



PETER WALL
INSTITUTE FOR
FOR ADVANCED
ANCED STUDIES

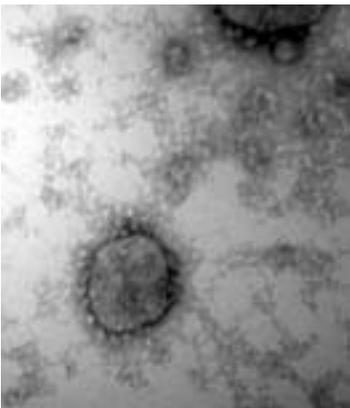
ANNUAL
REPORT

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“The Peter Wall Institute for Advanced Studies supports basic research through interdisciplinary initiatives that have the potential to make important advances in knowledge. The Institute brings together researchers from the University of British Columbia with distinguished scholars from around the world to conduct fundamental research drawing upon and contributing to a wide range of diverse disciplines. The Institute aims to create a community of scholars, composed of outstanding researchers across the whole campus, who will contribute significantly to the intellectual life of the University. Of overriding concern in all Institute activities is excellence in research characterized by being fundamental, interdisciplinary, innovative and unique.”

— **Board of Trustees**
Peter Wall Institute for Advanced Studies
April, 1998



ABOVE AND COVER:

SARS Corona Virus

(Photograph courtesy of Martin Petric,
BC Centre for Disease Control)

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TOP TO BOTTOM:
The late Michael Smith and Lawrence Ward (1999)
Ron Hatch and Akbar Lalani
Tom Smith and Dianne Newell



Michael Smith, the Peter Wall Distinguished Professor of Biotechnology and 1993 Nobel Laureate in Chemistry, featured in Ken MacCrimmon's Director's Message for the 2000–2001 Annual Report. The news was unfortunately sad; Michael had passed away in October 2000, having contributed to the life of the Peter Wall Institute until the week of his death. Michael was very much in our thoughts and activities again this past year. Mike's affiliation from the time of his appointment as Peter Wall Professor in 1994 to the year 2000 brought us honour and provided invaluable assistance at the formative stages of the Institute. He was on board in 1996 when Ken MacCrimmon became the founding permanent Director and led developments in many exciting new directions. Mike was also right there in 1999 when Ken guided the Institute into its new permanent quarters in the Koerner University Centre.

DIRECTOR'S MESSAGE

Dr. Dianne Newell

It was both to honour Michael Smith and to recognize an early milestone for the Institute that we hosted a spring luncheon for the Peter Wall Institute Trustees on the Tenth Anniversary theme. The anniversary celebrated the first two programs of the Institute: The Peter Wall Distinguished Professor and the Major Thematic Grant program. Tony Warren's remarks about Michael Smith at this May 11 event were both moving and hopeful, for they spoke of someone in whom leadership, citizenship, mentorship, and distinguished science scholarship formed an inseparable mix and won him admirers from inside the academy and out. Mike was known as a "scientist's scientist." Doubtless this is why his friends, colleagues, and several foundations and units at UBC sponsored a biography project on his life and it is why the Institute sponsored a launch of the book, *No Ordinary Mike: Michael Smith, Nobel Laureate*, by Eric Damer and Caroline Astell. As the academics, friends, family, and well-wishers gathered in the Institute conference rooms in late May, talk was already in the air about new books to be written and other stories needing to be told about this outstanding professor.

DIRECTOR'S MESSAGE

Talk, new stories, and unique collaborations in the unbounded intellectual space provided by the Institute are the stuff of the five Major Thematic Grant projects that are now officially complete. In different ways, all of these projects continue to produce outstanding collaborations, new scholars and novel directions, and major new programs and centres of innovative research at UBC. With several new MTG applications in the works, we anticipate a new round of major project activity at the Institute next year. This past year has also seen a record number, and with wonderfully rich and diverse agendas, of Institute workshops, theme development meetings, colloquia, and gatherings of Associates for meals and research talks. The Institute's activities and functions embraced such a wide range—everything from modest workshops involving a few dozen scholars who were continuing a long-running conversation on important philosophical matters, other settings where scholars engaged in cross-disciplinary perceptions of angelomorphic figures, to much larger, broad-based, complex workshops tackling contemporary crises in health, such as designing the Canadian blood system for tomorrow, or the crippling effects of a largely unknown epidemic, vicarious trauma. All made rich use of Institute funding and a nurturing environment to pursue fundamental, interdisciplinary, innovative, and unique research. Adding to these impressive offerings, eight Scholars in Residence organized a total of five workshops and symposia. Bi-weekly Faculty Associates' talks continued to be as important and lively, and as well attended by a very diverse group, as ever. In order to preserve a record of these original and distinguished contributions, we now provide abstracts of the talks with the invitations to these gatherings; you will also find them in this Annual Report.

The scholars who participated in our residential programs – Distinguished Professor, Distinguished Scholars in Residence, Early Career Scholars, and Visiting Junior Scholars – kept so much in motion, many questions flying, over the course of the year. There were weekly gatherings of Scholars in Residence with Brett Finlay and the Director; weekend retreats and monthly meetings of UBC Early Career Scholars, a record number of 19 of them distributed across two separate cohorts, which I was privileged to lead; and a month-long intensive Summer Institute with 11 international scholars and five accompanying partners, which I also led. Spontaneous receptions to bring together various components of the residential programs were held in the summer, fall, and spring.

This record of achievement—not all of it measurable by conventional standards—is a tribute not only to the imagination and intellectual ambition of UBC scholars but also to the thoughtful and skillful deliberations of our adjudication and selection committees. I believe that the Peter Wall interdisciplinary committees provide both the occasion and the means with which the Institute is able to identify and promote the excellence and interdisciplinarity that will lead to the breakthroughs in knowledge that former UBC President, David Strangway, and the Peter Wall family had in mind in the early 1990s.

The newest Wall family member to engage in the life and plans for the Institute is Sonya Wall, whose thoughtful, quiet hand this year, at all the critical times, is so appreciated. Brett Finlay, the Peter Wall Advisory Committee he chairs, and the Peter Wall staff have been instrumental in our ability to move forward despite the past uncertainty concerning the Directorship of the Institute. We have a number of new ideas for innovative and novel changes to the Institute's information technology infrastructure and programs, and for connecting the intellectual life of the Wall Institute with innovative international scholarship. I would, however, never underestimate the extraordinary talent in our UBC faculty, especially in those who, like Michael Smith, amongst many dozens of others associated with the Institute, chose to spend their entire distinguished university careers at UBC.

It has been, I must say, quite a year.

RESIDENTIAL PROGRAMS

The residential programs at the Peter Wall Institute bring together distinguished researchers, from the University of British Columbia and around the world, to spend time in residence at the Institute. These residencies, ranging in term from one month to one year (and of varying intensities) encourage the interaction of scholars from a variety of disciplines in exploring new research directions.

These programs are deliberately non-thematic. The scholars are selected on the basis of their individual expertise and interests rather than on the basis of disciplinary background. While there are planned activities and workshops intended to bring people together, there is no expectation of a particular end-product, specific research topic, or common theme.

DISTINGUISHED PROFESSOR

This endowed chair is intended to attract or retain a world-class scholar for appointment as Peter Wall Distinguished Professor. Such a scholar can be expected to have a major impact on broad areas of scholarly work at UBC. The endowment provides five-year term, renewable salary support.

The presence of a Distinguished Professor within the Institute enhances its reputation and provides it with a source of scholarly advice. Such appointments involve University-wide considerations and involve major long-term commitments. The program was established in 1994, originally as two endowed chairs.

From October 2000, with the passing of Michael Smith, Nobel Laureate (Chemistry 1993) and the earlier resignation of Raphael Amit from UBC, there was no re-appointment to this position until July 2002. At that time Martha Piper, President of UBC and Chair, Peter Wall Institute Board of Trustees, appointed Dr. Brett Finlay as the Peter Wall Distinguished Professor. In her remarks at the reception for Dr. Finlay in November of that year, Dr. Piper described the Peter Wall Distinguished Professorship as "UBC's most prestigious honour."



Raphael Amit, Peter Wall, and the late Michael Smith



BRETT FINLAY

Professor, Biochemistry & Molecular Biology, and Microbiology & Immunology, Faculties of Medicine and Science

Dr. Finlay holds UBC appointments at the Biotechnology Lab (soon to be renamed the Michael Smith Laboratories) and in the Departments of Microbiology & Immunology and Biochemistry & Molecular Biology. The University recruited Dr. Finlay as an Assistant Professor in 1989 and appointed him Peter Wall Distinguished Professor in July 2002.

His areas of research interest and accomplishment include host–parasite interactions of pathogenic bacteria, especially enteric bacteria, pioneering the use of polarized epithelial cells as models to study pathogenic bacteria penetrating through epithelial barriers. His lab's current projects include “*Salmonella* as a model intracellular pathogen” and “Enteropathogenic and enterohemorrhagic *E. coli*.” The bovine *E. coli* vaccine that he developed is being made available as a commercial product. Dr. Finlay is co-founder and chair of the Scientific and Medical Advisory Board of Inimex Pharmaceuticals, Inc., whose mission it is to develop new therapies for infectious diseases.

Dr. Finlay is also Director of the \$2.6 million provincial SARS Accelerated Vaccine Initiative (SAVI), whose mission since its founding in May of 2003 has been to identify and develop a human SARS vaccine as rapidly as possible. This project has been immensely successful, demonstrating that rapid response research and emergency management could be applied to research problems. The team produced three vaccine candidates within six months, which tests within a year showed efficacy in relevant animal models.



From this experiential setting, Dr. Finlay has involved himself in broadening this line of research at UBC, expanding it to the area of emerging infectious diseases generally. His interactions at the Peter Wall Institute have encouraged him to include the social sciences and humanities in planning emerging infectious diseases research at UBC. He also is the lead investigator on several emerging infectious diseases (EID) grants that include many UBC investigators.

Dr. Finlay is an active participant in Institute functions and meets regularly with the various Associates and the Scholars in Residence. Embarking on a new scheme, he recently founded a woodwind quintet ("A Long Time Ago"), and a blues/jazz band ("@ The Wall"), with Institute Associates. Both groups will play at various Institute functions. He has worked closely with the Director, Dianne Newell, and the Peter Wall Advisory Committee regarding various aspects of Institute programming. He co-chaired the Peter Wall Director search committee. He has represented the Institute at many forums at UBC, including presentations to the UBC Board of Governors, and many national and international talks and meetings. He also won prestigious prizes and awards, including the Canadian Institutes of Health Research top award, the Michael Smith Prize in Health Research in 2004.

DISTINGUISHED SCHOLARS IN RESIDENCE

This program was developed to bring to the Institute outstanding, tenure-track UBC Faculty members with excellent research records and commitment to interdisciplinarity. Each Scholar is given a research office and infrastructure budget of \$12,000 (for 2003–04). The Distinguished Scholars in Residence each give a lecture on their research and are encouraged to plan a research-related event, such as a lecture series or workshop, during their tenure at the Institute. An additional budget of \$5,000 is provided for each Scholar's Institute project. The Scholars in Residence, Peter Wall Distinguished Professor, and Institute Director have regular weekly meetings to discuss research issues.

The residency period is the calendar year. The Scholars in Residence during the January 1–December 31, 2003 period were Joan Anderson, Kenneth Craig, Sherrill Grace, and David Ley. (For details on these scholars and their projects see the 2002–2003 Annual Report). Details of the Scholars' Workshops by Joan Anderson, October 2003, appear on page 11, and that of Sherrill Grace, February 2004 (integrated with her Exploratory Workshop, "Putting a Life on Stage"), on page 27.

Applications for this program are received in mid-May; the invitations are issued in July, and the residency begins January 1. The Senior Selection Committee chooses the Distinguished Scholars in Residence primarily on the candidates' research attainments, current projects, proposed research, and planned events for the year in residence. The committee also takes into account how well the research matches the mandate of the Institute to support work that is both basic and interdisciplinary.

DISTINGUISHED SCHOLARS IN RESIDENCE

**SUSAN BOYD**

Professor, Chair in Feminist Legal Studies, and Director of the Centre for Feminist Legal Studies, Faculty of Law

Professor Boyd is internationally recognized as the leading feminist family law scholar in Canada; she is also the country's leading researcher in the area of child custody law. She works within the interdisciplinary socio-legal studies stream of legal research as well as within feminist studies generally. She came to UBC as Chair in Feminist Legal Studies in 1993.

In the 1980s Professor Boyd began researching the field of child custody law, using it to explore the ways in which women's work and men's work were dealt with in social and legal narratives. This work resulted in her book, *Child Custody Law and Women's Work* (Oxford University Press, 2003), which ranks among the most important interdisciplinary texts in the family law field. It was nominated for the Walter S. Owen Book Prize. After taking up the newly endowed Chair in Feminist Legal Studies at UBC, she directed a SSHRC-funded collaborative research project that produced the edited collection, *Challenging the Public/Private Divide: Feminism, Law, and Public Policy* (University of Toronto Press, 1997).

At the Institute Professor Boyd is completing two collaborative, SSHRC-funded projects, writing two articles, and co-editing two collections. She organized a Peter Wall Distinguished Scholar's workshop on the research: "Feminism, Law, and Social Change: (Re)Action and Resistance," May 7–8, 2004. (See page 12 for details.)

RESIDENTIAL PROGRAMS



MURRAY ISMAN

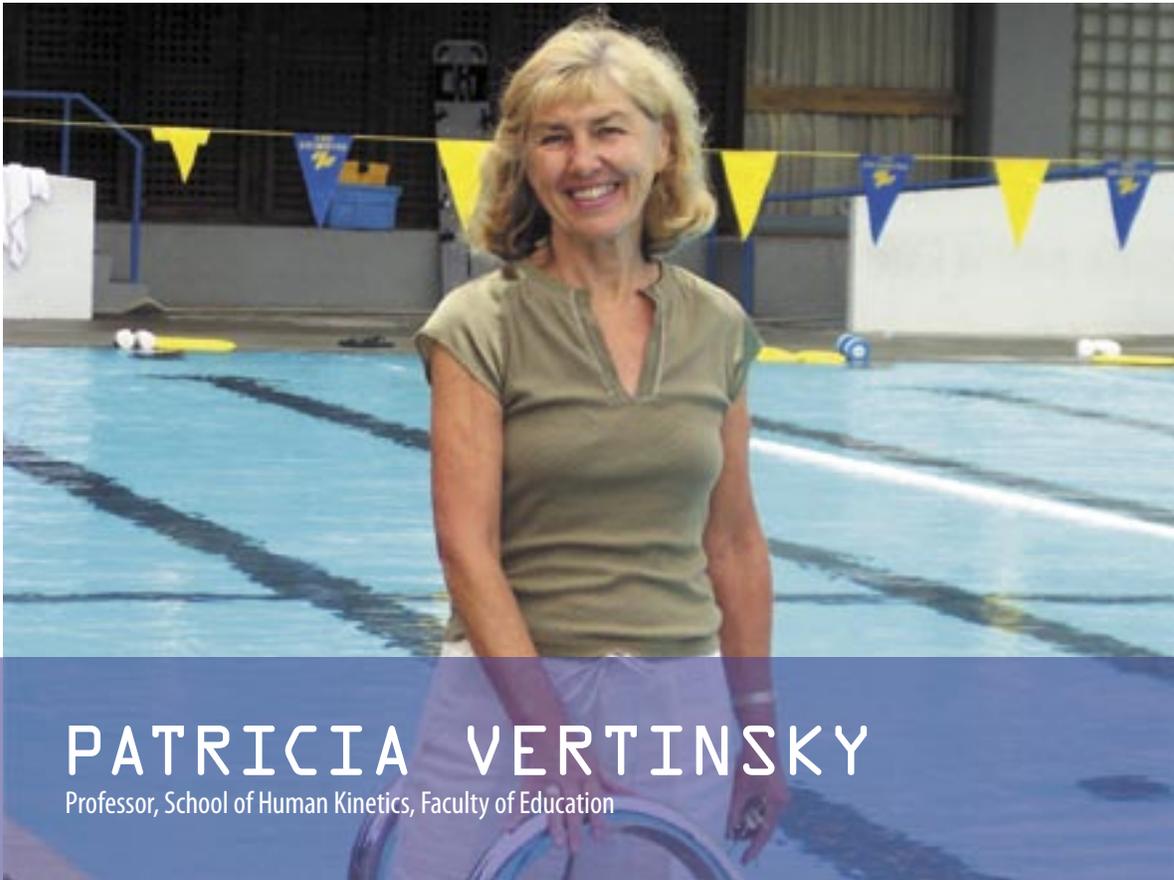
Professor, Agroecology Program, Faculty of Agricultural Science

Dr. Isman is among the leading figures worldwide in the field of chemical ecology. His research represents a combination of insect behaviour and physiology with plant chemistry and toxicology. His impact on chemical ecology, manifested in the more than 100 peer-reviewed scientific papers he has written, has been enormous. He is one of a handful of investigators experienced in working at both basic and applied levels and is one of the most renowned investigators of the insecticidal potential of neem, among the most promising natural pesticides in North America in a half-century. He came to UBC as Assistant Professor in 1983.

Dr. Isman has edited two widely-cited collections in the area of chemical ecology, serves on the editorial boards of five journals, and has been president of three scientific societies: the Entomological Society of British Columbia, the International Society of Chemical Ecology, and the Phytochemical Society of North America (where he was the first entomologist to hold the position).

He is taking advantage of his time at the Institute to expand his basic investigations of insect behaviour to explore learning and memory in caterpillars and moths.

DISTINGUISHED SCHOLARS IN RESIDENCE



PATRICIA VERTINSKY

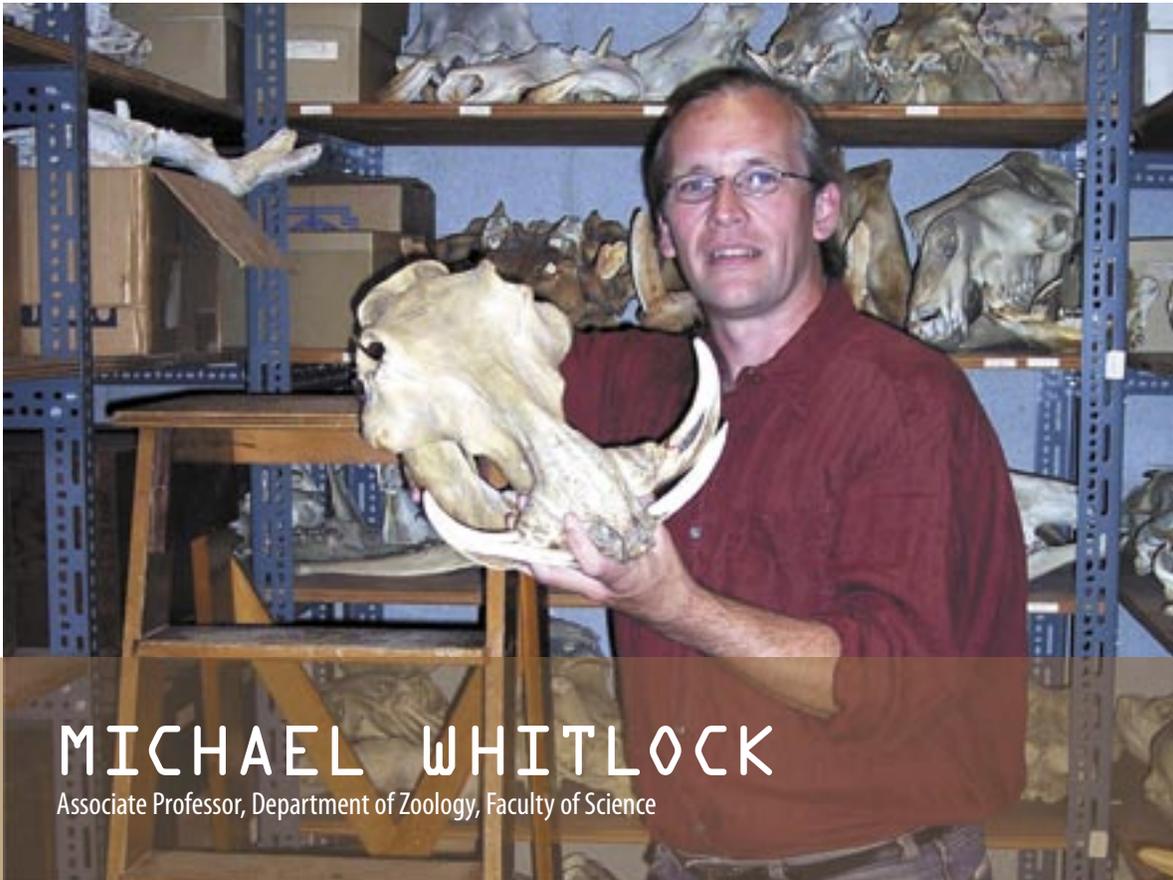
Professor, School of Human Kinetics, Faculty of Education

Dr. Vertinsky is regarded as perhaps the most influential thinker and producer in the fields relating to sports studies, cultural studies, and the body/society paradigm. She is a social and cultural historian whose research is located at the centre of an upsurge of interdisciplinary interest in the body and its role in society, which is now seen as central to much contemporary thought and practice in medical science, educational practice, feminism, technology, and health. It is a subject that bridges the sciences, the humanities, and the social sciences and professions. Dr. Vertinsky came to UBC as Assistant Professor in 1975.

Her co-edited collections, *Sites of Sport: Space and Place and Experience*, and *Disciplining Bodies in the Gymnasium: Memory, Monument, and Modernism*, appeared in the spring of 2004.

She has many publications, honours, and awards, including election as a Fellow of the American Academy of Kinesiology and Physical Education and to the College of Fellows of the European Committee for Sport History. She is Past-President of the North American Society for Sport History and Vice-President of the International Society for the History of Sport. She is also a UBC Distinguished University Scholar.

At the Institute Patricia is completing her research and book on the Dartington Hall (England) project, which focuses on the 'educating' of the British Body in the inter-war years. Dr. Vertinsky recently planned a Peter Wall Distinguished Scholar in Residence Conference on her co-edited book (2005) project, "Physical Culture, Power, and the Body" for October 15-16 2004, which will be described in our 2004-05 Annual Report.



MICHAEL WHITLOCK

Associate Professor, Department of Zoology, Faculty of Science

Dr. Whitlock is regarded as being in the top tier of evolutionary geneticists in the world. He is able to do both theoretical and empirical work that is fundamental. He is best known for his research on the evolution of spatially structured populations. He took up his UBC appointment as Assistant Professor in 1995.

Dr. Whitlock has played a starring role in a major advance in evolutionary biology over the last 10 years: the development of 'metapopulation' biology. His work has produced a series of landmark results that show how basic features of evolution depend on spatial structure, a topic now on the cutting edge of evolutionary biology. A second theme in his research is how selection and random genetic drift can generate new adaptations; his work in this area is considered the leading and most influential in the field. A third research direction with an applied impact is conservation biology: "How small a population can be before extinction is inevitable."

He has published a flood of key contributions that have measurably advanced each of the three research directions; he has been also associate editor of top-tier journals, *Evolution*, *Heredity*, and the *Journal of Evolutionary Biology*.

As a Peter Wall Scholar in Residence he is writing an extensive book on statistics in biology. His Peter Wall Distinguished Scholar's project was to organize the first meeting of the evolutionary biologists of the Pacific Northwest: "EVO-WIBO 2004: Evolutionary Biology in the Pacific Northwest," April 17–18, 2004. (See page 12 for details.)

WORKSHOPS

Distinguished Scholars in Residence are encouraged to plan a research-related event, such as a lecture series or workshop, during their tenure at the Institute. During 2003–2004, five such events were held. Four are described below; the fifth, organized by Sherrill Grace (2003 Scholar), is included in the section on Exploratory Workshops. (See page 27 for details.)

Re-Imagining Community: Decolonization, Post-Nationalism, Healing, and Well-Being

Organized by Joan Anderson, 2003 Scholar

October 2–4, 2003

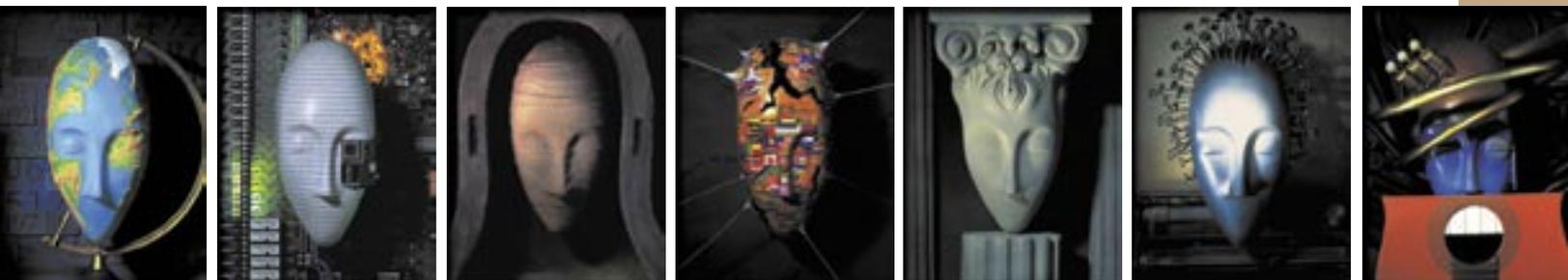
Current events everywhere reflect tensions and dilemmas of the postmodern and neocolonial epoch that have far-reaching implications for healing, health, and well-being. The multi-disciplinary, international participants of this weekend “think tank” were invited to envision the possibilities for addressing contemporary issues through a new agenda of critical inquiry and research. Two leading thinkers on the subject delivered public talks: **Veena Das**, Professor and Fellow, Institute of Socio-Economic Research on Development and Democracy, Delhi, India and Drieger-Eisenhower Professor of Anthropology, Johns Hopkins University, and **Alphonso Lingis**, Emeritus Professor of Philosophy, Pennsylvania State University.

Science Envy

Organized by David Jones, Michael Church, Dennis Danielson, and Dianne Newell, 2002 Scholars

October 16–18, 2003

The four Scholars in Residence for 2002 conceived this symposium during their year together at the Institute and as a group dedicated their Institute project grants to it. The topic “Science Envy” refers to the twentieth century emphasis of science over other disciplines and the consequent changes in the humanities, social sciences, and even in science itself. Excellent and diverse speakers included **Sandra Harding**, a noted feminist philosopher of science from UCLA, and **Paul J. McAuley**, a former British research biologist turned award-winning science fiction author, who also participated in the public panel moderated by Ken MacCrimmon: “Science Envy: Debating Its Place in the Academy, the Popular Imagination, and the Public Realm.” The Peter Wall Institute; the Faculties of Arts, Graduate Studies, and Science; the VP Academic and VP Research; and the Leon and Thea Koerner Foundation provided additional funds.



Art and Photographs by 2nd Globe

RESIDENTIAL PROGRAMS

EVO-WIBO 2004: Evolutionary Biology in the Pacific Northwest

Organized by Michael Whitlock, 2004 Scholar

April 17–18, 2004

Dr. Whitlock's Institute project funds helped to launch the first of a regular series of meetings of the evolutionary biologists of the Pacific Northwest region. The meeting took place at Fort Worden State Park Conference Center in Port Townsend, Washington. The name EVO-WIBO stands for "Evolution – Washington, Idaho, British Columbia, and Oregon." A sign of success, 139 researchers heeded the organizers' call to "come be part of a new beginning." They represented 22 schools and research centres and seven states and provinces. The workshop included discussions; poster sessions by faculty, postdoctoral researchers, and graduate students; and a town hall meeting. **Joe Felsenstein**, Professor of Genome Sciences and Biology and Adjunct Professor of Computer Science and Statistics, University of Washington, delivered the plenary lecture.



Feminism, Law, and Social Change: (Re)Action and Resistance

Organized by Susan Boyd, 2004 Scholar

May 7–8, 2004

Sessions of the workshop addressed the central theme of "backlash"—for example, sites of backlash within the media, family law, and sexual harassment policies on university campuses. Strong central themes to emerge were the strength but uneven nature of the backlash towards feminism over the past 30 years and the practice of fathers' rights groups and other "backlash" advocates to co-opt the language of liberal feminism in order to further their own arguments. Also considered was the process of rendering women and women's experience invisible (sexual violence, children and family), and the role of law and family policy in that erasure. A session on distinct areas of law that point to the fragility of feminist successes in law, and a public panel that dealt with some of the macro trends that shape the backlash debate, rounded out this well-attended meeting. The Centre for Feminist Legal Studies (UBC), Feminist Institute for Studies on Law & Society (SFU), Research Services (UBC), and SSHRC assisted with the funding.

EARLY CAREER SCHOLARS

The Early Career UBC Scholars program, active since 2000–01, brings together outstanding tenure track faculty from diverse disciplines at the early stages of their careers at UBC. Successful candidates become Faculty Associates of the Institute.

For the participants, the goals of this program are to (1) gain exposure to research from across the University, (2) interact with excellent peers across a wide variety of disciplines, (3) explore the connections of their own research with the work of others which they might not ordinarily encounter, (4) learn about the research infrastructure at UBC, and (5) provide recognition and a modest stipend (\$5,500 in 2003–04) to support research.

For the University and the Institute, the goals are to (1) help promote interdisciplinary research, (2) encourage an identification with the University as a whole, (3) provide awareness of the activities of the Institute, and (4) contribute to the overall research accomplishments at UBC. Applications to the program are invited in January with selections made in April. The program is for one academic year, September to August. Scholars may receive this award only once.

ASSOCIATE PROFESSORS

Daphna Arbel (Classical, Near Eastern & Religious Studies) – Daphna received her PhD in Religious Studies from Hebrew University of Jerusalem in 1997, and was appointed Assistant Professor by UBC in the same year. She holds a BA in Theatre and Education and worked in TV production for several years. Her dissertation examined a specific body of Jewish literature of late antiquity known as the *Hekhalot* and *Merkavah* literature, offering a new interpretation of it. Revised and extended, the research was published as *Beholders of Divine Secrets: Myth and Mysticism in the Hekhalot and Merkavah Literature* (Albany: SUNY Press, 2003). She also studies depictions of women in sacred texts and the manner in which these have affected contemporary Western conceptions of women. In particular she focuses on one figure, Eve, treating mythological, literary, and iconographical representations of her and the ways in which her role has been transformed over the ages in narratives and pictorial images. Her new research project investigates the depictions of semi-divine powers present in the Jewish literature of late antiquity and explores possible sources which may have inspired these depictions. Her recent articles appear in *Aram* and *Studies in Spirituality*.

Vanessa Auld (Zoology) – Vanessa received her PhD in Medical Biophysics from the University of Toronto in 1990. Her degree work was on cloning and then characterizing the voltage-gated sodium channel, the protein responsible for conducting the electrical signal along neurons and which is the basis of nervous system signaling. She switched fields for her postdoctoral work at Berkeley, examining development of the nervous system in an animal model where the function of a protein could be studied in the context of its normal cellular setting: the fruit fly, *Drosophila melanogaster*. Working in the large, well-funded lab at Berkeley was, she notes, an amazing experience for a researcher coming from the Canadian system. Experiments were never limited by lack of funds; there were support staff for mundane tasks, and the intellectual environment was incredibly stimulating. In 1994 Vanessa received an NSERC Women's Faculty Award and a tenure track appointment at UBC. She was able to bring her entire Berkeley project with her to the province where she was born and spent her early years. Vanessa has been the "Genetics Columnist" with the CBC Radio One program since 1997. She publishes in top journals such as *Cell*, *Genetics*, *Journal of Cell Biology*, *Neuron*, and *Science*.

RESIDENTIAL PROGRAMS

Catherine Dauvergne (Law) – Catherine received her PhD in Law from Australian National University in 2000 before taking up a position as Associate Professor and Canada Research Chair at UBC. She works in the areas of immigration and refugee law and in legal theory. This year she organized a lecture series at St John's College, was an active member of the management committee of the Centre for Australian Research and faculty advisory committee for the Individual Interdisciplinary Graduate Studies program, and the steering committee for the Centre for Feminist Legal Studies. She is involved in three on-going research projects: one concerns globalization and illegal migration; the second is an international collaboration about how refugee law is applied to lesbians and gay men; and the third is a Status of Women Canada project investigating how Canada's new Immigration and Refugee Protection legislation affects women seeking asylum in Canada. In January 2004 she convened the workshop: "Illegal Migration and Globalization." She publishes in *Osgoode Hall Law Journal*, *International Journal of Refugee Law*, and *International Journal of the Sociology of Law*.

Antony Hodgson (Mechanical Engineering) – Tony received his PhD in the Medical Engineering and Medical Physics Program at Harvard and MIT in 1994. After clinical postdoctoral work in biomedical engineering at Clemson University and the Greenville Hospital System in 1995, Tony took an appointment as Assistant Professor at UBC. He is Vancouver born and raised. The doctoral program at MIT introduced him to the world of medicine and the opportunities for engineering in it. He completed partial medical training, worked in England with a medical robotics company, and produced his thesis on human motor control in the Biomechanics and Rehabilitation Engineering lab at MIT. At UBC he enjoys opportunities to explore the connections between human motor actions, robot motion, and surgical practice through new projects in a wide range of areas including air-muscle powered robots, which are compliant like humans; computer-assisted surgical systems, which help surgeons properly align artificial knee implants; and surgical simulators, which help train surgeons to perform difficult minimally invasive procedures. He publishes in *Journal of Robotic Systems*, *Disability and Rehabilitation*, *Medical Image Analysis*, and *Journal of Trauma*.

Timothy James Kieffer (Physiology and Surgery) – Tim received his PhD in Physiology from UBC in 1994. After postdoctoral work in the area of molecular endocrinology at Massachusetts General Hospital and Harvard Medical School, then a Research Associate position at the Howard Hughes Medical Institute, he was appointed Assistant Professor in the departments of Medicine and Physiology at the University of Alberta in 1998. UBC appointed him Associate Professor in 2002. His doctoral research focus was a hormone involved in glucose regulation, termed GIP, and at Alberta he focused on diabetes. At UBC he established the Laboratory of Molecular and Cellular Medicine. His research goal is to develop improved therapies, or ultimately a cure, for diabetes. Along with a postdoctoral fellow who worked with him at Alberta, Tim started a biotech company, enGene, Inc., the goal of which is to develop and commercialize novel gene therapy methods for delivering therapeutic peptides to treat metabolic diseases such as diabetes and obesity. He publishes in *Fish Physiology & Biochemistry*, *Endocrinology*, and *American Journal of Physiology*.



EARLY CAREER ASSOCIATE SCHOLARS

Gail Murphy (Computer Science) – Gail received her PhD in Computer Science from the University of Washington in 1996. Between her undergraduate degree and graduate school, she was a senior software engineer at MPR Teltech, a telecommunications research and development company located in Burnaby BC. At UBC, where she was appointed Assistant Professor in 1996, her research and teaching focus is software engineering. The focus of projects in Gail's research group is methods and tools to assist software developers manage and evolve the structure of the systems they are developing both at design time and in source code. Since new methods and tools have little value unless useful to "real" software developers, her group is also developing assessment methods to understand how to better validate software engineering research results. Gail has served on numerous program committees for the leading conferences in software engineering research; she is the general chair for the 2004 Aspect-Oriented Software Development Conference, to be held in Lancaster, England, and she recently completed a term as the Associate Head of the Graduate Program in Computer Science. Her work appears in prestigious refereed software engineering conference publications.

Tim Oberlander (Pediatrics and Children's & Women's Health Centre of BC) – Tim has an undergraduate degree in history, and completed his MD at Queen's University in 1985. He completed residencies and research fellowships at Montreal Children's and Jewish General hospitals, Montreal, and Children's Hospital, Harvard. He was appointed Assistant Professor at UBC in 1993. He is both a clinician (developmental pediatrician) and a medical researcher. As a clinician he wears two hats: assessing and managing children with prenatal drug and alcohol exposure, and serving as an attending physician with the Complex Pain Service. As a researcher he examines how early fetal and postnatal experience influences the development of biologic and behavioural outcomes during childhood. He uses an integrative bio-behavioural approach to understand development that extends from genetic levels to entire neural systems, and includes functional outcomes that reflect both basic mechanisms and the environmental context of the child. The focus of his research includes infant development and prenatal psychotropic medication exposure; pain and children with developmental disabilities; and cardiac autonomic reactivity and child development. He received a HELP (Human Early Learning Partnership) Senior Scholar Award in 2002. He publishes in *Pediatrics*, *Pain*, *Pain Research & Management*, *Journal of Infants and Young Children*, and *Clinical Journal of Pain*.

Rusung Tan (Pathology) – Ru received his PhD in Immunology from the Institute of Molecular Medicine, Oxford in 1999, and has degrees from UBC in Physiology and in Medicine. Ru was born in Singapore and raised in the Okanagan Valley. As a medical doctor he worked in hospitals, practiced family medicine, and returned to residency training, before he was turned on to basic research. He was appointed by UBC as Assistant Professor in 1997. He is also a medical microbiologist at B.C. Children's Hospital. Along the way, he founded a private travel medicine clinic, Travel Medicine & Vaccination Centres, a highly successful network that in 2004 is celebrating its 13th anniversary. He publishes in journals such as *Blood*, *Nature*, *AIDS*, *Clinical Infectious Diseases*, and *Journal of Immunology*.



ASSISTANT PROFESSORS

Siwan Anderson (Economics) – Siwan received her PhD in Economics from UBC in 1999. Before joining UBC faculty in 2002, she was a postdoctoral fellow at the University of Namur, Belgium and a Research Fellow at the University of Melbourne, Australia; from 1999 to 2002, she was Assistant Professor at Tilburg University, The Netherlands. Her research focuses on the role of institutions in economic development. In her PhD she studied the institution of dowry, being motivated by the dramatic dowry inflation occurring in India today. Siwan's second project concerns a Kenyan slum. The circumstances of poverty, and the high-risk health and income status of the inhabitants, with no access to formal insurance or credit institutions and little state intervention, encouraged the formation of numerous informal credit groups within this slum community. Analyzing data on the effectiveness of these informal organizations will help us to understand the potential role for more formal institutions. She publishes in *Journal of Environmental Economics & Management*, *Journal of Economics*, and *Journal of Political Economy*.

Mona Berciu (Physics & Astronomy) – Mona was born in Baia Mare, Romania. She completed the MSc and PhD in 1999 at the University of Toronto. Following a postdoctoral appointment at Princeton University, she came to UBC as Assistant Professor in 2002. Mona is a theorist, typically either modelling and explaining new data obtained by experimentalists (the people who actually measure real systems), or developing new predictions of unusual behaviour, which the experimentalists then hope to verify. Her general field is condensed matter, that is, the part of physics dealing with solid matter, as opposed to liquids, gases, and plasma, for example. Her current interests include magnetic semiconductors, high-temperature cuprate superconductors, and photonic crystals. She has published in such journals as *Physics Review* and *Physica*.

Catherine Carstairs (History) – Catherine received her PhD in History from the University of Toronto in 2000. She was a postdoctoral fellow at the Centre for Social Research on Alcohol and Drugs, Stockholm, researching the history of international drug control, then a SSHRC postdoctoral fellow, before taking up her position at UBC in 2002. Her three main research areas at present include revising her doctoral thesis for the book, *Jailed for Possession, Illegal Drug Use, Regulation and Power in Canada, 1920-1961* (University of Toronto Press, forthcoming). The study demonstrates how drug use became much more dangerous after the imposition of strict drug laws in the early part of the twentieth century. She is also working on two papers on international drug control. Her third project is the postwar history of health food in Canada. She publishes in *Addiction Research & Theory*, *Left History*, *Canadian Bulletin of Medical History*, and *Journal of Canadian Studies*.

Julian Dierkes (Institute for Asian Research – Centre for Japanese Research) – Julian received his MA and PhD in Sociology from Princeton University in 2003. Prior to his appointment to UBC in 2002, he was Daiwa Anglo-Japanese Foundation Fellow at the East Asia Institute and Wolfson College, Cambridge. His German (West Berlin) origins, U.S. education, and interests in Japan resulted in his attraction to comparative social science. His dissertation, "Teaching Portrayals of the Nation: Postwar History Education in Japan and the Germans," involved research in Berlin (the Berlin Program for Advanced German and European Studies) and Tokyo (the German Institute of Japanese Studies). Julian teaches in the Institute's Master of Asia Pacific Policy Studies (MAPPS) program and maintains several sociology websites, including the flagship SocioLog (www.sociolog.com). He has published in *Genèses – Sciences Sociales et Histoire* and contributed many book chapters.

EARLY CAREER ASSISTANT SCHOLARS

Doug Harris (Law) – Having previously obtained a BA in History from UBC and LLB at the University of Toronto, Doug practiced law, then returned to UBC for the LLM (1998) graduate research degree in law, and went to Osgoode Hall Law School, York University for the D. Jurisprudence (in progress). From the Master's work came his book, *Fish, Law, and Colonialism: The Legal Capture of Salmon in British Columbia* (University of Toronto Press, 2001), which recounts the human conflict over fish and fishing in British Columbia and of how that conflict was shaped by law. Doug joined UBC's Faculty of Law in 2001. His current research project (and doctoral thesis) is a study of fisheries law, Aboriginal rights, and the Indian reserve allocation process in British Columbia, set in larger theoretical questions about law, territory, and power. He has also published in the *University of British Columbia Law Review*, *BC Studies*, and *Law and History Review*.

Susan James (Counselling Psychology) – Susan received her PhD in Clinical Psychology from the University of Ottawa in 1997. Her interest in cross-cultural research evolved from living in other countries such as Brazil, Nepal, and Algeria. A particular focus of her work is improving the health care that Portuguese immigrants receive through her research on "agonias," a common culture-specific syndrome (translated as "the agonies"). The work began when Susan was an intern at Harvard Medical School in 1995, where she encountered multiple clients complaining of agonias. Agonias is baffling to clinicians because the meaning and symptomatology of it is remarkably idiosyncratic, ranging from indigestion to someone literally "on the brink of death." She continued that research at Harvard on a postdoctorate with Arthur Kleinman, psychiatrist and anthropologist, before working with Richard Shweder, anthropologist and cultural psychologist, at the University of Chicago. She joined UBC in 2002 and received a Michael Smith Foundation for Health Research Scholar Award. In her spare time she is a flying trapeze artist and competitive gymnast. She publishes in such journals as *Social Science & Medicine*, *Family Relations*, *Journal of Family Psychology*, and *Feminist Review*.

Merje Kuus (Geography) – After graduating with a BA from the University of Tartu, Estonia in 1992, Merje came to North America on a U.S. government scholarship to gain her MA at Western Washington University and PhD at Syracuse University in 1999. Before taking up her appointment at UBC in 2002, she held visiting positions at Tallinn Pedagogical University in Estonia and George Mason University in Virginia. Her work focuses on geopolitics, which she defines as an inquiry into the ways in which political practice in the international arena is informed by geographical assumptions about community and belonging. Much of her research draws empirically from east-central Europe. Her work has been published in geographic, international relations, and area studies journals. It has been funded by a Fulbright Fellowship and research grants from the Soros Foundation, the U.S. Institute of Peace, the Institute for Human Sciences at the University of Vienna, and the John D. and Catherine T. MacArthur Foundation. She has served on several review panels convened by the European Commission to evaluate research and conference proposals to the Commission.

Hyung Gu Lynn (Institute for Asian Research – Centre for Korean Research) – Hyung Gu completed the BA and MA in History at UBC, then the PhD at Harvard in 2001. Hyung Gu had the unusual experience (for a historian at least) of working in a literature department at a Korean university for one year (1996–1997), then at an institute of economic research at a Japanese university for three years (1998–2001), before taking up his current post at UBC in 2002. One result of having lived in three language zones was a base in Japanese, Korean, and English at an early age. Not surprisingly, his main research interests revolve around colonialism and globalization, with projects that include the political economy of colonial Korea, 1919-1945 (the subject of his dissertation) and contemporary South Korea–Japan relations. He is Associate Editor of *Pacific Affairs* and publishes in journals such as *Journal of American East Asian Relations*.

RESIDENTIAL PROGRAMS

Christopher W Marshall (Classical, Near Eastern & Religious Studies) – “Toph” received his PhD in Classics from the University of Edinburgh in 1993 and, following a series of sessional positions, a full-time appointment at Memorial University, before taking up his appointment as Assistant Professor at UBC in 2002. During his Master’s program in Classical Archaeology at McGill University, he also started an English-language improvised comedy troupe (something he would continue to do in Edinburgh and Sackville, NB). In his final semester, he directed two Greek plays (in translation) and found his niche. His doctoral dissertation was on Euripides, looking at literary representations of revenge and the way dramatists refer to previous plays and expect the audience to understand the references. Meanwhile, he continued to translate and direct Greek and Latin plays. Toph’s major current research is a book on the stagecraft of the Latin comic playwright Plautus, looking at masks, improvisation, demands made on actors, audience response, and other “practical” considerations that would have been a concern to a director of that era. He is also preparing an edition of some Jacobean mythological plays by Thomas Heywood and has published articles on South Italian red figure pottery and *Buffy the Vampire Slayer*.

Yves Tiberghien (Political Science) – Yves received his PhD from Stanford University in 2002, the year of his appointment at UBC. He also has an MBA and training in genetics. A native of Bretagne, he is a specialist in comparative politics (Japan, Korea, EU, France) and international political economy. His core interest is in the interactions between globalization and domestic politics, and in the debate on the convergence of types of capitalism under financial globalization. His dissertation examines the impact of financial globalization on the politics of corporate restructuring in Japan, France, and South Korea – three OECD countries where the state has historically played an important role in the economy. He has several ongoing research projects, including one on the growing convergence of policy responses to globalization between Japan and the EU, and another, on GMO politics in Japan and the EU, for which he won a large SSHRC Standard Research Grant award in 2004. He has contributed chapters to forthcoming books and is completing his own book manuscript, “Global Capital Flows and the Erosion of the Social Contract.” Yves has been appointed a Harvard Academy Scholar for 2004–06.

Yan Alexander Wang (Chemistry) – Alex received his PhD in Chemical Physics from Indiana University, Bloomington, in 1995 and was appointed at UBC in 2001. He has held postdoctoral fellowship positions at the University of North Carolina and UCLA. As a doctoral student, he wrote several papers in collaboration with Chris Brion, a UBC Professor of Chemistry and Principal Investigator of the Peter Wall Major Thematic project: “Understanding Electron Motion in Matter.” At UBC Alex has already undertaken important cross-disciplinary collaborations with researchers in chemistry, mathematics, computation, biophysics, and materials science. He is already a world leader in the field of orbital-free density functional theory, and he is equally at ease developing practical computer algorithms or writing papers as he is creating formal theories. He has published over 25 papers, which appear in publications such as *Journal of Chemical Physics*, *Journal of Physics*, and *Chemical Physics*.

VISITING JUNIOR SCHOLARS

Beginning in the summer of 1999 through July 2003, the Visiting Junior Scholars program has brought to UBC for one month each summer up to eleven outstanding international scholars at the early stages of their careers. Candidates are nominated by UBC academic units and chosen by the Peter Wall Junior Selection Committee, based on their research excellence and promise, and their fit with the Institute's mandate to support fundamental, interdisciplinary research. The program aims to provide an opportunity for participants to interact with peers from diverse disciplines and for UBC departments to have an opportunity to develop contacts with exceptional new scholars from around the world. The program includes scheduled talks, lectures, and meetings; time is provided for participants to continue their own research and to work with their UBC departmental sponsors.

The competition for the summer of 2004 was suspended due to the uncertainties concerning the directorship. A revised program is expected for 2004–05.

David Auber (France) received his PhD in Computer Science from the University of Bordeaux in 2002. He is a specialist in information visualization and human–computer interaction, and author of “Tulip,” a free software system for visualizing huge graphs.

Nominator: Tamara Munzner, Computer Science.

Thomas Greven (Germany) received the D. Phil. in Political Science from Freie Universität, Berlin, in 2000, where he is Assistant Professor in the John F. Kennedy Institute for North American Studies. A specialist in globalization and labour rights internationally, and comparative studies of the U.S. and Europe, Thomas recently coordinated an international conference entitled: “Canadian Federalism in Perspective.”

Nominators: Philip Resnick, Political Science, and Craig Riddell, Economics.

Rex Kerr (United States) received his PhD in Biology from the University of California, San Diego in 2000, where he is at present a Postdoctoral Fellow with the Shafer Lab. A specialist in the visualization of intracellular processes in single cells of living animals, Rex brought expertise in physics, mathematics, and genetics, which are the areas of his undergraduate degree in science at Berkeley. He published his first paper in *Neuron*, a top-tier neuroscience journal.

Nominator: Catherine Rankin, Psychology.

Sander Koole (The Netherlands) has a PhD in Psychology (2000) from the University of Nijmegen, and is now Associate Professor of Psychology, Vrije Universiteit, Amsterdam. Sander researches in the area of social and personality psychology, where he is developing a new sub-area of social psychology known as Experimental Existential Psychology.

Nominator: Darrin Lehman, Psychology.

Sandra Lavenex (Switzerland) holds a PhD in Social and Political Science (1999) from the European University Institute, Florence, and is Assistant Professor in European Studies & International Relations, University of Bern. Her doctoral thesis, entitled “The Europeanization of Refugee Policies: Between Human Rights and Internal Security,” suggests the scope of her research interests.

Nominator: Sima Godfrey, Director of the Institute for European Studies.

RESIDENTIAL PROGRAMS

Mary Leng (United Kingdom) received her PhD in Philosophy from the University of Toronto in 2001, which she attended on a Canadian Rhodes Scholarship. She has held postdoctoral fellowships at Toronto and the University of California–Irvine, and is at present Fellow of St John’s College, Cambridge for 2002–05. She specializes in the philosophy of mathematics and the philosophical issues in ontology and naturalism.

Nominator: Alan Richardson, Philosophy.

Gavin Shaddick (United Kingdom) received his PhD in Statistics from Imperial College, University of London in 2001, and is at present Lecturer in Mathematical Sciences at the University of Bath. His interests in spatial statistics and environmental and health risk assessment have led to his current research on winter mortality in the UK. He is a member of the International Centre for the Environment.

Nominator: Jim Zidek, Statistics.

Tom Slater (United Kingdom) received his PhD in Geography from King’s College, London in 2003. He is Lecturer at the Centre for Urban Studies, School for Social Policy, University of Bristol. A specialist in comparative urban socio-cultural geography of British and North American cities, the politics of neighbourhood change, and cultural landscapes, Tom received a Leverhulme Trust Study Abroad Scholarship (2000) for research on Toronto neighbourhoods.

Nominator: David Ley, Geography.

Abraham Stone (United States) received his PhD in Philosophy at Harvard in 2000, and is at present Humanities Collegiate Assistant Professor and Harper-Schmidt Fellow in Humanities at the University of Chicago. He works in the area of metaphysics, medical philosophy, philosophy of science, and phenomenology. Abe also has degrees in astrophysics.

Nominator: Mohan Matthen, Philosophy.

Ruth Tincoff (United States) received her PhD in Psychology from Johns Hopkins in 2001. She is a postdoctoral fellow at Harvard. Ruth is a specialist in the human mechanisms underlying speech perception and language processing in infants, and the mother of an engaging toddler, who accompanied her to UBC.

Nominator: Janet Werker, Psychology.

Eddy U (United States) received his PhD in Sociology from Berkeley in 2001. He is at present Junior Resident Fellow at the Oriental Institute, Oxford. With his interests in the intellectual and professional development of China in the Mao era, Eddy joins an emerging scholarship that is redefining the nature of the socialist take-over in the mid-twentieth century.

Nominator: Timothy Cheek, Institute of Asian Research – Centre for Chinese Research.



THEMATIC PROGRAMS

Thematic Programs establish an overall research theme in which scholars with related expertise are gathered together.

MAJOR THEMATIC GRANT

The Major Thematic Grant provides funding of up to \$500,000 over a three-year period to a broad interdisciplinary team of UBC and external scholars to research a new area. Applications are encouraged from interdisciplinary teams that form specifically for the competition as well as from existing research units (Institutes, Centres, etc.). Each member of the core team should be clearly relevant to the proposal and be available to participate actively. The projects are broadly based, though there is no expectation concerning the number of disciplines or faculties to be represented. It should have an overall coherence and should be something more than a straightforward extension of existing work. Applicants for a Major Thematic Grant will first have applied for and undertaken a Peter Wall Exploratory Workshop or an equivalent within the previous two years.

There have been five awards to date.

MAJOR THEMATIC GRANT PROJECT UPDATES

Crisis Points and Models for Decision (1997–2000)

Priscilla Greenwood, Research Professor, Mathematics & Statistics, Arizona State University

Dr. Greenwood reports that, on reflection, the thematic grant kept her at UBC during the period 1997–2000. Otherwise she would have taken earlier retirement, since she did not find the mandatory retirement system at UBC encouraging to a full-steam research career. Crisis Points, on the other hand, provided her an opportunity to lead a different kind of group research activity. It was also supportive to changes in, and broadening of, her research directions. At the end of the grant period she had the opportunity, partly because of her contact with Crisis Points visitor Peter Killeen of the Arizona State University Psychology Department, to make the move to ASU.

While this project concluded formally in 2000, there continue to be many spin-offs. The “Crisis Pointers” with whom she continues to do joint work are Lawrence Ward, UBC Psychology, on topics related to stochastic resonance, and Steve Marion, UBC Health Care & Epidemiology, on stochastic epidemic models. She continues to work jointly, and to exchange major research visits, with former Crisis Points visitors. Many postdoctoral fellows and graduate students with the project have gone on to faculty positions and they, too, have continued to collaborate and write papers with former members of the group.

Dr. Greenwood suggests that the Peter Wall Major Thematic Grant opportunity is best used to give our young people an interdisciplinary experience that is otherwise unavailable. The Crisis Points Group provides an example of the grant being successfully used for the purpose intended, and demonstrates that this can be an excellent investment both in creative research and in the broadening of young and more senior researchers alike.

An Interdisciplinary Inquiry into Narratives of Disease, Disability, and Trauma (1999–2003)

Valerie Raoul, French, Hispanic & Italian Studies and Director of SAGA

The completion of this, our first Humanities and Social Sciences Major Thematic Grant project, resulted both intellectually and financially in a CFI grant that established the Centre for Studies in Autobiography, Gender, and Age (SAGA). A portion of the MTG funding served as matching funds for the CFI. Located on the main floor of the Koerner Library, with 15 workstations, SAGA is now available for use by visiting scholars, faculty members, research assistants, graduate students, and other researchers. SAGA promotes innovative, collaborative, interdisciplinary projects; it has a dual mandate: to preserve a legacy of auto/biographical materials relating to women’s lives and to gather new materials through research projects.

MAJOR THEMATIC GRANT PROJECT UPDATES

Acoustic Ecology (2000-2004)

Bill McKellin, Anthropology & Sociology

The goal of this research team was to understand how humans of all ages listen in the realistic situations they encounter in everyday life. "Acoustic Ecology" is a term that captures a new conceptual approach to human auditory information processing. The project builds on traditional disciplinary research foundations, but uniquely uses interdisciplinary research to reinstate the listener in the listening environment. During 2003–04 the project team examined interlocking issues and research strategies in three areas:

- (1) The psychology of listening: Alan Kingstone, Psychology, continued research on attention, with studies on multimodal attention and its relationship to space.
- (2) Synthesis of complex human and environmental sounds: Kees van den Doel continued his work with the Foley Automatic synthesis system for contact sounds. Thematic Grant funding supplemented by a new NSERC grant enabled this group to continue with the 3D Computer Simulation of the Human Vocal Tract. Oliver Guenther joined the Acoustic Ecology Project in 2003–04 as a postdoctoral fellow. Also, Eric Vatikiotis-Bateson, an expert in multimodal communication, was recruited as a Canada Research Chair in Linguistics as a result of the Acoustic Ecology project.
- (3) Ethnographies of acoustic ecologies: This group continues to analyze data on complex social and cultural settings that are noisy, finding that often they impair hearing.

The American Acoustical Society will hold its 2005 annual meeting at UBC; the research of the Acoustic Ecology project will feature prominently at this meeting.



Computer modelled human face

EXPLORATORY WORKSHOPS

Exploratory Workshops bring together researchers from a wide range of disciplines at UBC and invite them, along with distinguished experts from outside the University, to jointly assess research possibilities and develop a research agenda in a new area. The goal of each workshop is to prepare a broadly-based research proposal.

Typically, the workshop entails a meeting of 30 to 70 scholars over several days at the Peter Wall Institute. Advance planning assures that a core group of UBC researchers will actively participate along with the invited external scholars. Extensive publicity helps to attract researchers in related fields who, while not part of the core team, would make valuable contributions to the research effort. Some aspect of the workshop, such as a keynote address or distinguished panel, should be open to the public.

A theme-based website provides an important and continuing medium for the workshop participants. The website becomes a focal point for UBC and external participants as well as communicating the project to a broader audience. Each theme site is updated by principal investigators on a regular basis and maintained for at least two years beyond the event.

A base level funding of up to \$15,000 for the Exploratory Workshop is provided without the requirement of matching funds. Additional funds from other sources for a specific workshop are matched on a one-for-one basis up to \$10,000 if certain conditions are met. The nine workshops held during this reporting period are described on the following pages (24 through 29).

Biomechanical Aspects of Spinal Cord Injury

Principal Investigator: Thomas Oxland, Orthopaedics and Mechanical Engineering

September 26–27, 2003

Approximately 11,000 new spinal cord injuries (SCI) occur each year in North America. Many of them produce severe physical impairment and disability, often in a youthful and otherwise healthy population. The principal objective of this workshop was to discuss in detail the importance of biomechanics to spinal cord injury and develop research questions that could spawn new international collaborations. Biomechanics implies the response of the cord to mechanical forces or deformations. The importance of the approach is that SCI is almost always caused by an initial mechanical insult – whether from a motor vehicle accident, a sports injury, or a fall. The rationale for the workshop was that the mechanics of the cord and the mechanisms of cord injury have not been addressed in detail by the research community.

Disciplines and perspectives represented included biomedical and mechanical engineering, physics, neurobiology, electrophysiology, rehabilitation, neurosurgery, orthopaedics, public health, and law. Participants included twenty faculty from Canada, USA, Australia, and UK, as well as students and industry representatives. The diversity of topics included prevention, treatment, imaging, outcomes, mechanisms, and modelling.

A significant outcome of the workshop was development of a research agenda on the broad topic of spinal cord injury biomechanics. Most importantly, new international research linkages have been forged and will be further developed via the interactive theme website, SCI Collaborative Web.

The edited papers will be published in a special issue on the topic for the *Journal of Neurotrauma*, with Tom Oxland and David Meaney as guest editors.

Additional funding was provided by UBC, ICORD (International Collaboration on Repair Discoveries at UBC), and Vancouver Coastal Health.

Colour Ontology and Colour Science

Principal Investigator: Mohan Matthen, Philosophy

October 3–5, 2003

The scientific attitude towards colour actually traces back to an earlier philosophical approach. During the “Scientific Revolution” of the seventeenth century, Descartes, Locke, and others proposed that colour was merely a projection onto material objects of sensations within us. Philosophers, on the other hand, have moved to the idea that colours are real properties of objects in the environment, not any kind of reflection of our own perceptual states.

This Exploratory Workshop was the second of two small workshops, the first being at the University of California, San Diego, organized by Dr. Matthen and Dr. Jonathan Cohen a year earlier, where scientists took centre stage. The purpose of the Institute workshop was to hear from the philosophers, particularly in the light of the exchanges of ideas in San Diego. This workshop emphasized short papers, mixing scientific and philosophical presentations in the same session. Topics ranged from colour blindness to a theoretical framework for understanding variations in colour perception across species.

THEMATIC PROGRAMS

Complex Disorders: A New Strategy for Mental Illness

Principal Investigators: William Honer and Anthony Phillips, Psychiatry

October 24-25, 2004

What are complex disorders? Schizophrenia, bipolar disorder, Alzheimer's disease, and other dementias, childhood mood and attention disorders are all "complex disorders." Why "complex"? They are complex in the sense that there is no single gene mutation, experience, or environmental effect that can be pointed to as responsible for any of these disorders: complex disorders are genetic effects *plus* development *plus* experience. Each of these illnesses is in the top ten diseases measured by prevalence, and in the top ten measured by loss of years of healthy life to disease. The workshop brought researchers (from UBC, other Canadian universities, and universities in three overseas countries) with multidisciplinary expertise in mental disorders together with select international authorities. Dr. David Bennett, Rush-Presbyterian, Chicago, gave a plenary, overview lecture on Alzheimer's disease. Dr. Don Paty, Medicine, UBC, gave the other plenary lecture on multiple sclerosis. The workshop goal was to develop an integrated strategy to achieve the needed breakthroughs in research on effective treatments. The perspectives ranged from molecular biology and genetics, to treatment interventions involving cognitive therapy for patients.

The Centre for Complex Disorders, a new initiative of UBC and Vancouver Hospital, proposed the research program for this Exploratory Workshop. The Centre is the focus of two major grant submissions: to the Michael Smith Foundation and to the Canadian Institutes of Health Research.

From Theory to Method and Back Again: Linking Environmental Justice, Population Health, and Geographic Information Science

Principal Investigators: Michael Buzzelli, Geography, and Gerry Veenstra, Anthropology & Sociology

October 29–November 1, 2003

The influence of the physical environment on health is a major concern of epidemiology and public health; the influence of social and economic inequalities on health is a major concern in public health and medical sociology. The dual purpose of this workshop was (1) to develop the mutual advancement of mostly unrelated literatures, namely, environmental justice, place and health, critical social theory, and geographic information science, and (2) to establish an interdisciplinary and international comparative research programme in urban contexts around the world.

Dr. Buzzelli is now taking a closer look at the ways in which social stratification may play the role of effect-modifier and/or confounder in environmental health hazard impacts. This has resulted in modification of existing modelling exercised under current projects and, more importantly, a new original paper addressing the conceptualization of socioeconomic status in environmental health. Dr. Veenstra, with workshop participant Shona Kelly, completed a paper that explores the gendered manifestation of various dimensions of social status in space. Dr. Veenstra also used the workshop as a springboard toward a new research agenda, namely, the application of Pierre Bourdieu's theories of social classes embedded with social space to health inequalities in Canada. Drs. Buzzelli and Veenstra will guest-edit a special theme issue of the international journal *Health and Place*, based on a collection of papers emanating from the workshop.

The World Health Organization (WHO), Department for the Protection of the Human Environment, contributed funds to the workshop, used to sponsor two participants from Europe.

Putting a Life on Stage: Theatre and AutoBiography

Principal Investigators: Sherrill Grace, Susanna Egan, and Ira Nadel, English

February 19–22, 2004

Despite the immense popularity of biography and autobiography today, little research has been devoted to exploring how the theatre addresses the auto/biographical theme or how a play differs from traditional modes of auto/biography. This workshop brought together scholars in biography and autobiography with researchers, performing artists, and critics in all aspects of theatre production in a series of lectures, roundtable discussions, and panels. With their contributions, the Theatre department presented an auto/biographical play, Joy Coghill's *Song of This Place*, at the Frederic Wood Theatre. Participants attended and discussed the play, and Canada's renowned theatre critic, playwright, and actor, Mavor Moore, gave a stunning keynote address, as did actor and playwright Sharon Pollock.

A key participant, Jerry Wasserman, English and Theatre, will edit a collection of the workshop papers.

Funding was received from the Social Sciences and Humanities Research Council of Canada; the Hampton Fund; Canada Council; UBC Canadian Studies Program.



Sharon Pollock, Linda Griffiths, Sally Clark, Lorena Gale, and Veda Hille



Mavor Moore and Joy Coghill

The Future of Digital Libraries in Canada

Principal Investigators: Lee Iverson, Electrical & Computer Engineering, and Brian Owen, Systems Manager, UBC Library

March 11–13, 2004

This workshop explored the tradition of libraries in the world and researched newer models of knowledge-sharing that use a digital environment and are based on interdisciplinary collaboration among individuals and communities. It also identified state-of-the-art work in Canada and elsewhere and assessed the potential for a national research project in which Canada could lead the way. Anticipated outcomes include an application for major funding under the Canadian Government's Networks of Centres of Excellence (NCE) program.

UBC Library provided additional funding support.

THEMATIC PROGRAMS

The Political Economy of Immigration

Principal Investigator: Daniel Hiebert, Geography

19–22 March, 2004

Exploring the complex relationship between immigration, the nature of the state, and the economic incorporation of immigrants (immigration having become a key issue worldwide), this four-day workshop examined how wealthy countries like Canada face the dilemma of creating the right mix of selection and settlement policies. International scholars from nine different countries joined UBC participants in discussion of general conceptual issues, critiquing – and demonstrating the vitality of – the political economy approach as a way of conceptualizing migration, and, finally, focusing on migration issues (1) in North America and Europe, and (2) in Pacific Rim countries. Participants engaged in a field trip to immigrant cityscapes in Greater Vancouver.

A theoretical and empirical agenda for comparative international research on immigrant settlement was developed. Dan Hiebert and participants David Ley and Jan Rath prepared a selection of the papers for a special issue of the international journal of social and economic geography, *Tijdschrift voor Economische en Sociale Geografie*.

The International Council for Canadian Studies provided funding support.

Designing the Canadian Blood System of Tomorrow

Principal Investigators: Ross MacGillivray, Biochemistry & Molecular Biology, and Dana Devine, Pathology & Laboratory Medicine

14–15 June 2004

The Krever enquiry into the tragic tainted blood scandal in Canada identified the need for both natural and social scientific blood-related research. UBC researchers responded by developing a CFI-funded multidisciplinary Centre for Blood Research (CBR) bringing together both fields to examine the blood system and the sociological, psychological, cultural, and ethical issues related to blood research, use, and donation. UBC CBR is becoming a focal point for blood research; the UBC investigators (including graduate students and post-doctoral fellows) and external world experts agreed that out of this large, multidisciplinary Exploratory Workshop evolved an awareness of the complexity of the research issues. They observed that this is a field that spans basic science, cultural values, social structures, and moral/ethical issues. Outcomes of the workshop included a plan for a research vision over the next decade. Eleven external experts joined the workshop. Dr. Graham Sher, Chief Executive Officer, Canadian Blood Services, delivered the keynote address.

Additional funding sources for the workshop included the Canadian Blood Services, UBC Centre for Blood Research, the Canadian Institutes of Health Research, and Heart and Stroke Foundation of Canada Strategic Training Program in Transfusion Science.

RIGHT PAGE:
Ross MacGillivray

Vicarious Exposure to Trauma in the Workplace

Principal Investigators: David Kuhl, Family Practice; Marla Arvay and Marvin Westwood, Educational & Counselling Psychology, & Special Education

June 21–23, 2004

Workers in the helping professions know about the costs of caring—it can be hazardous to your health. Professionals in mental health fields have warned about the secondary effects of witnessing the suffering of others; traumatologists have described this cost as *vicarious traumatization*. Very little is known about the phenomenon outside the field of psychology, and currently there is no empirical research on the construct across disciplines. This workshop brought together a multidisciplinary forum of professionals from medicine, counselling psychology, clinical psychology, corrections, journalism, humanitarian aid, social work, justice, and the military. Following the workshop, researchers continued to meet to discuss research strategies and possibilities. Participants submitted their papers to a special issue on the topic in *Traumatology* (scheduled for spring 2005) and developed a Peter Wall Major Thematic Grant proposal for the fall round, 2004.

International speakers included Charles Figley (Florida State, Traumatology Institute & Psychosocial Stress Research Program), Clinical Psychologist Laurie Ann Pearlman, and Dr. Claire Colliard (World Health Organization and International Red Cross), who gave the public talk, entitled: “Vicarious Trauma Among Humanitarian Aid Workers.”

The office of the Vice-President for Research, UBC, provided additional funds for the workshop.



THEME DEVELOPMENT WORKSHOPS

Theme Development Workshops enable researchers from a variety of disciplines at UBC to get together informally for part of a day to share ideas on researching a particular theme. These workshops are closed meetings that often serve as a first step to preparing an Exploratory Workshop or Major Thematic Grant application. The Institute provides a meeting venue and a light lunch. Applications to this program can be made at any time. This year's workshops were:

Performance and Technology: Interaction and Metaphor with Audience and Users

Coordinator: Sidney Fels, Electrical & Computer Engineering

September 18, 2003

A former Peter Wall Early Career Scholar (2000–2001), Sid Fels directs the Media and Graphics Interdisciplinary Centre (MAGIC) and the Human Communication Technologies Laboratory. This workshop aimed to bring together artists and researchers committed to understanding the symbiosis possible between the two contemporary areas of creative and performing arts and computing-related science and technologies, with a view to developing a Peter Wall Exploratory Workshop application. The initiative stems from Dr. Fels' central involvement in Acoustic Ecology, a Peter Wall Major Thematic Grant project 2000–2004.

Emerging Infectious Disease Initiative

Coordinator: Brett Finlay, Microbiology & Immunology and Biochemistry & Molecular Biology, and Peter Wall Distinguished Professor

September 30, 2003

This breakfast meeting was to plan the interdisciplinary aspects of UBC's submission for a national centre for emerging infectious disease. It was a follow-up to the highly successful Peter Wall Institute symposium, entitled *SARS: An Interdisciplinary Disease*, a spontaneous, interdisciplinary gathering, organized by Brett Finlay and Dianne Newell on June 17, 2003.

Gabfest II: A Working Seminar on the Multimodal Production and Multi-sensory Perception of Communicative Behaviour

Coordinator: Eric Vatikiotis-Bateson, ATR Human Information Science Labs and UBC Cognitive Systems Program

November 11, 2003

Forgoing the usual practice of listening to many talks, the approximately 25 participants from UBC and beyond were invited to give two-minute presentations on any aspect of their research in the general area. This session was followed by a day of 2-hour seminars on topics in the production and perception of multimodal speech and other communicative behaviours. A follow-up lunch-time session, on "Consciousness," was held January 16, 2004, around the visit of Dr. Daniel Dennett, Director of the Center for Cognitive Studies, Tufts, organized by Eric Vatikiotis-Bateson and Ron Rensink, UBC Cognitive Systems Program.

“So-Called Angels:” Perceptions of Angelomorphic Figures

Coordinators: Daphna Arbel and Shirley Sullivan, Classical, Near Eastern & Religious Studies

January 30, 2004

This one-day thematic workshop brought together approximately 15 faculty who spoke on the literary, psychological, religious, cinematic, pop culture, and theatre studies aspects of the perceptions—from the concrete to the abstract—of angelomorphic figures (angels and divine figures) in a variety of traditions, sources, and groups. Dr. Arbel was a 2003-2004 Early Career Scholar.



Marc Chagall, Angel

EU Harmonization or Globalization: Toward a Model of EU Regulatory Policy in Response to Globalization?

Coordinators: Ljiljana Biukovic, Faculty of Law and Institute for European Studies; Sima Godfrey, Director, Institute for European Studies; Yves Tiberghien, Political Science, Institute for European Studies Associate, and Peter Wall 2003–2004 Early Career Scholar

April 16, 2004

This workshop discussed interdisciplinary research, analysis, and policy proposals on global standard setting, asking, for example: How does the EU process of standard setting fit within the larger process of global standard setting? Is the EU promoting convergence or enshrining difference?

Animal Welfare and Conservation Biology

Coordinator: Dan Weary, Agroecology and Centre for Applied Ethics

June 3, 2004

Dr. Weary is NSERC Industrial Research Chair in Animal Welfare. This meeting launched the interdisciplinary “Working Group on Animal Welfare and Conservation,” which aims to stimulate dialogue on animal welfare issues and bring greater knowledge about animals to the debate. As researchers, members of this group are seeking solutions to animal welfare problems that are good for animals and good for society.

COLLOQUIA

These public talks are usually held during the lunch hour at the Institute's conference rooms. The Institute provides short-term accommodation for a distinguished visiting speaker, a meeting room, and a pre-talk luncheon for a small group of invited guests. Applications by faculties, departments, and other academic units may be made at any time. This year's colloquium speakers were:

Marilyn Lake, Professor of History, La Trobe University, Melbourne, Australia, gave a talk on “**Global Histories of Race in the Nineteenth Century: James Bryce, EA Freeman, and Charles Pearson as Historians for the White Man**” on November 24, 2003. It was organized by Catherine Carstairs, History, who is a 2003–2004 Peter Wall Early Career Scholar. Dr. Lake is a specialist in Australian History (nationalism, colonialism) and Women's Studies.

Vernon Rosario, Assistant Professor, Department of Psychiatry, University of California, Los Angeles spoke on “**Intersexes and the Molecular Deconstruction of Sex**” on January 19, 2004. The talk was organized by Margaret Schabas, Philosophy. Dr. Rosario has degrees in Medicine, History of Science, Biomedical Engineering, and French Literature, as well as clinical training in Psychiatry.

Vaughan Black, Professor, Dalhousie Law School, gave a talk on “**Enshrining the Right to Kill: Animals and the Law**” on March 9, 2004. The talk was organized by Christine Boyle, Law. Dr. Black is Walter Owen Visiting Professor, Faculty of Law, UBC, for 2003-2004.

ASSOCIATES FORUMS

This program provides a regular forum for Associates to exchange ideas and knowledge across UBC departments and programs and to get to know other researchers at different stages of their careers. These forums also provide opportunities for Exploratory Workshop Principal Investigators to report on research accomplishments. All Associates are invited to attend. (See pages 43-46 for a complete list of Associates.)

July 9, 2003

Holger Hoos, Computer Science, and 2001-2002 Peter Wall Early Career Scholar

“Combinatorics, Creativity, and Computation: A Guided Walk through an Informatician’s Playground”

This talk had a five-part structure. The Prelude introduced the theme of informatics; three short Movements followed, entitled: “Combinatorial Problems and Stochastic Search,” “Music and the Mind,” and “The Logic of Life”; there followed a brief Coda. Dr. Hoos thereby provided a taste of some of the problems that interest him. They lie in the areas of Algorithmics, Artificial Intelligence, Music, and Computational Biology. The focus of his talk was more on the problems themselves, rather than the particular solutions he has been developing with his colleagues and students. This talk was given on the occasion of the 2003 Peter Wall Junior Visiting Scholars month in residence.

July 16, 2003

Catherine Wilson, Philosophy

“The Confirmation of a Moral Theory”

Moral judgments such as “It is morally permissible to eat meat” or “One should never lie” can be regarded as theoretical statements that philosophers try to confirm or refute. They may even try to disconfirm entire moral theories like Utilitarianism. How is that possible? Moral realists claim that moral judgments are simply true or false, but realism does not help us understand the process of confirmation, or to appreciate its limitations. To understand confirmation *effort*, successful or not, we need to recognize the discursive role of “paraworlds”—fictional worlds resembling ours except that their inhabitants behave in an idealized fashion. This talk was given on the occasion of the 2003 Peter Wall Visiting Junior Scholars month in residence.

September 25, 2003

Lisa Cooper, Classical, Near Eastern & Religious Studies, and 2001-2002 Early Career Scholar

“Lost Civilizations 2003: The Sacking of Iraq’s Glorious Past”

The ransacking of the Iraqi National Museum in Baghdad earlier this year resulted in the loss or destruction of some of the country’s most precious treasures. While many important objects have been recovered since the first reports of lootings, other treasures and thousands of artefacts that constituted the museum’s study collection and the physical archive of the Cradle of Civilization have been destroyed or are missing. No less lamentably, the looters in their attempt to recover precious artefacts favoured for the export market illicitly dug up hundreds of unprotected archaeological sites in Iraq’s countryside. This lecture celebrated Iraq’s fascinating history of human settlement, from its agricultural origins and first cities in the Tigris-Euphrates Valley, to the rise of the great Assyrian and Babylonian empires, and paid tribute to Gertrude Bell, through whose vision the National Museum was established nearly 80 years ago.

THEMATIC PROGRAMS

October 8, 2003

Mohan Matthen, Philosophy

A Report on the Exploratory Workshop: "Colour Ontology and Colour Vision" (See page 25 for details.)

October 22, 2003

Brett Finlay, Biochemistry & Molecular Biology, Microbiology & Immunology, and Peter Wall Distinguished Professor

"A SAVI Response to SARS: Can We Rapidly Develop a SARS Human Vaccine?"

When SARS broke out in Canada, there was a major concern that it would breach containment measures. In response, the British Columbia government funded a \$2.6 million initiative, the SARS Accelerated Vaccine Initiative (SAVI) to employ rapid response research and emergency management techniques to attempt rapid development of a human vaccine. Dr. Finlay offered insights into the various strategies and techniques that SAVI researchers employ in the context of doing science in non-traditional ways, demonstrating that, where warranted, such a rapid response to emerging infectious diseases can be highly successful.

November 12, 2003

Mike Buzzelli, Geography, and **Gerry Veenstra**, Anthropology & Sociology

A Report on the Exploratory Workshop: "From Theory to Method and Back Again: Linking Environmental Justice, Population Health, and Geographic Information Science" (See page 26 for details.)

January 14, 2004

Ron Rensink, Computer Science and Psychology, and 2002-2003 Early Career Scholar

"Making Sense of the Sixth Sense"

We tend to believe that when we use vision to become aware of an event in our surroundings, this must be accompanied by a corresponding visual experience (i.e., seeing). It is shown here that this belief is incorrect. When viewing a sequence of displays alternating between an image of a scene and the same image changed in some way, many observers feel (or "sense") the change even though they have no visual experience of it. This "mindsight" may partly explain our belief in a "sixth sense." Dr. Rensink is a principal designer of COGS 200, the keystone course for all Cognitive Systems stream students; he pioneered the phenomenon known as "change blindness."

January 28, 2004

Patricia Vertinsky, Human Kinetics and 2004 Distinguished Scholar in Residence

"From Dance under the Swastika to Movement Education in English Schools: Re-examining the Legacy of Rudolf Laban"

By all accounts Rudolf von Laban, Germany's most famous theorist of dance, was an extraordinary man—a visionary, a mystic, artist, dancer, choreographer, womanizer, charismatic teacher, and theorist. He led an extraordinary life. But in the decades following his death in 1958 surprisingly few of his pupils or scholars have attempted to analyze his work. Laban became one of a number of Hitler émigrés who were given refuge at Dartington Hall, a unique arts and educational community in the Devonshire countryside of southwestern England. Dr. Vertinsky, an expert in the history and sociology of sport, argued that there did not seem to be a safe guide through the complex and confusing mindscape of Laban. Do dancers, teachers, scholars, students need to know the murky origins of what they do?

February 11, 2004

Tom Oxland, Orthopaedics and Mechanical Engineering

A Report on the Exploratory Workshop: "Biomedical Aspects of Spinal Cord Injury" (See page 25 for details.)

February 25, 2004

Murray Isman, Agroecology and 2004 Distinguished Scholar in Residence

"What a Moth Can Recall from Its Childhood"

Many types of insects are known to modify their behaviour through experience, i.e., they are capable of learning and memory. The selection of an appropriate host plant by a female moth on which to lay her eggs can be crucial to the ultimate survival of her offspring. Most plants are rejected based on chemical deterrents produced by those plants, detected by gustatory receptors ("taste buds") on the moth's front feet. Certain plant substances and extracts, normally deterrent to oviposition (egg-laying), no longer deter and even become attractive to moths who were exposed to low concentrations of those substances or extracts as caterpillars (in the larval stage). Experimental results suggest that this change in behaviour, retained through metamorphosis from caterpillar to pupa to moth, represents long-term memory rather than selection or "chemical legacy."

March 10, 2004

William Honer and **Anthony Phillips**, Psychiatry

A Report on the Exploratory Workshop: "Complex Disorders: A New Strategy for Mental Illness" (See page 26 for details.)

March 24, 2004

Patricia Marchak, Anthropology & Sociology and the Liu Institute; 2000 Distinguished Scholar in Residence

"Destruction and Reconstruction of Societies: Cambodia, Bosnia, and Rwanda"

Human societies are temporary organizations. Under conditions of substantial social change caused by external forces (such as conquest, changes in market demands, environmental change) and/or internal dynamics (like revolution, military coups, collapse of economy), they occasionally break down. Cambodia, Yugoslavia (of which Bosnia was a component), and Rwanda have experienced destruction in the last quarter-century. All experienced crimes against humanity during the destruction. The survivors, together with the international community, are attempting to reconstruct or create new societies on the same territory.



THEMATIC PROGRAMS

April 14, 2004

Susan Boyd, Law, Director of the Centre for Feminist Legal Studies, and 2004 Distinguished Scholar in Residence
“(Re)Forming Post-Separation Parenting Laws: Evaluating the Roles of Social Science and Gender Politics.”

Various factors have influenced recent law reform processes related to child custody and access in Canada: the introduction of child support guidelines, lobbying by women’s groups for greater attention to gendered caregiving patterns and spousal abuse, lobbying by fathers’ rights groups for joint custody presumptions, media attention to so-called “gender wars” over children, law reform developments in other countries, and social science studies of the consequences of divorce for children. This talk assessed to what extent research carried weight in the law reform process and to what extent gender politics mediated the impact of the research.

April 28, 2004

John O’Brian, Visual Art, Art History & Theory
“Atomic Grotesque”

The iconography of atomic explosions began with the first detonation at the Trinity test site in Alamogordo, New Mexico, on July 16, 1945. Photographs of nuclear tests are almost invariably presented and received as spectacles of transcendent nature—sometimes divine, sometimes malign, sometimes benign—rather than as scientific evaluations of manufactured weapons produced by physics and engineering. The meta-symbol of the nuclear spectacle is the “mushroom cloud,” circulated repeatedly by means of reproductive mass media technologies. At this uncertain moment of change in the nuclear landscape, Dr. O’Brian, an art historian, theorist, and critic, shared some of his investigation into the visual imagery of the mushroom cloud and what it avows and disavows.

May 26, 2004

Michael Whitlock, Zoology and 2004 Distinguished Scholar in Residence
“Doubt in Science and the Science in Doubt”

“Science” confronts doubt in a variety of ways, functioning directly and quantitatively, sometimes not. We spend a great deal of effort in quantifying some kinds of uncertainty statistically, but other sources of skepticism are perhaps quantitatively more important but under-documented. Dr. Whitlock, a top evolutionary geneticist who specializes in mathematical theory and empirical research, argued that these other sources of error set a high lower bound to the “effective” P-values we might reach at the end of a study.

June 9, 2004

Brian Owen, Library Systems Manager, Koerner Library; with **Richard Kopak**, School of Library, Archival & Information Studies

A Report on the Exploratory Workshop: “The Future of Digital Libraries in Canada” (See page 27 for details.)

10TH ANNIVERSARY TRUSTEES LUNCHEON

In 1994 the Peter Wall Institute for Advanced Studies at UBC launched its first two programs. They reflect the twin pillars of the Wall Institute programs: the Peter Wall Distinguished Professorships and the Major Thematic Grants. This Tenth Anniversary celebration of interdisciplinary research support by the Peter Wall Institute on May 11, 2004 brought together the Principal Investigators of the five Major Thematic Grants awarded to date and the three Distinguished Professors. The event honoured the Trustees of the Wall Institute: Dr. Martha Piper (Chair), Dr. Akbar Lalani, Mr. Robert Lee, Dr. Les Petersen, and Mr. Bruno Wall. Joining the Trustees were approximately 60 Faculty Associates of the Institute and members of the Wall family.

Following Dr. Piper's remarks on UBC's commitment to interdisciplinarity and its gratitude to Peter Wall for a vision that provided opportunities to support basic research and interdisciplinary initiatives that have the potential to make important advances in knowledge, the principal investigators of Major Thematic Grant projects summarized the achievements of their groups to date. Dr. Pricilla Greenwood spoke for the "Crisis Points and Models for Decision" project (1997-2000), which studied phenomenon which abruptly change when a parameter crosses a critical value. Speaking for the major thematic project "Understanding Electron Motion in Matter" (1997-2000), was Chris Brion, who noted that this international team of researchers represented chemistry, physics, astronomy, AMPEL, and biochemistry. Dr. Ann Rose, speaking for the "Pathogenomics: An Innovative Approach in the Study of Infectious Disease" project (1999-2002), highlighted the lasting effects of the project, for example, establishing the Canadian Bioinformatics Workshops and the Graduate Training Program. Then Dr. Valerie Raoul spoke about the research on stories related to the experience and treatment of disease, disability, or trauma undertaken for the "Narratives of Disease, Disability, and Trauma" project (1999-2003). Dr. Kathy Pichora-Fuller made the final presentation, on the "Acoustic Ecology" project (2000-2004), which has resulted in Canada Foundation for Innovation grants and inter-faculty appointments, among other permanent legacies.

Turning to the Peter Wall Distinguished Professor program, Dr. Brett Finlay (2002-present) reflected on his experience as the current Wall Distinguished Professor. Speaking for the late Dr. Michael Smith (Wall Distinguished Professor 1994-2000) was Dr. Antony Warren, and for Dr. Raphael Amit (Wall Distinguished Professor 1994-2000), Dr. Patricia Vertinsky.

Champagne toasts to "absent friends" and to the Wall Family ended this very special milestone in the life of the Peter Wall Institute.



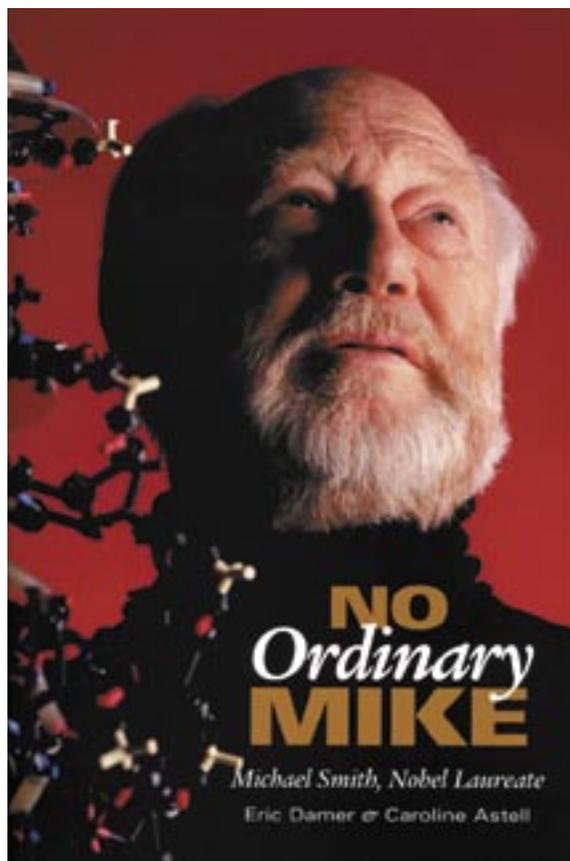
Sonya Wall and Martha Piper

MICHAEL SMITH BIOGRAPHY LAUNCH

On May 20, 2004 the Peter Wall Institute hosted a reception to celebrate the publication of the biography of the late Michael Smith, Nobel Laureate, OC, FRSC, FRS, and first appointee as the Peter Wall Distinguished Professor 1994-2000.

Approximately 100 friends, family, colleagues, and Peter Wall Institute Faculty Associates and Trustees gathered at the Institute to launch this special study of the life of Michael Smith and remember his contributions.

Michael Smith was co-recipient of the 1993 Nobel Prize in Chemistry for his discovery of site-directed mutagenesis, the process by which genes can be changed under laboratory conditions for medical and research purposes. He launched the university's internationally acclaimed Biotechnology Laboratory and brought great distinction to the Peter Wall Institute for Advanced Studies.



No *Ordinary* Mike: Michael Smith, Nobel Laureate
By Eric Damer & Caroline Astell
Vancouver: Ronsdale Press, 2004

FINANCIAL SUMMARY

Funding for the Institute comes from two endowments. The Peter Wall Endowment comprises Peter Wall's original gift of 6.5 million Wall Financial Corporation Shares. The dividends from these shares support the residential programs and a major portion of the Institute's administration. The Hampton Endowment, a \$10 million fund dedicated to the Institute in 1994, supports the Thematic Programs and the balance of the administration costs. The Hampton Endowment is currently (June 2004) valued at approximately \$12.9 million.

For 2003–04 the principal program expenditures were:

Thematic Programs

- \$ 153,000 for nine Exploratory Workshops
- \$ 36,700 for Theme Development Workshops, Colloquia, and Associates Forums

Residential Programs

- \$ 117,000 for the Peter Wall Distinguished Professor
- \$ 79,000 for the Distinguished Scholars in Residence Program (four scholars)
- \$ 114,000 for the Early Career Scholars Program (nineteen scholars)
- \$ 83,000 for the Visiting Junior Scholars Program (eleven scholars)

The Institute leases its research, administrative, residential, and meeting space from the University of British Columbia at an annual rate of \$210,000 for a five-year term, beginning in March 1999. In anticipation of the appointment of a new Director, the lease was extended for one year, to March 2005. Combined income from the rental of the Institute guest rooms and meeting rooms and from the Associates events is applied against the operating costs of the facilities.

FACILITIES

The Institute occupies the top floor of the Koerner University Centre and the residential annex. The east wing includes the offices of the Director and staff, the research offices of the Distinguished Scholars in Residence and the Peter Wall Distinguished Professor, the Peter Wall Boardroom, and a lounge for the use of scholars in the residential programs.

Conference Rooms

The Institute has two conference rooms on the west wing of the third floor of the University Centre. The large and small rooms, approximately 800 and 600 sq. ft., respectively, can be used separately or combined for meetings and meals. Both rooms open onto a large terrace with a sweeping view of the sea and mountains. When not in use by the Institute for program events, the conference rooms are available for rent to individuals and groups affiliated with the University or University-sponsored events. Priority in booking the Institute facilities is given to research-related activities open to the University community.

Residence

Located at the northeast end of the University Centre is the Institute's guest residence of twelve non-smoking rooms. These superior rooms are well furnished, include desks and bookshelves, and offer a view to the ocean and mountains. The residence offers two room configurations, a standard hotel style or a studio-kitchenette style. All rooms include a full private bathroom, a queen bed, PC and Internet connection, cable TV, telephone for local calls, and voice mail. The rooms can be booked individually or as two room suites. Rental rates give preference to Institute program guests. When not in use by the Institute, the rooms are available to individuals or groups affiliated with the University or University-sponsored events.

Income from the rental of conference and residence rooms is used to offset the operating costs of the facilities.



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. The Board of Trustees has overall responsibilities for policies, programs, and finances of the Institute. The Deed of Trust also specifies that the characteristics of the Institute “shall be developed by the President of the University.” The UBC President at that time, David Strangway, assigned administrative responsibility for the Institute to the Faculty of Graduate Studies.

Board of Trustees

The five trustees are the UBC President, two UBC-appointed trustees, and two donor-appointed trustees:

Akbar Lalani, MD, Royal Columbian Hospital
 Robert H. Lee, Prospero International Realty Inc.
 Leslie R. Peterson, QC, Boughton Peterson Yang Anderson
 Martha Piper, UBC President (Chair)
 Bruno Wall, Wall Financial Corporation

Official Observers and Secretary to the Board of Trustees

Brett Finlay, Peter Wall Distinguished Professor
 Frieda Granot, Dean of Graduate Studies
 Barry McBride, UBC VP Academic and Provost
 Dianne Newell, Acting Director, Peter Wall Institute for Advanced Studies
 Terry Sumner, UBC VP Administration and Finance, and Secretary to the Trustees
 Sonya Wall, Donor Family

Management Committee of the Board of Trustees

The Management Committee is responsible for all financial aspects of the Institute. The budget, and all other financial matters, are first discussed by the Management Committee and then brought to the Trustees for approval or information. This committee consists of four individuals:

Frieda Granot, Dean of Graduate Studies
 Dianne Newell, Acting Director, Peter Wall Institute for Advanced Studies
 Terry Sumner, UBC VP Administration and Finance, and Secretary to the Trustees
 Bruno Wall, Wall Financial Corporation

The Board of Trustees and the Management Committee meet twice a year.

COMMITTEES

The **Advisory Committee** meets as required to discuss directions for the Institute and to recommend program changes.

Patricia Baird, Medical Genetics ■ **Donald Brooks**, Pathology and Chemistry ■ **Michael Church**, Geography ■ **Richard Ericson**, Anthropology & Sociology, Law, and Green College ■ **Brett Finlay**, Peter Wall Distinguished Professor (Chair) ■ **Dianne Newell**, Peter Wall Institute ■ **Anthony Phillips**, Psychiatry ■ **George Sawatzky**, Physics & Astronomy ■ **William Unruh**, Physics & Astronomy ■ **Patricia Vertinsky**, Human Kinetics ■ **Janet Werker**, Psychology

The **Adjudication Committee** is charged with evaluating Major Thematic Grant and Exploratory Workshop Grant proposals.

Philip Austin, Earth & Ocean Sciences and Geography ■ **Martin Barlow**, Mathematics ■ **Bill Benjamin**, Music ■ **John Beatty**, Philosophy ■ **Alison Buchan**, Physiology ■ **David Dolphin**, Chemistry ■ **Robin Elliot**, Law ■ **Robert Evans**, Mechanical Engineering ■ **Caroline Ford**, History ■ **Sima Godfrey**, French and Institute for European Studies ■ **Philip Hieter**, Medical Genetics and Biotechnology Lab ■ **Sidney Katz**, Pharmaceutical Sciences ■ **Hammish Kimmins**, Forest Sciences ■ **Ross MacGillivray**, Biochemistry & Molecular Biology and Centre for Blood Research ■ **Alan Mackworth**, Computer Science ■ **Scott McKinley**, Agroecology ■ **Dianne Newell**, Peter Wall Institute (Chair) ■ **John O'Brian**, Art History, Visual Art & Theory ■ **Arthur Ray**, History ■ **Rosemary Redfield**, Zoology ■ **Angela Redish**, Economics ■ **Thomas Ross**, Sauder School of Business ■ **Margaret Schabas**, Philosophy ■ **Judy Segal**, English ■ **David Sweet**, Oral Biological & Medical Sciences ■ **Eric Vatikiotis-Bateson**, Linguistics ■ **Dan Weary**, Agroecology

The **Review Committee** reviews past awards in the thematic competitions.

Gail Bellward, Pharmaceutical Sciences (Chair) ■ **William Bowie**, Infectious Diseases ■ **Donald Brunette**, Oral Biological & Medical Sciences ■ **Derek Gregory**, Geography ■ **Alan Kraus**, Sauder School of Business ■ **Dianne Newell**, Peter Wall Institute ■ **Andrew Ng**, Physics & Astronomy ■ **Wesley Pue**, Law ■ **Catharine Rankin**, Psychology ■ **Curtis Suttle**, Earth & Ocean Sciences ■ **Rhodri Windsor-Liscombe**, Art History, Visual Art & Theory

The **Junior Selection Committee** is charged with evaluating applications for Visiting Junior Scholar and Early Career Scholar appointments.

Dana Devine, Pathology ■ **Eric Eich**, Psychology ■ **Sima Godfrey**, French, Hispanic & Italian Studies and Institute for European Studies ■ **John Gosline**, Zoology ■ **Dianne Newell**, Peter Wall Institute (Chair) ■ **Laurie Ricou**, English ■ **Becki Ross**, Anthropology & Sociology and Women's Studies ■ **Septimiu Salcudean**, Electrical & Computer Engineering ■ **Margaret Schabas**, Philosophy ■ **Ilan Vertinsky**, Sauder School of Business

The **Senior Selection Committee** is charged with evaluating applications for Distinguished Scholar in Residence appointments.

James Brander, Sauder School of Business ■ **Brett Finlay**, Biotechnology Lab, Biochemistry & Molecular Biology and Microbiology & Immunology ■ **Judith Hall**, Pediatrics and Medical Genetics ■ **Grant Ingram**, Earth & Ocean Sciences ■ **Murray Isman**, Agroecology ■ **David Jones**, Zoology ■ **Dianne Newell**, Peter Wall Institute (Chair) ■ **Alan Richardson**, Philosophy ■ **John Willinsky**, Language & Literacy Education

FACULTY ASSOCIATES

Associates of the Institute are those UBC faculty members who are or have been a Principal Investigator on an Institute competitive award, have been selected as a Peter Wall Distinguished Professor, Distinguished Scholar in Residence or an Early Career Scholar, or who have been invited to serve on one of the Institute's committees.

Faculty of Agricultural Sciences

Susan Herrington, Landscape Architecture ■ **Murray Isman**, Agroecology ■ **Les Lavkulich**, Soil Science and Institute for Resources, Environment & Sustainability ■ **Scott McKinley**, Agroecology ■ **Moura Quayle**, Dean ■ **James Thompson**, Agricultural Science ■ **Hennie van Vuuren**, Food Nutrition & Health and Wine Research Centre ■ **Dan Weary**, Agroecology and Centre for Applied Ethics

Faculty of Applied Science

Joan Anderson, Nursing ■ **Sheldon Cherry**, Civil Engineering ■ **Lyren Chiu**, Nursing ■ **Elizabeth Croft**, Mechanical Engineering ■ **Guy Dumont**, Electrical & Computer Engineering ■ **Robert Evans**, Mechanical Engineering ■ **Sidney Fels**, Electrical & Computer Engineering ■ **John Grace**, Chemical & Biological Engineering ■ **Antony Hodgson**, Mechanical Engineering ■ **Mihai Huzmezan**, Electrical & Computer Engineering ■ **Lee Iverson**, Electrical & Computer Engineering ■ **Alison Phinney**, Nursing ■ **Martha Salcudean**, Mechanical Engineering ■ **Septimiu Salcudean**, Electrical & Computer Engineering ■ **Rizhi Wang**, Metals & Materials Engineering

Faculty of Arts

Siwan Anderson, Economics ■ **Leonora Angeles**, Women's Studies, Community & Regional Planning, and Centre for Human Settlements ■ **Daphna Arbel**, Classical, Near Eastern & Religious Studies ■ **Barbara Arneil**, Political Science ■ **Karen Bakker**, Geography ■ **Anthony Barrett**, Classical, Near Eastern & Religious Studies ■ **John Beatty**, Philosophy ■ **Bill Benjamin**, Music ■ **Alexia Bloch**, Anthropology & Sociology ■ **Alejandra Bronfman**, History ■ **Michael Buzzelli**, Geography ■ **Maxwell Cameron**, Political Science ■ **Catherine Carstairs**, History ■ **Kenneth Carty**, Political Science ■ **Michael Chandler**, Psychology ■ **Edith Chen**, Psychology ■ **Michael Church**, Geography ■ **Jane Coop**, Music ■ **Lisa Cooper**, Classical, Near Eastern & Religious Studies ■ **Kenneth Craig**, Psychology ■ **Dennis Danielson**, English ■ **Franco De Angelis**, Classical, Near Eastern & Religious Studies ■ **Luciana Duranti**, Library, Archival & Information Studies ■ **Eric Eich**, Psychology ■ **Richard Ericson**, Anthropology & Sociology, Law, and Green College ■ **John Foster**, English ■ **Caroline Ford**, History ■ **Nancy Frelick**, French, Hispanic & Italian Studies ■ **Bryan Gick**, Linguistics ■ **Jim Glassman**, Geography ■ **Sima Godfrey**, French, Hispanic & Italian Studies and Institute for European Studies ■ **Marketa Goetz-Stankiewicz**, Central, Eastern & Northern European Studies ■ **Gaston Gordillo**, Anthropology & Sociology ■ **Graham Good**, English ■ **Sherrill Grace**, English ■ **Derek Gregory**, Geography ■ **Sneja Gunew**, English and Women's Studies ■ **Xiong Gu**, Art History, Visual Art and Theory ■ **Todd Handy**, Psychology ■ **Steven Heine**, Psychology ■ **Daniel Hiebert**, Geography ■ **Brian Job**, Political Science ■ **Alan Kingstone**, Psychology ■ **Eva-Marie Kröller**, English ■ **Richard Kurth**, Music ■ **Merje Kuus**, Geography ■ **Diana Lary**, History ■ **Philippe Le Billon**, Geography and Liu Institute for Global Issues ■ **Darrin Lehman**, Psychology ■ **David Ley**, Geography ■ **Dominic Lopes**, Philosophy ■ **Patricia Marchak**, Anthropology & Sociology ■ **Christopher Marshall**, Classical, Near Eastern & Religious Studies ■ **Mohan Matthen**, Philosophy

FACULTY ASSOCIATES

Ralph Matthews, Anthropology & Sociology ■ **Renisa Mawani**, Anthropology & Sociology ■ **William McKellin**, Anthropology & Sociology ■ **Daniel Moore**, Geography and Forest Resource Management ■ **Dianne Newell**, History
Nancy Nisbet, Art History, Visual Art & Theory ■ **Ara Norenzayan**, Psychology ■ **John O'Brian**, Art History, Visual Art & Theory ■ **Catharine Rankin**, Psychology ■ **Valerie Raoul**, French, Hispanic & Italian Studies ■ **Arthur Ray**, History
Angela Redish, Economics ■ **Alan Richardson**, Philosophy ■ **Laurie Ricou**, English ■ **Becki Ross**, Anthropology & Sociology and Women's Studies ■ **Patrick Rysiew**, Philosophy ■ **Steven Savitt**, Philosophy ■ **Margaret Schabas**, Philosophy ■ **Mark Schaller**, Psychology ■ **Judy Segal**, English ■ **Robert Silverman**, Music ■ **Olav Slaymaker**, Geography ■ **Peter Suedfeld**, Psychology ■ **Shirley Sullivan**, Classical, Near Eastern & Religious Studies ■ **Yves Tiberghien**, Political Science ■ **John Torpey**, Anthropology & Sociology and Institute for European Studies ■ **Eric Vatikiotis-Bateson**, Linguistics ■ **Gerry Veenstra**, Anthropology & Sociology ■ **Mark Vessey**, English ■ **Lawrence Ward**, Psychology ■ **Stephen Ward**, Journalism
Janet Werker, Psychology ■ **Catherine Wilson**, Philosophy ■ **Rhodri Windsor-Liscombe**, Art History, Visual Art & Theory
Jonathan Wisenthal, English ■ **Fei Xu**, Psychology ■ **Okan Yilankaya**, Economics

Sauder School of Business

James Brander, Strategy & Business Economics ■ **Dale Griffin**, Marketing ■ **Alan Kraus**, Finance ■ **Maurice Levi**, Finance
Ken MacCrimmon, Strategy & Business Economics ■ **Thomas Ross**, Strategy & Business Economics ■ **Ilan Vertinsky**, Commerce & Business Administration and Centre for International Business Studies

Faculty of Dentistry

Don Brunette, Oral Biological & Medical Sciences ■ **David Sweet**, Oral Biological & Medical Sciences

Faculty of Education

Marla Arvay, Educational & Counselling Psychology, & Special Education ■ **Kadriye Ercikan**, Educational & Counselling Psychology, & Special Education ■ **Susan James**, Educational & Counselling Psychology, & Special Education ■ **Peter Sexias**, Curriculum Studies ■ **Linda Siegel**, Educational & Counselling Psychology, & Special Education ■ **Patricia Vertinsky**, Human Kinetics ■ **Darren Warburton**, Human Kinetics ■ **Marvin Westwood**, Educational & Counselling Psychology, & Special Education ■ **John Willinsky**, Language & Literacy Education ■ **Brian Wilson**, Human Kinetics

Faculty of Forestry

Younes Alila, Forest Resources Management ■ **Susan Grayston**, Forest Sciences ■ **Hamish Kimmins**, Forest Sciences
John Richardson, Forest Sciences ■ **Jack Saddler**, Dean ■ **Stephen Sheppard**, Forest Resources Management and Landscape Architecture

Faculty of Graduate Studies

Mandakranta Bose, Institute of Asian Research ■ **Julian Dierkes**, Institute of Asian Research – Centre for Japanese Research ■ **Frieda Granot**, Dean ■ **Thomas Hutton**, Community & Regional Planning and Centre for Human Settlements
Hyung Gu Lynn, Institute for Asian Research – Centre for Korean Research ■ **Tony Pitcher**, Fisheries Centre and Zoology
Theresa Satterfield, Institute for Resources, Environment and Sustainability

Faculty of Law

Ljiljana Biukovic, Law and Institute for European Studies ■ Susan Boyd ■ Christine Boyle ■ Ruth Buchanan ■ Catherine Dauvergne ■ Robin Elliot ■ Douglas Harris ■ Marilyn MacCrimmon ■ Wesley Pue ■ Janis Sarra ■ Joseph Smith ■ Claire Young

Faculty of Medicine

Patricia Baird, Medical Genetics ■ William Bowie, Infectious Diseases ■ Robert Brunham, Infectious Diseases ■ Donald Brooks, Pathology and Chemistry ■ Carolyn Brown, Medical Genetics ■ Alison Buchan, Physiology ■ Michael Burgess, Medical Genetics and Centre for Applied Ethics ■ Anna Cellar, Nuclear Medicine and Radiology ■ Campbell Clark, Psychiatry ■ Michael Cox, Surgery ■ Dana Devine, Pathology and Laboratory Medicine ■ John Gilbert, Health Sciences and College of Health Disciplines ■ Judith Hall, Pediatrics and Medical Genetics ■ Michael Hayden, Medical Genetics ■ Clyde Hertzman, Health Care & Epidemiology ■ Philip Hieter, Medical Genetics and Biotechnology Laboratory ■ William Honer, Psychiatry ■ Dagmar Kalousek, Pathology ■ Karim Khan, Family Practice and Human Kinetics ■ Timothy Kieffer, Physiology and Surgery ■ Ross MacGillivray, Biochemistry & Molecular Biology and Centre for Blood Research ■ George Mackie, Biochemistry & Molecular Biology ■ Grant Mauk, Biochemistry & Molecular Biology ■ Barbara McGillivray, Medical Genetics ■ Heather McKay, Orthopaedics and Family Practice ■ Tim Oberlander, Pediatrics ■ Aleck Ostry, Health Care & Epidemiology ■ Anthony Phillips, Psychiatry ■ Neil Reiner, Infectious Diseases ■ Peter Reiner, Psychiatry ■ Wendy Robinson, Medical Genetics ■ Ann Rose, Medical Genetics ■ Fabio Rossi, Medical Genetics and Biomedical Research Centre ■ Elizabeth Simpson, Medical Genetics and Centre for Molecular Medicine & Therapeutics ■ Boris Sobolev, Health Care & Epidemiology ■ Weihong Song, Psychiatry ■ David Speert, Pediatrics and Infectious Diseases ■ Mary Stephenson, Obstetrics & Gynaecology ■ Rusung Tan, Pathology ■ Peter von Dadelszen, Obstetrics & Gynaecology

Faculty of Pharmaceutical Sciences

Gail Bellward ■ Sidney Katz ■ John McNeill

Faculty of Science

Ian Affleck, Physics & Astronomy ■ Vanessa Auld, Zoology ■ Philip Austin, Earth & Ocean Sciences and Geography ■ Martin Barlow, Mathematics ■ Mona Berciu, Physics & Astronomy ■ Michael Blades, Chemistry ■ Michael Bostock, Earth & Ocean Sciences ■ Jörg Bohlmann, Biotechnology Lab and Botany ■ Christopher Brion, Chemistry ■ Steve Calvert, Earth & Ocean Sciences ■ Cristina Conati, Computer Science ■ Anne Condon, Computer Science ■ Michael Doebeli, Mathematics and Zoology ■ David Dolphin, Chemistry ■ Brett Finlay, Biotechnology Lab, Biochemistry & Molecular Biology and Microbiology & Immunology ■ Erin Gaynor, Microbiology & Immunology ■ Brett Gladman, Physics & Astronomy ■ John Gosline, Zoology ■ Michael Healey, Earth & Ocean Sciences ■ Nancy Heckman, Statistics ■ Wolfgang Heidrich, Computer Science ■ Holger Hoos, Computer Science ■ William Hsieh, Earth & Ocean Sciences and Physics & Astronomy ■ Grant Ingram, Earth & Ocean Sciences ■ Brian James, Chemistry ■ François Jean, Microbiology & Immunology ■ David Jones, Zoology ■ Jürgen Kast, Chemistry and Biomedical Research Centre ■ Patrick Keeling, Botany ■ David Kirkpatrick, Computer Science ■ Charles Krebs, Zoology ■ Xin Li, Biotechnology Lab and Botany ■ Karon MacLean, Computer Science ■ Alan Mackworth, Computer Science ■ Gail Murphy, Computer Science ■ Andrew Ng, Physics & Astronomy ■ Thomas Oxland, Orthopaedics and Mechanical Engineering ■ Sarah Otto, Zoology ■ Rosemary Redfield, Zoology

FACULTY ASSOCIATES

Ronald Rensink, Computer Science and Psychology ■ **Harvey Richer**, Physics & Astronomy ■ **Dale Rolfsen**, Mathematics
George Sawatzky, Physics & Astronomy ■ **Dolph Schluter**, Zoology and Biodiversity Research Centre ■ **Douglas Scott**,
Physics & Astronomy ■ **Anthony Sinclair**, Zoology ■ **Terrance Snutch**, Biotechnology Lab, Psychiatry and Zoology ■ **Philip
Stamp**, Physics & Astronomy ■ **Curtis Suttle**, Earth & Ocean Sciences ■ **Philippe Tortell**, Botany and Earth & Ocean Sciences
William Unruh, Physics & Astronomy ■ **Stephanie van Willigenburg**, Mathematics ■ **Yan Alex Wang**, Chemistry
Tony Warren, Microbiology & Immunology ■ **Michael Whitlock**, Zoology ■ **Stephen Withers**, Chemistry ■ **James Zidek**,
Statistics

Faculty Associates no longer at UBC

Raphael Amit ■ **Patricia Arlin** ■ **Jutta Brunee** ■ **Alan Cairns** ■ **Christine Chambers** ■ **James Dunn** ■ **Lawrence
Green** ■ **Priscilla Greenwood** ■ **James Hogg** ■ **Robert Jackson** ■ **Ruth Phillips** ■ **Kathleen Pichora-Fuller**
Nicholas Pippenger ■ **Leaf van Boven** ■ **Paul Yachnin**

Deceased Associates

Joel Bert ■ **Keith Brimacombe** ■ **Michael Smith** ■ **Peter Hochachka**

STAFF



Dianne Newell was re-appointed Acting Director July 1, 2003, the term ending in June 2004. Dr. Newell is Professor in the Department of History and was a 2002 Peter Wall Distinguished Scholar in Residence. Her PhD is from the University of Western Ontario, 1981. Dr. Newell's research interests include technology studies and socio-economic history at the margins of science and technology developments. Dr. Newell is an expert on Canada's west coast native fishery, author of five books including *Tangled Webs of History: Indians and the Law in Canada's Pacific Coast Fisheries*; she is an international authority on industrial archaeology. Her new SSHRC-funded research concerns the politics of science fiction and women's intellectual engagement with, and contribution to, that post-World War II genre. Dr. Newell has been appointed Director for the period from July 1, 2004 to December 31, 2005.



Christopher McGill was Assistant to the Director from May 1999 to May 2004. He holds an MA from Simon Fraser University. Chris was responsible for the day-to-day operations of the facilities and staff, program administration, and financial matters. He left in May 2004 to take up a position in the Psychiatry Department. His replacement, **Jim Jensen**, was appointed to the Institute in June 2004.



Dale MacCrostie has been the Institute's Systems Coordinator. Dale retired from the University in December 2003. At the Institute she managed all information systems hardware and software including systems supporting the Distinguished Scholars in Residence, administrative offices, residential annex, conference rooms, and website. **Markus Pickartz** took up the position of Systems Coordinator in January 2004. Markus has a diverse and extensive background in IT systems as a freelance consultant and in academia (Arizona State University Law Library). Using his advanced knowledge of hardware and software and his programming skills, he revamped and expanded our databases, website, and computer networks, with much more being planned. Markus has a BA in Theatre (Directing) from ASU.

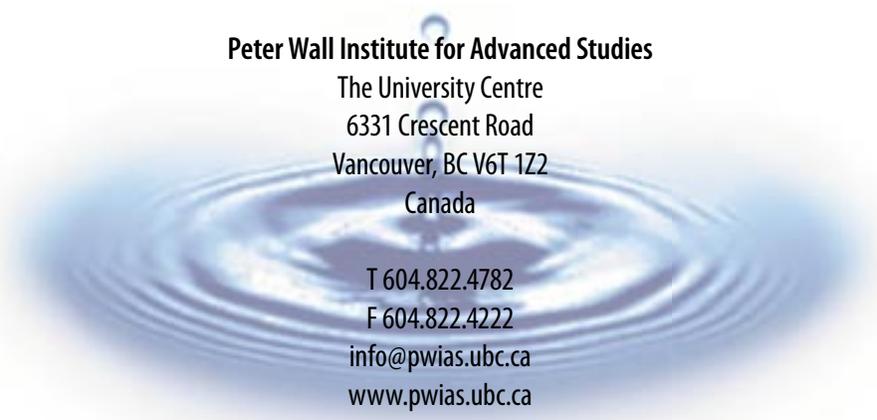


Katie Eliot is the Institute Secretary. Katie has a BA in Geography from UBC. She has considerable experience working at the University including IT Services and the Institute for Asian Research. In addition to her program support responsibilities, Katie looks after all aspects of the booking of Institute facilities. Katie is very active in the University's campus sustainability campaign.



The Peter Wall Institute for Advanced Studies is located at the University Centre in the cultural heart of the University of British Columbia. The University Campus occupies a beautiful wooded site at the western tip of Vancouver on cliffs overlooking the Pacific Ocean. The Institute facilities include two well-appointed conference rooms opening to a broad terrace with spectacular water and mountain views. The residential annex, adjacent to the University Rose Garden, has twelve fully-equipped rooms.

The Peter Wall Institute for Advanced Studies has a variety of programs directed at supporting outstanding research. Several programs are thematic in nature designed to fund the collaborative research of interdisciplinary teams. These activities range from single meetings for developing themes, to multi-year major thematic grants. Other Institute programs focus on bringing together distinguished researchers, from both UBC and around the world, to spend time in residence at the Institute. These residencies, ranging in term from one month to one year, encourage the interaction of scholars from a variety of disciplines in exploring new research directions.

A graphic of a water droplet falling into a pool, creating concentric ripples. The ripples are centered behind the contact information.

Peter Wall Institute for Advanced Studies

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