the Faculty Associate mentor, to be conducted in 2013 - 2014.



Mentorship award recipients are expected to conduct outstanding scholarship in the relevant area of research, with the potential to create transformative outcomes through a highly interdisciplinary collaboration. The award is aimed at supporting scholarship that is not normally supported by the major federal research funding agencies. Award recipients (and their mentors) will present their research results in a public forum, and prepare a working paper to be published online as part of the Peter Wall Institute Working Papers series.

#### Research Mentoring Program 2012 - 2013 Awards



##### Knowledge and Responsibility in Modern War

**Professor James Stewart**, Assistant Professor, Faculty of Law, UBC

Mentor: **Dr. Derek Gregory**, Peter Wall Distinguished Professor, Department of Geography, Faculty of Arts, UBC

Professor Stewart joined UBC Faculty of Law in August 2009, after spending two years as an Associate-in-Law at Columbia Law School in New York. Prior to his time at Columbia, Professor Stewart was an Appeals Counsel with the Prosecution of the United Nations International Criminal Tribunal for the former Yugoslavia. He has also worked for the Legal Division of the International Committee of the Red Cross and the Prosecution of the International Criminal Tribunal for Rwanda. His research focuses on corporate responsibility for international crimes, drawing on international criminal law, the laws of armed conflict, international human rights, comparative criminal law, theory of criminal law, public International law, and corporate criminal liability. His working paper, entitled *The Competitive Advantage of Corporate Criminal Responsibility for International Crimes: Atrocity, Commerce, and Accountability after Kiobel*, is available online.



##### Best Practice Guide on Getting Ready for a Payment for Environmental Services (PES) Contract, for Use by Indigenous Peoples in Guyana with Legal or Customary Title to their Lands

**Dr. Janette Bulkan**, Assistant Professor, Forest Resources Management, Faculty of Forestry, UBC

Mentors: **Dr. Leila Harris**, Associate Professor, Institute for Resources, Environment and Sustainability, UBC; **Professor Margot Young**, Associate Professor, Faculty of Law, UBC

Dr. Bulkan used a participatory process with five Indigenous communities in Guyana to develop a Best Practice Step-by-Step Guide on Getting Ready for a Payment-for-Environmental-Services (PES) contract, for use by Indigenous peoples in Guyana with legal or customary title to their lands. Guyanese Indigenous peoples ("Amerindians") make up 10 per cent of the national population but are the majority populations of the forested Interior regions of Guyana. Altogether, 97 Amerindian villages hold legal communal title to some 3 million hectares of land, 80 per cent of which is forested. Uptake of this Guide has the potential to improve governance practices within Indigenous communities while securing long-term conservation and protection and sustainable use of highly biodiverse forests for local, national and global benefit.

# Colloquia

Peter Wall Institute Colloquia draw together experts from multiple disciplines to examine important and timely research questions.

## New Mechanisms, Therapeutic Targets and Technologies for Bone Health

The Segal Graduate School of Business, SFU  
Principal Investigator: **Dr. Fabio Rossi**, Medical Genetics, and Acting Director, The Biomedical Research Centre, UBC

June 15, 2013

This workshop was attended by multidisciplinary group of experts in stem cell, molecular and cellular biology, nanoparticle delivery systems, medicinal chemistry, commercialization, guest bone health experts, as well as members of the public including a representative from the Centre for Hip Health and Mobility. The meeting was highlighted by some exciting new data on the regeneration of bone through targeted therapies. In addition, new technologies in delivery were presented and discussed with a consensus that there was real potential for selectively targeting bone for safer more efficacious therapies to foster regeneration. Novel mechanisms were revealed with the potential to develop new therapeutic approaches, which will best be pursued through collaborative interactions. The largely unmet need for treating osteoporosis and accelerating bone healing combined with the exciting results presented led to an exciting initiative to form a new translational entity focused on developing these discoveries towards therapies for patients suffering from osteoporosis and delayed bone healing.

## Cold Ensembles in Atomic, Molecular and Optical Physics and Chemistry

The Carey Centre Lecture Hall, UBC  
**Dr. Roman Krems**, Department of Chemistry, UBC  
August 5–7, 2013

Researchers participating in the Peter Wall Institute Major Thematic Grant Program “Ultracold Coherent Chemistry” and the principal investigators of the Canadian Centre for Research on Ultracold Systems at UBC invited a group of high profile researchers from Freiburg University in Germany to establish the ground for a bi-institutional UBC - Freiburg collaboration in Cold Ensembles in Atomic, Molecular and Optical Physics and Chemistry, August 5–7, 2013. As part of the collaboration, three Wall Institute public colloquia were held at the Carey Centre Lecture Hall chaired by Dr. Kirk Madison, UBC Physics and Astronomy. Lectures discussed various aspects of molecular interactions at very low temperatures, proving examples of new research directions made possible by the development of technology for cooling and manipulating molecular ensembles with electromagnetic fields.

The free public session featured talks by:

**Professor Frank Stienkemeier**, Freiburg University: **Spectroscopy and dynamics at low temperatures using doped cluster beams**; **Professor Roman Krems**, Chemistry, UBC: **Exciton and polaron physics with cold molecules**; **Dr. Andreas Buchleitner**, Freiburg University: **Control of complex quantum systems - wave packets, entanglement, transport**.

# Special Events

## **Emeriti Research Day**

October 8, 2013

Sponsored by the Peter Wall Institute for Advanced Studies and UBC's Association of Professors Emeriti Research, and held at the Peter Wall Institute.

The Research Day topics included:

### **“How Bacteria Talk to Each Other and Why”**

**Dr. Julian Davies**, Microbiology and Immunology, UBC

### **“Sugar Consumption and the Metabolic Syndrome”**

**Dr. John McNeill**, Pharmaceutical Sciences, UBC

### **“Imagined Liberation: Xenophobia, Citizenship and Identity in South Africa”**

**Dr. Kogila Adam-Moodley**, Educational Studies, UBC

### **“On Knowing the Pain of a Child”**

**Dr. Kenneth Craig**, Psychology, UBC



# Peter Wall Solutions Initiative

## Program Review and Highlights in Year Two

The Peter Wall Solutions Initiative was launched in 2011-12 to support UBC researchers working actively with community organizations, end-users and other partners to address current societal issues through innovative, interdisciplinary and academically rigorous research projects. In the pilot phase, 12 projects were funded ranging from \$15,000 to \$118,000 per year to develop innovative research solutions for their communities. Wall Solutions researchers demonstrated remarkable progress after two years at their annual review on November 25, 2013. Interviews with individual community partners also provided evidence of strong support and positive feedback for the projects and the Solutions program.







**Project highlights from the annual review include the following:**

**Dr. Heather McKay** and **Dr. Joanie Sims-Gould**, Centre for Hip Health and Mobility, UBC, have been working with the community to gather data on mobility behaviour and health of older adults in the West End neighbourhood for the City of Vancouver Active Transportation team designing the Comox-Helmcken Greenway. Improvements and design changes for the Greenway construction in Phase 1 were informed by this research and post-construction data will be collected in summer 2014 to determine whether the design has influenced mobility behaviours and health outcomes. The project also released a 20-minute documentary entitled “I’d Rather Stay”. [Watch the trailer online.](#)

**Dr. Guy Dumont** and his team at BC Children’s Hospital developed an innovative approach to conducting research on youth behaviour by incorporating youth advisors directly into the research process. KidsCan advisors (age 15-17 yr) were consulted on the development of the MobileKids game platform for young children (age 8–10 yr) to motivate increased physical activity. Initial results are promising, with significant increases in physical activity in children who reported liking the game. Industry partners, Ayogo Games and Kinetek, commented that the pragmatic and iterative approach taken by the research team on what proved to be complex project requirements was crucial to its success. The project was the subject of a news article, “Electronic game to get overweight youngsters moving to be tested at B.C. schools, hospitals,” which ran in regional dailies across the country, including in the *Vancouver Sun*, the *Calgary Herald*, the *StarPhoenix*, the *Leader-Post* and the *Gazette*.

“A fantastic partnership it has been working with the Active Streets Active People team...we learned a lot from each other.”

- Dale Bracewell, Manager for Active Transportation

**Dr. Barb Pesut** at the University of BC Okanagan campus has developed an innovative and potentially cost-saving model for delivery of integrated palliative care services in rural communities in BC. Working with Trail and Castlegar communities, and health service providers, this patient-centred navigational model for managing palliative care delivery is being tested by following patients and caregivers to determine health outcomes, service utilization/efficiencies and possible cost benefits.

**Dr. Madjid Mohseni** has been working with three First Nations communities in BC, Boothroyd, Lytton and Tl’azt’én bands, to address issues of water health. Using qualitative and quantitative methods with the community to look at water quality, water treatment, and cultural norms, they recommended options to improve drinking water quality based on specific community requirements. They have developed a novel small-scale water treatment system using Vacuum Ultra Violet technology, which will be piloted in Middle River reserve, and if proven, may be a viable technology for small Aboriginal communities across BC and Canada.

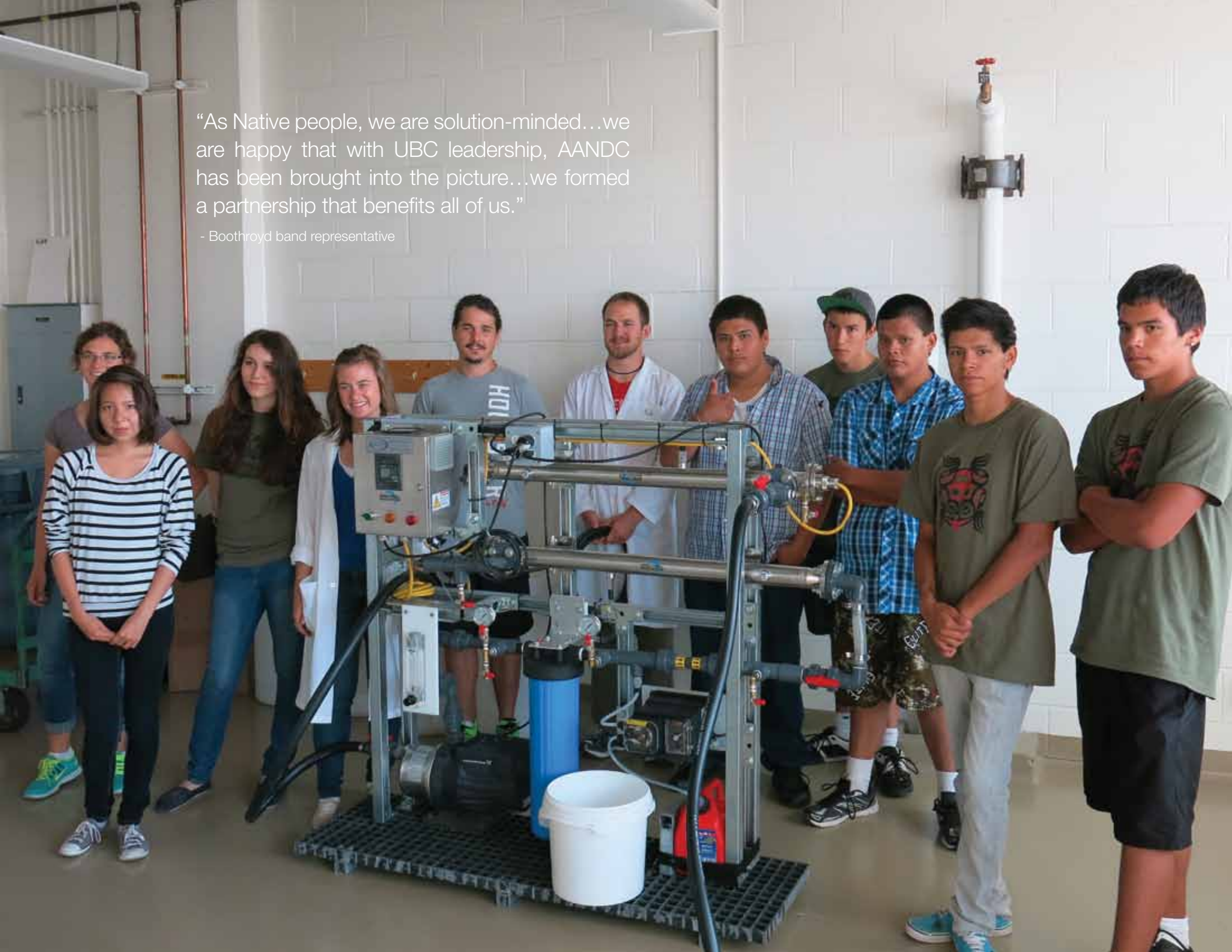
**Dr. Mike Van der Loos** is leading a team of engineers, physical therapists, design students and industry partners to develop low-cost robotic devices for adult stroke survivors and children with hemiplegic Cerebral Palsy (CP) to assist in upper limb therapy. The goal is to use bi-manual controllers with a game platform to motivate therapy clients (patients) to increase their exercise regimen activity at home, improving their ability to regain function and health. Prototype testing of bi-manual game controllers gathered feedback from therapists. In the third year, 20 therapy clients will evaluate the system at home, and researchers will explore commercial development partners.

“All players included on the team, i.e. technology, computer science, kinesiology and rehabilitation professionals, is a key strength...it has been a pleasure to partner with this project.”

- Therapist

“As Native people, we are solution-minded...we are happy that with UBC leadership, AANDC has been brought into the picture...we formed a partnership that benefits all of us.”

- Boothroyd band representative



# About the Institute

## FUNDING

The Institute is fully endowment-funded. The Peter Wall Endowment comprises Peter Wall's original gift of 6.5 million Wall Financial Corporation shares. Peter Wall is a visionary Vancouver property developer responsible for the iconic Wall Centre in the downtown area. The dividends from the shares support programs, the lease and a major portion of the Institute's administration. Interest from the Hampton Endowment, a UBC fund dedicated to the Institute in 1994, supports programs.

## GOVERNANCE

The governing body of the Peter Wall Institute for Advanced Studies is the Board of Trustees, as specified under the Deed of Trust for the Establishment of the Peter Wall Endowment, 1991. Since January 1, 2005, the Institute has, for routine matters, reported to the Office of the UBC Vice President Research and International. Financial matters, including investments, are first discussed by the Management Committee and then brought to the Trustees for approval or information. An International Academic Advisory Committee of the Institute offers advice to the Board on academic programs. In 2013, the Board of Trustees approved a long term vision and three-year action plan for the Institute, which is being implemented in 2014.



## TRUSTEES

The five Trustees are the UBC President, two UBC appointed Trustees, and two donor appointed Trustees.

**Dr. Stephen Toope**, UBC President

**Peter Dauvergne**, Director, Liu Institute for Global Issues

**Dr. Anne Martin-Matthews**, Professor, Department of Sociology and former Scientific Director of the Institute of Aging

**Bruno Wall**, President Wall Financial Corporation, Donor Family

**Ms. Sonya Wall**, Donor Family

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**Dr. Derek Gregory**, Peter Wall Distinguished Professor and Professor, Department of Geography

**Dr. John Hepburn**, Vice President Research and International, UBC

**Dr. Janis Sarra**, Director, Peter Wall Institute for Advanced Studies and Professor, UBC Faculty of Law

## MANAGEMENT COMMITTEE OF THE BOARD OF TRUSTEES

**Mr. Ian Burgess**, UBC Comptroller

**Dr. Anne Martin-Matthews**, Professor, Department of Sociology, Trustee

**Dr. Janis Sarra**, Director, Peter Wall Institute for Advanced Studies and Professor, UBC Faculty of Law, *ex officio*

**Mr. Peter Smailes**, UBC Treasurer

**Mr. Bruno Wall**, President, Wall Financial Corporation, Donor Family

**Ms. Sonya Wall**, Donor Family

## INTERNATIONAL ACADEMIC ADVISORY COMMITTEE

**Dr. Peter Goddard**, Professor, School of Natural Sciences, Institute for Advanced Study, Princeton and past Director, Institute for Advanced Study, Princeton, United States

**Dr. Lizabeth Cohen**, Dean, Radcliffe Institute for Advanced Study, Harvard, United States

**Dr. Philippe Sansonetti**, Professor of Microbiology, Collège de France, Paris, France

**Dr. Lap-Chee Tsui**, Vice-Chancellor and President, University of Hong Kong

**Dr. Björn Wittrock**, Principal, Swedish Collegium for Advanced Study, Uppsala, Sweden

**Dr. Heather McKay**, Professor, Faculty of Medicine, Departments of Orthopaedics and Family Practice, and Director, Centre for Hip Health and Mobility, UBC

**Dr. Sally Otto**, Professor, Department of Zoology, and Director, Biodiversity Research Centre, UBC

**Dr. Lawrence Ward**, Professor, Department of Psychology, UBC

**Professor Michelle LeBaron**, Professor, Faculty of Law, and Director, Program on Dispute Resolution, UBC

**Dr. Judy Illes**, Professor, Department of Medicine, and Director, National Core for Neuroethics, UBC

**Dr. Ash Amin**, Chair in Geography, University of Cambridge and former Executive Director, Institute of Advanced Study, Durham University, United Kingdom

**Dr. Eliezer Rabinovici**, Director, The Israel Institute for Advanced Studies, The Hebrew University of Jerusalem, Israel

**Dr. Amin Ghaziani**, Department of Sociology, UBC

## EX OFFICIO

**Dr. Janis Sarra**, Director, Peter Wall Institute for Advanced Studies and Professor, UBC Faculty of Law

**Dr. B. Brett Finlay**, Peter Wall Distinguished Professor, Departments of Microbiology and Immunology, and Biochemistry and Molecular Biology, Michael Smith Laboratories, UBC

**Dr. Derek Gregory**, Peter Wall Distinguished Professor and Professor, Department of Geography

# Committees

## RESEARCH PROGRAM EVALUATION COMMITTEE

The Research Program Evaluation Committee was initiated in early 2012 to propose, review and develop an evaluation process and a comprehensive set of evaluation criteria that may be applied to national programs and international initiatives supported by the Institute.

**Dr. Holger Hoos**, Professor, Department of Computer Science, UBC

**Dr. Derek Gregory**, Peter Wall Distinguished Professor and Professor, Department of Geography, UBC

**Professor Susan Herrington**, School of Architecture and Landscape Architecture, UBC

**Dr. Olav Slaymaker**, Professor, Department of Geography, UBC

**Dr. Ludovic Van Waerbeke**, Associate Professor, Department of Physics and Astronomy, UBC

**Dr. Mark Warren**, Professor, Department of Political Science, UBC

**Dr. Janis Sarra**, Director, Peter Wall Institute for Advanced Studies and Professor, UBC Faculty of Law, *ex officio*

## ARTS-BASED INITIATIVES COMMITTEE

The Arts-based Initiatives Committee was formed in 2012 with the goal of developing program ideas that consider the relationship of both the performing arts and the visual arts with research in the sciences and humanities.

**Dr. Richard Kurth**, Director, School of Music and Professor, Music Theory, UBC

**Dr. Catherine Soussloff**, Professor, Department of Art History, Visual Art and Theory

**Dr. Alfredo Santa Ana**, Peter Wall Institute Composer in Residence

**Dr. Ernest Mathijs**, Associate Professor, Department of Theatre and Film, UBC

**Dr. Bob Pritchard**, Assistant Professor, School of Music, UBC

**Professor Rena Sharon**, School of Music, UBC

**Professor David Metzger**, School of Music

**Dr. Robert Gardiner**, Professor, Department of Theatre and Film

**Dr. Janis Sarra**, Director, Peter Wall Institute for Advanced Studies and Professor, UBC Faculty of Law

**Ms. Paula Rosen**, Songwriter

**Ms. Emily Molnar**, Artistic Director, Ballet BC

## EARLY CAREER SCHOLAR ADJUDICATION COMMITTEE

The Committee is charged with evaluating applications for Early Career Scholar appointments.

**Dr. Max Cameron**, Department of Political Science, UBC

**Dr. Emma Cunliffe**, Faculty of Law, UBC

**Dr. Margery Fee**, Department of English, UBC

**Dr. Joanna McGrenere**, Department of Computer Science, UBC

**Dr. Larry Lynd**, Faculty of Pharmaceutical Sciences, UBC

**Dr. Janis Sarra**, Director, Peter Wall Institute for Advanced Studies, Faculty of Law, UBC

#### NATIONAL ADJUDICATION COMMITTEE:

The National Adjudication Committee is charged with evaluating applications for Distinguished Scholar in Residence appointments.

**Dr. B. Brett Finlay**, Departments of Biochemistry and Molecular Biology, and Microbiology and Immunology, UBC

**Dr. Derek Gregory**, Department of Geography, UBC

**Dr. Judy Illes**, Faculty of Medicine, Neurology, UBC

**Dr. Richard Kurth**, Faculty of Music, UBC

**Dr. Heather McKay**, Faculty of Medicine, Departments of Orthopaedics and Family Practice, UBC

**Dr. Sally Otto**, Department of Zoology, UBC

**Dr. Janis Sarra**, Director, Peter Wall Institute for Advanced Studies (Chair), Faculty of Law, UBC

**Dr. Lawrence Ward**, Department of Psychology, UBC

#### INTERNATIONAL ADJUDICATION COMMITTEE MEMBERS

**Dr. Janis Sarra**, Director, Peter Wall Institute for Advanced Studies, UBC

**Dr. Susanna Braund**, Department of Classical, Near Eastern, and Religious Studies, UBC

**Dr. Guy Dumont**, Electrical and Computer Engineering, Faculty of Applied Science, UBC

**Dr. B. Brett Finlay**, Michael Smith Laboratories, Biochemistry and Molecular

Biology, and Immunology and Peter Wall Distinguished Professor, UBC

**Dr. Derek Gregory**, Department of Geography and Peter Wall Distinguished Professor, UBC

**Dr. Judith Hall**, Departments of Pediatrics and Medical Genetics, UBC

**Dr. Leila Harris**, Institute for Resources, Environment and Sustainability, UBC

**Dr. Karim Khan**, Department of Family Practice and Human Kinetics Program, UBC

**Dr. Carla Nappi**, Department of History, UBC

**Dr. Peter Reiner**, Department of Psychiatry, UBC

**Professor Margot Young**, Faculty of Law, UBC

#### COMMUNICATIONS SUB-COMMITTEE MEMBERS

**Dr. Mary-Lynn Young**, Chair, Associate Dean, Communications and Strategy, Faculty of Arts, UBC

**Dr. Brett Finlay**, Michael Smith Laboratories, Biochemistry and Molecular Biology, and Immunology and Peter Wall Distinguished Professor, UBC

**Dr. Derek Gregory**, Department of Geography and Peter Wall Distinguished Professor, UBC

**Dr. Heather McKay**, Faculty of Medicine, Departments of Orthopaedics and Family Practice, UBC,

**Professor Alfred Hermida**, Associate Professor, School of Journalism, UBC

**Professor Dahmen**, Associate Professor, Architecture and Landscape Architecture, UBC

**Nicola Johnston Beaudoin**, Peter Wall Institute

# The Institute

The Peter Wall Institute for Advanced Studies occupies the two-story East Wing and the top and main floors of the Leon and Thea Koerner University Centre at UBC.

## Institute Facilities

The Institute's office space now includes the offices of support staff and Program Managers and offices for scholars visiting from abroad. With the completion of major seismic upgrades and other recent renovations, an Associate's Lounge is available to all Associates and visiting scholars, which is located adjacent to the Annex. The Associates' Lounge is equipped with work stations as well as a kitchenette. In addition, the Institute recently opened the Peter Wall Ideas Lounge, which is a dining location for all UBC Faculty, their guests and the Institute's visiting scholars.

## The Peter Wall Ideas Lounge

In November 2013, the Institute opened the [Peter Wall Ideas Lounge](#), a dining and meeting location for UBC Faculty and their guests. Surrounded by green space and overlooking terraced ponds, the new Lounge offers breakfast, lunch and tapas in a venue that facilitates the exchange of ideas and fosters collaborative research relationships. UBC Faculty are welcome to bring any guest, including, but not limited to, a spouse, partner, friend, student, or colleague. The Lounge is also open to scholars visiting the Institute.

## Scholars' Area

The top floor houses the office of the Director, the research offices of the Peter Wall Distinguished Professors and Distinguished Scholars in Residence and a lounge for the use of the national and international residential scholars at the Institute.

## Conference Room

The Institute operates a new conference room on the main floor of the University Centre next to Sage. The room can be used for conferences, presentations, meetings, talks and meals. The conference room features a fully integrated and automated audio-visual system. Network connectivity is provided throughout the conference area. When not in use by the Institute for program events, the conference room can be rented by individuals and groups affiliated with the University or for University-sponsored events.

## Seminar Room

Located in the west wing on the top floor, the Seminar Room is for smaller, Institute-sponsored conferences, meetings and talks. The room is bright and overlooks a sweeping ocean and mountain view.

## Guest Rooms

The Institute's four, non-smoking guest rooms and a one-bedroom guest apartment are located in the Annex and are available only for participants in Institute-sponsored programs.





## DIRECTOR



**Dr. Janis Sarra** is the Director of the Peter Wall Institute, a Professor in the Faculty of Law at UBC and is the founding Director of the National Centre for Business Law. She served as Associate Dean of the Faculty of Law until 2007, with oversight of development, strategic planning, alumni relations, career services and communications. She is an

internationally recognized legal scholar in the fields of banking and finance, corporate and securities law, and commercial insolvency law. She held one of the Institute's first Early Career Scholar appointments and served on the Early Career Scholar Adjudication Committee for four years. In 2010–2011, Dr. Sarra was a Peter Wall Distinguished Scholar in Residence, during which time she examined insights and developments in cognitive neuroscience, philosophy, economics, psychology and political science in her research regarding regulatory and private responses to the global financial crisis. She has published eleven books and more than one hundred refereed articles in corporate finance, corporate governance and management, securities law and commercial insolvency law. Dr. Sarra commenced as Director of the Peter Wall Institute for Advanced Studies effective January 1, 2012.

## STAFF



**Emma MacEntee**, Program Manager, National Programs

Emma joined the Peter Wall Institute in 2010 and is responsible for National Programs, including the Institute's Wall Distinguished Scholars in Residence and the Early Career Scholar program. She has extensive experience

at UBC, and most notably, was Administrator at the launch of the Pacific Institute for the Mathematical Sciences, and a Research Administrator at the UBC Department of Family Practice. Emma also worked at the UBC Office of Information Technology for several years on the development of strategic initiatives, and where she spearheaded the development of an IT communications plan for the university. She holds a Master's degree in Library and Information Studies from UBC, and was a librarian with the Provincial Health Services Authority and BC Children's and Women's Hospital.



**Bernadette Mah**, Program Manager,  
Peter Wall Solutions Initiative

Bernadette Mah is the Program Manager for the Peter Wall Solutions Initiative, Exploratory Workshops, Research Mentoring Programs and UBIAS Conference. Prior to joining the Institute in April 2012, she was Project Manager at UBC's Department of Microbiology where she managed two large multi-centre research programs supported by the Gates Foundation's Grand Challenges in Global Health and Genome Canada in the field of genomics and novel anti-microbial therapeutics. Before joining UBC, she managed a technology research and development program for BC companies at the Science Council of British Columbia. She holds a Master's degree in Microbiology and Immunology from UBC.



**Beatrice Gill**, International Program Manager

Beatrice joined the Peter Wall Institute as an International Program Manager in September 2013. Prior to joining the Institute, Beatrice managed multiple programs and projects with the Province of British Columbia's Ministry of International Trade and also had the opportunity to work on the Vancouver 2010 Winter Games with the Ministry of Healthy Living and Sport. Beatrice holds a Master of Arts degree in International Relations from the University of New South Wales (Australia) and a Bachelor of Arts degree from the University of British Columbia. Beatrice has also obtained her Project Management Professional (PMP) certification and is currently working on an Advanced Project Management certification at Stanford University. She is at the Institute on a contract that ends in June 2014.



**Joanne Forbes**, Program Manager, International Programs

Joanne Forbes is the International Program Manager at the Peter Wall Institute. She holds a BSc in Geology from the University of Calgary and an MBA from Simon Fraser University. For 20 years, she worked as an exploration geologist throughout Canada and in South America. She has also served in various management and administration positions with several educational institutions. Joanne has volunteered extensively in her community and has served on numerous corporate and non-profit boards.



**Nicola Johnston Beaudoin**, Communications and Public Relations Manager

Nicola is the Communications and Public Relations Manager at the Institute and a member of the Canadian Public Relations Society of Canada. Prior to joining the Peter Wall Institute in August 2012, she worked in communications and media relations at the Institute for Research on Public Policy. Her foray into public affairs began as a reporter for *The Record in Sherbrooke*, Québec. She later moved to the federal civil service in Ottawa at Aboriginal and Northern Affairs Canada. Nicola is a graduate of Carleton University's School of Public Policy and Administration as well as a graduate of St Francis Xavier University.



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