

Annual Report
2002-2003

Joint Degree Program in Law, Health & the Life Sciences™

Consortium on Law and Values in Health, Environment & the Life Sciences™

UNIVERSITY OF MINNESOTA

Highlights:

- NIH grant awarded to Consortium
- New NIH proposal submitted
- New Executive Committee
- 2 new Consortium members
- 11 intramural grants awarded
- Deinard Memorial Lecture on Law & Medicine to be inaugurated
- Faegre & Benson Lecture Series on public health
- Lunch Series on Public Health
- Assisted Reproduction Symposium
- Health Privacy Conference
- JD/MD option added
- 30 JDP applicants
- 6 new JDP enrollees
- 2 new JDP graduates
- Visiting Scholar in 2003: Prof. William Sage, JD, MD

Annual Report, 2002-2003

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Table of Contents

- 2 Letter from the Director and Chair
- 3 Update on the Joint Degree Program and Consortium

Joint Degree Program in Law, Health & the Life Sciences

- 5 Students, Recruitment, and Scholarships
- 6 Joint Degree Program Proseminar
- 6 Genetics & Disability Insurance: Ethics, Law & Policy
- 7 Student Honors & Achievements
- 8 Joint Degree Program Faculty and Governing Committee
- 15 Joint Degree Program Advisory Board
- 18 Deindard Memorial Lectureship on Law & Medicine
- 18 www.jointdegree.umn.edu

Consortium on Law and Values in Health, Environment & the Life Sciences

- 19 Consortium Members
- 21 Consortium Requests for Proposals (RFPs)
- 22 Assisted Reproduction Symposium
- 22 www.lifesci.consortium.umn.edu
- 23 National Institutes of Health (NIH) Grants

Co-sponsored Activities

- 23 New Executive Committee
- 24 Faegre & Benson Lecture Series
on Law, Health & the Life Sciences
- 25 Lunch Series on the Societal Implications
of the Life Sciences
- 26 LAW/VALUES+LIFE SCIENCES Newsletter
- 27 Annual Conference
- 27 Visiting Scholar: Prof. William Sage, JD, MD

Shared Staff & Support

- 28 Staff
- 28 Support & Acknowledgements



*Audience at Prof. Richard Sharp's
Lunch Series lecture.*



*Prof. Susan Wolf giving opening remarks at
the symposium on assisted reproduction.*



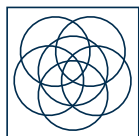
*Prof. George Annas,
Boston University, discusses
"Privacy in America: Different Protections
for Medicine, Public Health, and National
Security?" at the privacy conference.*

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*Joint Degree Program in Law, Health &
the Life Sciences and Consortium on Law
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Joint Degree Program

in Law, Health & the Life Sciences™

Consortium on Law and Values

in Health, Environment & the Life Sciences™

Letter from the Director and Chair

Dear Colleagues:

We've come a long way since the Joint Degree Program and Consortium were founded in 1999 and 2000. As we approach the 5-year mark, both programs have made a quantum leap forward.

The Consortium now numbers 14 centers and programs. We added 2 member centers in 2002-03: Prof. Will Hueston's Center for Animal Health & Food Safety and Prof. Ken Keller's Center for Science, Technology, and Public Policy. We formed an Executive Committee to take better advantage of Consortium and Joint Degree Program expertise by broadening leadership of our intellectual work. Most importantly, we have now developed the Consortium capacity to compete for grants, especially NIH grants, to do ground-breaking intellectual work. Since the Consortium was founded, one of our primary goals has been to reach the point where we could compete for grants to originate important work on the societal implications of the life sciences. In 2003, we landed the first NIH grant on which we took the lead. That grant now funds a 2-year project on the implications of haplotype mapping of the human genome for social categories of race and ethnicity. In June we submitted another proposal to NIH, which is now pending. Developing our capacity to get grants has required a tremendous effort on the part of all Consortium members and our Consortium staff.

The Joint Degree Program has made a leap forward too in the quantity and quality of our applicants. We received 30 applications in 2002-03 and welcomed 6 new students in Fall '03. We clearly are attracting a national applicant pool from outstanding undergraduate institutions. We now have 16 students in the program, having graduated our second cohort last summer. We offer 19 degree combinations and a choice of 3 graduate minors including Bioethics, Human Genetics, and Bioinformatics. Our unique program is offering the best multidisciplinary training for students who want to lead on cutting-edge issues in law and science.

Our programming has made a dramatic advance as well. In 2002-03 we presented a spectacular roster of speakers on issues in public health in our Faegre & Benson Lecture Series on Law, Health & the Life Sciences and Lunch Series on the Societal Implications of the Life Sciences. We also offered a national conference on "The Limits of Personal Privacy: Biomedical Information in Public Health, Population Genomics, and Mass Disasters" and a half-day symposium on "Revamping the Law on Assisted Reproduction: From IVF to Surrogate Motherhood." In 2003-04 we will present 10 events: the Faegre & Benson Lectures Series on frontiers in human subjects research; our Lunch Series on agricultural and environmental ethics; a conference on the role of the environment in child health; a symposium on university obligations to share intellectual property in the developing world; and a new Deinard Memorial Lecture on Law & Medicine. We are also hosting our first visiting scholar, Prof. William Sage from Columbia University.

What began as an idea is now a thriving pair of programs pioneering new ways of thinking about the most challenging problems of the 21st century and new ways of training the next generation of scholars and policy makers. Our debt to all who helped build these programs is great. Our excitement about the work ahead is tremendous.

Susan M. Wolf

Faegre & Benson Professor of Law, Professor of Medicine
Director, Joint Degree Program in Law, Health & the Life Sciences
Chair, Consortium on Law and Values in Health, Environment & the Life Sciences



Prof. Susan Wolf addresses the privacy
conference audience.



Prof. Colin Campbell,
in the 2002 Proseminar class.



Update on the Joint Degree Program and Consortium

The Joint Degree Program

2002-03 was another successful year for us. The Joint Degree Program graduated 2 more students, added a JD/MD option with the Medical School, and is now completing its first NIH grant project on "Genetics & Disability Insurance: Ethics, Law & Policy." The Joint Degree Program and Consortium together sponsored 9 events largely focusing on public health issues: 4 lectures in the Lunch Series on the Societal Implication of the Life Sciences; 3 lectures in the Faegre & Benson Lecture Series on Law, Health & the Life Sciences; a conference on "The Limits of Personal Privacy: Biomedical Information in Public Health, Population Genomics, and Mass Disasters," and a symposium on "Revamping the Law on Assisted Reproduction: From IVF to Surrogate Motherhood."

The Joint Degree Program remains unique in the nation and now enables students to combine a JD with a PhD, MS, MPH, or MD in one of 12 graduate and professional programs in less time, with more academic support, and with potentially more financial support than if the students were to pursue the 2 degrees separately. Students who show good cause may also create an ad hoc joint degree with a Graduate School program relating to health, environment, or the life sciences that is not formally part of the Joint Degree Program. Students pursuing Graduate School degrees have the option of completing graduate minors in bioethics and bioinformatics and we expect a new graduate minor in human genetics in 2003-04. The Joint Degree Program spans 8 collegiate units plus the Center for Bioethics and involves more than 400 faculty members. We partner with 12 graduate and professional programs on campus and offer the following degree combinations:

- a JD with an MS or PhD in **Molecular, Cellular, Developmental Biology & Genetics**
- a JD with an MS or PhD in **Pharmacology**
- a JD with an MS in **Science, Technology & Environmental Policy**
- a JD with an MD in **Medicine**
- a JD with an MS or PhD in **Health Services Research, Policy, and Administration**
- a JD with an MPH in **Public Health Administration**
- a JD with an MPH in **Epidemiology**
- a JD with an MPH in **Maternal and Child Health**
- a JD with an MPH in **Community Health Education**
- a JD with an MS or PhD in **Ecology, Evolution, and Behavior**
- a JD with an MS or PhD in **Conservation Biology**
- a JD with an MS, PhD, or MPH in **Environmental Health**



Audience at Prof. Wendy Mariner's Faegre & Benson lecture.



Audience at Prof. Robert Bullard's Lunch Series lecture.





*Dr. Harry Hull,
Minnesota State Epidemiologist,
faculty commentator for
Prof. Ronald Bayer's
Faegre & Benson lecture.*



*Prof. Steve Miles,
Department of Medicine and Center for
Bioethics, commentator for Prof. Ronald
Bayer's Faegre & Benson lecture.*

The Consortium on Law and Values

In 2002-03, the Consortium on Law and Values in Health, Environment & the Life Sciences added 2 member centers, the Center for Animal Health & Food Safety and the Center for Science, Technology, and Public Policy. We were awarded an NIH grant on the implications of haplotype mapping and submitted a new NIH grant application on incidental findings in human subjects research. We created a new Executive Committee to facilitate the work of the Consortium and Joint Degree Program and spread the intellectual responsibility and wealth. Through its Request for Proposals (RFP) process, the Consortium awarded 3 faculty grants, 4 student grants, and 4 grants to centers, totaling \$75,304.

The Consortium now coordinates among and builds on the strengths of 14 University centers and programs, establishing a national identity for the University of Minnesota as a leading institution working on law and values in health, environment, and the life sciences. The Consortium brings these programs together to tackle interdisciplinary questions that are difficult for any one program to tackle alone. The 14 constituent programs are:

- **Joint Degree Program in Law, Health & the Life Sciences** led by Profs. Susan Wolf (law, medicine) and Colin Campbell (pharmacology);
- **Center for Bioethics** led by Prof. Jeffrey Kahn (medicine, philosophy, public health);
- **Biomedical Genomics Center** led by Profs. Ashley Haase (microbiology) and Vivek Kapur (veterinary pathobiology, microbiology);
- **Center for Microbial and Plant Genomics** led by Prof. Ronald Phillips (agronomy and plant genetics);
- **Stem Cell Institute** led by Prof. Catherine Verfaillie (medicine);
- **Institute of Human Genetics** led by Profs. Harry Orr (laboratory medicine, pathology) and Bonnie LeRoy (genetic counseling);
- **Genomics Planning and Coordinating Committee (GPCC)** led by Vice Provost and Interim Dean of the Graduate School Victor Bloomfield;
- **Center for Infectious Disease Research & Policy** led by Prof. Michael Osterholm (epidemiology) and Jill DeBoer;
- **Center for Animal Health & Food Safety** led by Prof. William Hueston (epidemiology, clinical and population sciences) and Shaun Kennedy;
- **Center for Neurobehavioral Development** led by Profs. Charles Nelson (child psychology, neuroscience, pediatrics, neurology, radiology, psychiatry) and Michael Georgieff (pediatrics, child psychology);
- **Center for Environment and Health Policy** led by Prof. Ken Sexton in 2002-03 and now Prof. William Toscano (environmental health);
- **Center for Plants and Human Health** led by Prof. Gary Gardner (horticultural science);
- **Program in Agricultural, Food, and Environmental Ethics** led by Prof. Dan Philippon (rhetoric) and Associate Dean Beverly Durgan (College of Agricultural, Food, and Environmental Sciences); and
- **Center for Science, Technology, and Public Policy** led by Prof. Kenneth Keller (Humphrey Institute, chemical engineering and materials science) and Jennifer Kuzma.

With the Joint Degree Program and Consortium, the University of Minnesota aims to make a public difference. Through the Joint Degree Program we are instilling in our students a new appreciation for the importance of values and the possibilities of rigorous thinking across disciplines. Through the Consortium and its constituent programs we are pioneering a new kind of cross-disciplinary work fully marrying legal, ethical, and scientific expertise.





Joint Degree Program in Law, Health & the Life Sciences™

UNIVERSITY OF MINNESOTA

Students, Recruitment and Scholarships

The Joint Degree Program graduated 2 students in 2003. Trevor Copeland received a JD and MS in Molecular, Cellular, Developmental Biology & Genetics (MCDB&G). He is employed in the Chicago office of Brinks Hofer Gilson & Leone. Benjamin Coler received a JD and MS in Science, Technology & Environmental Policy.

In 2002-03, we had **12 students** pursuing the following degree combinations:

- JD/MS in MCDB&G (Trevor Copeland)
- JD/PhD in MCDB&G (Katherine Dick)
- JD/PhD in Pharmacology (Jonathan Hareid, Lisbeth Robinson)
- JD/MS in Pharmacology (Glenna Gilbert, James Zak)
- JD/MS in Science, Technology & Environmental Policy (Ben Coler, Melanie Kleiss, Margaret Jacot)
- JD/PhD in Conservation Biology (Collette Adkins Giese)
- JD/MPH in Public Health Administration (Erin Furlong)
- JD/MS in Health Services Research, Policy and Administration (Rebekah Orr)



Joint Degree Program Students

Back row, L to R: Katie Dick, Trevor Copeland, Ben Coler, Collette Adkins Giese, Meg Jacot. Front row, L to R: Glenna Gilbert, Erin Furlong, Jonathan Hareid, Bekah Orr, James Zak, Lisbeth Robinson. Not pictured: Melanie Kleiss.

Katherine Dick was awarded the Law School's fourth Joint Degree Program scholarship in Fall 2002. Erin Furlong was awarded the Harold M. Fredrikson Memorial Scholarship in 2002-03, provided by the law firm of Fredrikson & Byron. Rebekah Orr was awarded a Rotary Scholarship in 2002-03, provided by Rotary District 5950. Margaret Jacot was awarded one of the Law School's non-resident tuition waivers, bringing tuition down to resident levels.

Applications to the Joint Degree Program almost doubled in 2002-03. We received 30 applications from students with undergraduate degrees from undergraduate institutions including Johns Hopkins University, Middlebury College, Oberlin College, University of California-Los Angeles, Boston University, and Florida A&M University. We are delighted to see the number of applicants and the geographic diversity increasing.

In the Fall of 2003 we are welcoming **6 more students** pursuing the following degree combinations: JD/MS in Health Services Research, Policy & Administration; JD/MPH in Public Health Administration; JD/PhD in MCDB&G; and JD/MS in Science, Technology & Environmental Policy (2). We have worked closely with the Joint Degree Program graduate and professional programs to recruit these impressive applicants and arrange financial support. Total Joint Degree Program enrollment in 2003-04 will be **16 students**.

Our incoming student seeking the JD/PhD in MCDB&G has been awarded the 3M Fellowship to cover his Graduate School expenses and a scholarship from the Minnesota Intellectual Property Law Association (MIPLA) plus a non-resident tuition waiver to help with his first year of Law School tuition. Our incoming JD/MPH student in Public Health Administration has been awarded a full scholarship from the School of Public Health. Our incoming student seeking the JD/MS in Health Services Research, Policy & Administration has been awarded a partial Joint Degree Program scholarship for her Law School tuition. One incoming student seeking the JD/MS in Science, Technology & Environmental Policy has been awarded the Harold M. Fredrikson Memorial Scholarship for 2003-04. Our incoming student seeking the JD/MPH in Epidemiology has been awarded a partial Law School scholarship.

Joint Degree Program students are thus eligible for several targeted scholarships in addition to being eligible for the full range of Law School and Graduate School scholarships and support otherwise offered. We are working to expand even further the support available to our students.



Joint Degree Program Proseminar

The Joint Degree Program Proseminar is a course required of all Joint Degree Program students each Fall and open with permission of the instructors to other Law students with advanced degrees in health or the life sciences. Entitled "Law, Health & the Life Sciences: Joint Degree Program Proseminar," Law 6875 is a one-credit pass/fail seminar that meets Wednesdays over lunch and provides a supportive and collegial forum in which students can explore the interdisciplinary issues our Joint Degree Program addresses with faculty from the cooperating programs and beyond. The roster of speakers changes every year.

In the Fall of 2002, the Proseminar was led by Prof. Susan Wolf, Prof. Colin Campbell, and Dr. Lisa Jones. The schedule featured:

- Profs. Susan Wolf and Suzanne Thorpe on researching interdisciplinary topics
- Prof. John Beatty on eugenics in the U.S., 1910-1940
- Prof. Dan Philippon on the significance of 9/11 for environmental ethics
- Prof. William Toscano on environmental hormones
- Prof. Dan Burk on the social and ethical implications of genes and patenting
- Prof. Donna Arnett on genetic epidemiology
- Prof. Colin Campbell on research ethics
- Prof. Ken Keller on the effect of internet technology on local cultural values
- Prof. Vivek Kapur on social and ethical aspects of genetic testing
- Prof. Jeff Kahn on "group consent" in genetic research
- Ken Liebman, Esq. on social issues raised by medical device work
- Prof. David Somers on agricultural biotechnology
- Prof. Jim Chen on labeling in the food industry



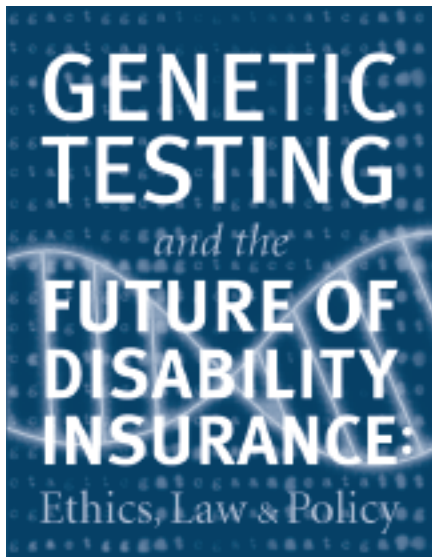
*Prof. Vivek Kapur,
Biomedical Genomics Center,
speaking in the Joint Degree Program
Proseminar class.*

Genetics & Disability Insurance: Ethics, Law & Policy

The Joint Degree Program and the Center for Bioethics are now completing work on a 2-year \$413,912 grant from the National Human Genome Research Institute at NIH to study genetic testing and disability insurance. While the role of genetic testing in health insurance, and to some extent life insurance, has been studied, this project is the first to make such an analysis of disability insurance. The project undertook a comprehensive investigation of the ethical, legal, and policy issues raised by the use of genetic information in private and public disability insurance.

The Joint Degree Program and Center for Bioethics convened a national working group comprised of experts working on the issues raised by genetics, insurance, and disability. The Working Group met 4 times. A national conference on the issues was held on March 14, 2003 at the McNamara Alumni Center at the University of Minnesota. Featured speakers, most of whom were also project members, were **David Christianson** (Vice President, Thrivent Financial for Lutherans, Minneapolis, MN); **John H. Dodge, MD** (Medical Director, UnumProvident, Portland, ME); **Prof. Robert H. Jerry, II, JD** (University of Missouri-Columbia Law School); **Prof. Jeffrey Kahn, PhD, MPH** (Director, Center for Bioethics, University of Minnesota); **Prof. Nancy Kass, ScD** (Johns Hopkins University School of Public Health); **Commissioner Paul Miller, JD** (U.S. Equal Employment Opportunity Commission, Washington, DC); **Prof. Mark A. Rothstein, JD** (University of Louisville School of Medicine); **Prof. Kathryn J. Sedo, JD** (University of Minnesota Law School); **Prof. Anita Silvers, PhD** (San Francisco State University); **Prof. Karen-Sue Taussig, PhD** (University of Minnesota Medical School); and **Prof. Susan M. Wolf, JD** (University of Minnesota Law School, Center for Bioethics, Consortium, Joint Degree Program). The conference website may be found at www.jointdegree.umn.edu/conferences/genetic_testing.php.

We expect the project report and related articles to be published by the *Journal of Law, Medicine & Ethics* in late 2003.



Student Honors & Achievements

Students in the Joint Degree Program continue to excel in their studies. Below is a partial list of their accomplishments in 2002-2003.

Collette Adkins Giese, JD/PhD in Conservation Biology, will be a staff member for *Law & Inequality: A Journal of Theory & Practice* in 2003-04. In Summer 2003 she interned at Earthjustice in Denver, CO and presented her paper on "Resolving Conflicts between Cormorants and Fisheries: Is the U.S. Fish and Wildlife Service Sidestepping Federal Protections for Migratory Birds?" at the 17th Annual Meeting of the Society for Conservation Biology held in Duluth, MN. In Summer 2002, she served as a legal intern at Defenders of Wildlife in Washington, DC.

Trevor Copeland, JD/MS in Molecular, Cellular, Developmental Biology & Genetics, was a 2002-03 Note & Comment Editor for the *Minnesota Intellectual Property Review*.

Glenna Gilbert, JD/MS in Pharmacology, was a staff member for the *Minnesota Intellectual Property Review* in 2002-03. In 2003-04, she will serve as a managing editor for the journal. In Summer 2003, she worked as a patent proofreader at the Minneapolis office of Merchant & Gould.

Melanie Kleiss, JD/MS in Science, Technology & Environmental Policy, was a staff member for the *Minnesota Law Review* in 2002-03 and an intern with the Minnesota Center for Environmental Advocacy in St. Paul. She was one of 3 Law students chosen to participate in the "Impress the President" event held on campus on February 26, 2003. The *Minnesota Law Review* published Melanie's Note on "NEPA and Scientific Uncertainty: Using the Precautionary Principle to Bridge the Gap" in its April 2003 issue (Volume 87, Number 4). In April-August 2003, she studied international environmental law at Humboldt University in Berlin on a Judd Fellowship.

Rebekah Orr, JD/MS in Health Services Research, Policy & Administration, co-authored a paper with Prof. Steven Miles (Center for Bioethics) on "Federal Campaign Donation Strategies of Health Professionals' Political Action Committees." She presented the paper at the American Public Health Association's annual conference in Philadelphia, November 9-13, 2002. During Summer 2003, she participated in Michigan State University's Program on Medical Ethics and the History of Health Care in London.



Part of the 2002 Proseminar class.



*Audience at Prof. Wendy Mariner's
Faegre & Benson lecture.*



*Joint Degree Program students
converse over lunch.*



Joint Degree Program Faculty + Governing Committee

The Joint Degree Program

The Joint Degree Program is run by a faculty Director and Associate Director with the help of a Governing Committee comprised mainly of the Director of Graduate Studies (DGS) or equivalent in each cooperating program plus a Joint Degree Program student elected by his or her peers. Beginning in 2003-04, Prof. Jim Chen (Law School) will become Director of Special Projects.



Profs. Susan Wolf and Vivek Kapur during a Proseminar discussion.

Susan M. Wolf, JD, is the Faegre & Benson Professor of Law at the University of Minnesota Law School, Professor of Medicine at the University of Minnesota Medical School, and a Faculty Member in the University's Center for Bioethics. She is the founding Director of the University's Joint Degree Program and founding Chair of the University's Consortium on Law and Values in Health, Environment & the Life Sciences. She received her AB *summa cum laude* from Princeton University in 1975 and her JD from Yale Law School in 1980, with graduate work at Harvard University.

After clerking for a federal judge and practicing law for several years, in 1984 she became a National Endowment for the Humanities Fellow and then Associate for Law at The Hastings Center, a nonprofit research institute now in Garrison, NY, specializing in bioethics. She also taught law and medicine at New York University Law School for 6 years as an Adjunct Associate Professor. She was a Fellow in the Program in Ethics and the Professions at Harvard University in 1992-93, before joining the Minnesota faculty in the Fall of 1993.

Professor Wolf is the author or coauthor of numerous articles and book chapters that have appeared in the *New England Journal of Medicine*, *Journal of the American Medical Association (JAMA)*, *American Journal of Public Health*, *Hastings Center Report*, *Kennedy Institute of Ethics Journal*, *American Journal of Law & Medicine*, *Journal of Law, Medicine & Ethics*, various law reviews, and other publications. She is editor of *Feminism & Bioethics: Beyond Reproduction* (Oxford University Press, 1996) and directed the Hastings Center project that produced *Guidelines on the Termination of Life-Sustaining Treatment and the Care of the Dying* (Indiana University Press, 1987). She has served on advisory bodies for the American Bar Association (ABA), American Medical Association (AMA), and the American Society for Reproductive Medicine (ASRM). She is a member of the Board of Directors of the American Society for Bioethics and Humanities (ASBH), a Fellow of the Hastings Center, and past chair of the Association of American Law Schools' (AALS) Section on Law, Medicine, and Health Care. She writes frequently on death and dying, genetics, assisted reproduction, women's health care, managed care, and other topics in health law and bioethics.

Colin R. Campbell, PhD, is Associate Professor and Director of Graduate Studies in the Department of Pharmacology at the University of Minnesota Medical School. He is Associate Director of the Joint Degree Program. Prof. Campbell is also an Executive Faculty Member of the University of Minnesota Biomedical Genomics Center.

Prof. Campbell received his BS in Biology from Fairfield University in Connecticut in 1981, and his PhD in Biochemistry from Boston University in 1987. He pursued post-doctoral studies in molecular genetics at the University of Illinois at Chicago and the Albert Einstein College of Medicine in New York, where he was also appointed an Instructor of Molecular Genetics. Prof. Campbell joined the University of Minnesota Pharmacology faculty as an Assistant Professor in 1992, and was promoted to his current rank in 1998.

Prof. Campbell's laboratory focuses on the relationship between nuclear and mitochondrial DNA instability and human pathologies including cancer and aging. Their research has been published in the *Journal of Biological Chemistry*, *Molecular and Cellular Biology*, *Nucleic Acids Research*, and other journals, and has been presented at a numerous national and international scientific meetings. Prof. Campbell's research has most recently been funded by the National Institutes of Health, the American Heart Association, and the American Cancer Society.



Lisa M. Jones, PhD, was named Research Associate to the Joint Degree Program and Consortium in Fall 2002. Dr. Jones's research focuses on the relationship between academic science and industry research. She holds a PhD in Educational Policy and Administration (Higher Education Policy) from the University of Minnesota (2000). Prior to joining the Consortium and Joint Degree Program staff, she worked for 2 years as a Postdoctoral Fellow with the Postsecondary Education Policy Studies Center and the Center for Applied Research and Educational Improvement at the University of Minnesota. Dr. Jones also consults on the "Data-Sharing and Data-Withholding Among Trainees in Science" project based at Massachusetts General Hospital, Boston, MA. Her most recent publications include: "University-Industry Research Collaborations" (*The Encyclopedia of Education*, in press); "Attitudes and Behaviors of Academic Scientists: Industry Relationships, Sharing, and Withholding" (*American Scientist*, 2002); "The Commercialization of Academic Science: Conflict of Interest Policies and the Faculty Consultant" (Proceedings of the Research on Research Integrity Conference (NIH), 2002); and "Entrepreneurs, Secrecy, and Productivity" (*Journal of Technology Transfer*, 2001).



Dr. Lisa Jones, Research Associate to the Consortium, introducing Prof. Wendy Parmet at her Lunch Series lecture.

Governing Committee

In 2002-03 members of the Governing Committee were:

Trevor Copeland, JD, MS is a 2003 graduate of the Joint Degree Program with a JD plus an MS in Molecular, Cellular, Developmental Biology, and Genetics and a Graduate Minor in Bioethics. Mr. Copeland began graduate school in 1998 and focused his research on mammalian primordial germ cell migration during embryonic development. He worked in the laboratory of Profs. Chris Wylie and Janet Heasman. He entered the University of Minnesota Law School in 2000. While in Law School he worked at the law firm of Merchant & Gould as a patent proofreader. Mr. Copeland was a staff member and editor for the *Minnesota Intellectual Property Review*, as well as an active member and officer of the Federalist Society and the Student Intellectual Property Association. For the 2002-03 school year, his peers elected him as their representative to the Joint Degree Program Governing Committee. Beginning in September 2003, Mr. Copeland is now employed by the Chicago intellectual property law firm of Brinks, Hofer, Gilson, & Lione where he will be focusing on biotechnology patent prosecution.

Francesca J. Cuthbert, PhD, is a Professor in the Department of Fisheries & Wildlife and co-Director of Graduate Studies for the Conservation Biology Program. Her research interests include conservation and biology of birds focusing on colonial waterbirds and shorebirds, and recovery of endangered populations using an ecosystem perspective. She received her doctorate at the University of Minnesota.

Bryan E. Dowd, MS, PhD, is Professor and Director of Graduate Studies in the Division of Health Services Research & Policy in the School of Public Health. His primary research interests are markets for health insurance and health care services and the evaluation of non-experimental data. Recently he has directed studies of biased selection, health plan choice, and employers' health insurance purchasing strategies. He received his PhD in Public Policy Analysis from the University of Pennsylvania and an MS from Georgia State University. He teaches health services research methods in the doctoral and master's programs in the Division.

Nancy Eustis, MA, PhD, is Professor and Director of Graduate Studies in the Hubert H. Humphrey Institute of Public Affairs. She also serves on the University's gerontology faculty and is affiliated with the University's Department of Sociology and School of Public Health. She has a particular interest in health care and personal assistance services for older people and people with disabilities. Her research focuses on consumer-directed long-term services and quality and cost-effectiveness of in-home and nursing home care. She also has studied health services planning. She earned a doctorate and a master of arts degree in Sociology from the University of Minnesota.



Governing Committee 2002-03

Front row, L to R: Prof. Betsy Wattenberg, Prof. Susan Wolf, Dean Sharon Reich Paulsen, Prof. Nancy Eustis, Dean Helene Horwitz.

Back row, L to R: Prof. Meg Titus, Dean John Finnegan, Trevor Copeland, Dr. Lisa Jones, Prof. Francesca Cuthbert, Prof. Colin Campbell, Prof. Bryan Dowd, Dean Meredith McQuaid.

Not pictured: Profs. Jeff Kahn, Ken Keller, Claudia Neuhauser, Naomi Scheman, Jocelyn Shaw, David Smith.



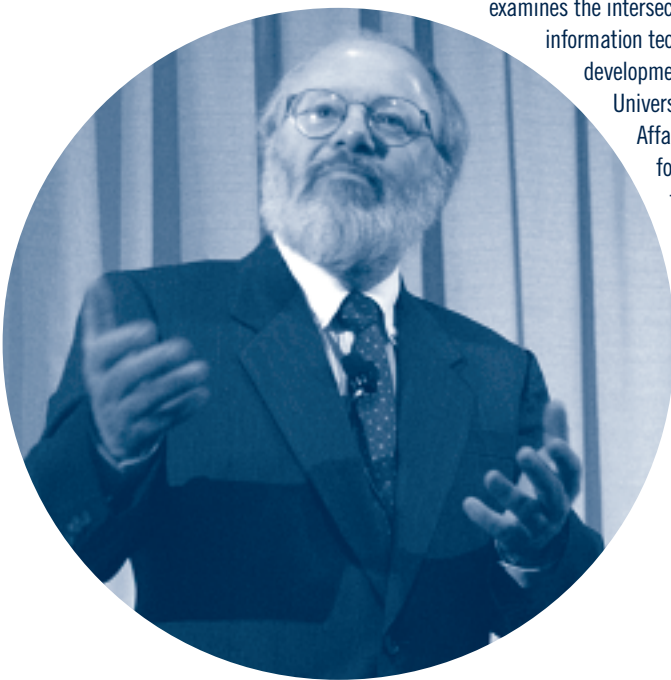
John R. Finnegan, Jr., PhD, is Professor and Associate Dean for Academic Affairs in the School of Public Health. He represents the 5 MPH programs and the School of Public Health on the Governing Committee. His primary research interests are community campaigns, health communication, and mass communication and public health. His recent research projects have involved serving as Principal Investigator of the REACT Study, a community intervention to reduce patient delay in seeking care for heart attack, and also as Principal Investigator of a CDC-funded Public Health Training Center. He recently served as Chair of the Health Communication Division of the International Communication Association. He received his PhD in Mass Communication from the University of Minnesota.

Helene Horwitz, PhD, is the Associate Dean for Student Affairs in the Medical School. Dean Horwitz oversees student services, student counseling including academic and career counseling, the residency application process, coordination of dual and joint degree programs, and related matters. She worked as an academic advisor and career counselor for several years before completing her PhD in Higher Education, with an emphasis on Academic Administration and Planning, at Southern Illinois University. Dean Horwitz has served as chair of the Central Region Group on Student Affairs of the Association of American Medical Colleges (AAMC), and is currently serving as a member of the national Committee on Student Affairs of the AAMC.

Jeffrey P. Kahn, PhD, MPH, is Professor of Medicine and Director of the Center for Bioethics. He also holds graduate faculty appointments in the School of Public Health and Department of Philosophy. Prof. Kahn works in a variety of areas of bioethics including research ethics, ethics and genetics, ethics and organ transplantation, and ethical issues in public health. In addition to numerous scholarly publications, he wrote the bi-weekly column "Ethics Matters" on CNN.com from 1998-2002. During 1994-95, he was Associate Director of the White House Advisory Committee on Human Radiation Experiments and continues to serve on numerous state and federal advisory panels. He earned his MPH at Johns Hopkins University and PhD at Georgetown University.

Kenneth H. Keller, PhD, is the Charles M. Denny, Jr., Professor of Science, Technology, and Public Policy in the Hubert H. Humphrey Institute of Public Affairs where he directs the Center for Science, Technology and Public Policy. He also holds an appointment in the Department of Chemical Engineering and Materials Science. His current research examines the intersection of science and technology with international affairs. His recent writings have dealt with information technology and national sovereignty, the environment, the globalization of research and development, and policy issues in high-technology medicine. He has spent most of his career at the University of Minnesota where he joined the faculty in 1964, became Vice President for Academic Affairs in 1980, and University President in 1985. From 1990 to 1996, he was Senior Fellow for science and technology at the Council on Foreign Relations and, for 2 of those years, the Council's Senior Vice President for Programs. He earned a Master's degree and doctorate in Chemical Engineering from Johns Hopkins University.

Meredith M. McQuaid, JD, is Associate Dean of Students and Director of International and Graduate Programs in the Law School. She supervises the LLM program for foreign lawyers and oversees exchange programs as well as joint degree programs for Law School students. She received her Linguistics degree and her JD degree *cum laude* from the University of Minnesota. She currently serves on the China Center Advisory Board and is a consultant to the Mongolian Professional Fellowship Program, a project of the Open Society Institute in New York.



*Prof. George Annas, Boston University,
at the privacy conference.*

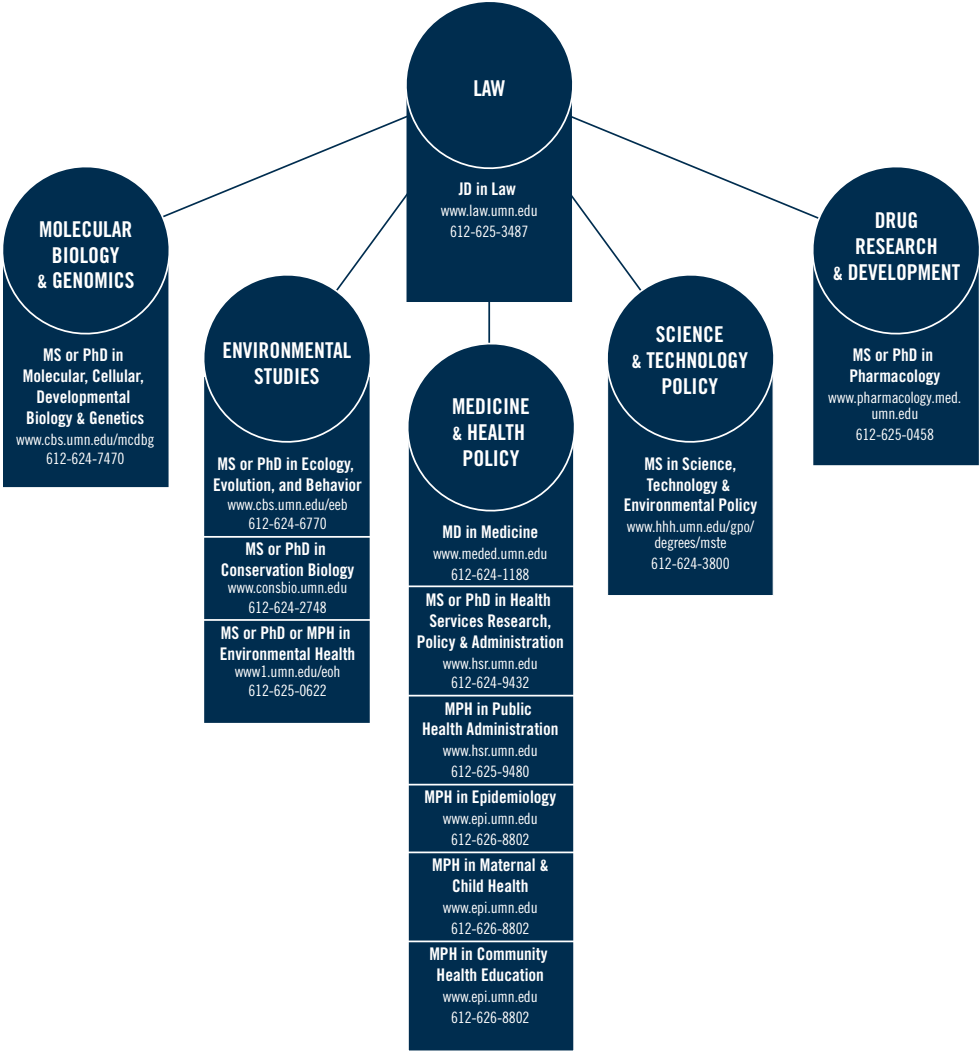


Claudia Neuhauser, PhD, is Professor and Director of Graduate Studies in the Department of Ecology, Evolution, and Behavior. She is an applied mathematician. Her research interests are ecology and genetics, where she studies the role of local spatial interactions in community dynamics and how selection affects genealogies. These investigations are theoretical, relying on mathematical models, analytical methods, and partially on computer simulations. Prior to her appointment at the University of Minnesota, she held faculty appointments at the University of Southern California and the University of Wisconsin in Madison. She received her Master's degree at the University of Heidelberg, Germany, and her doctorate from Cornell University.

Sharon L. Reich Paulsen, JD, is Associate Dean for Administration, Legal Writing, Moot Court, and Trial Practice in the Law School. Dean Paulsen has lectured inside and outside the University community on evidence, ethics, litigation, legal writing, and legal education issues. She received her BA *summa cum laude* from Yale University and her JD at Stanford Law School where she was Note Editor of the *Stanford Law Review*. After law school, she clerked for the Honorable Harlington Wood, Jr. of the U.S. Court of Appeals for the Seventh Circuit, and then worked at the U.S. Department of Justice, where she served as a trial attorney from 1984 through 1988. Dean Paulsen is a member of the Committee on Bar Admissions and Lawyer Performance of the Association of American Law Schools, the Minnesota State Bar Association Task Force on the ABA Model Rules of Professional Conduct, and she serves on the Boards of Directors of the MacPhail Center for Music and the Loan Repayment Assistance Program of Minnesota. She is a past co-chair of the Women in the Legal Profession committee of the Minnesota State Bar Association and a former member of the Lawyers Professional Responsibility Board.



Dean Mark Becker, School of Public Health, listens to a question at the privacy conference.



Structure of the Joint Degree Program.





Frank Cerra, MD, Senior Vice President for Health Sciences, and Regent Patricia Simmons, MD, confer prior to the conference on health privacy.



Audience at Prof. Allan Brandt's Faegre & Benson lecture.



Prof. Alan DeCherney, UCLA, speaking at the symposium on assisted reproduction.

Naomi B. Scheman, PhD, is Professor of Philosophy and Women's Studies and was from September 2000 to June 2003 an Associate Dean of the Graduate School. Prof. Scheman served on the Governing Committee as the liaison between the Graduate School and the Joint Degree Program. Her recent work focuses on the role that social responsibility and social justice ought to play in the conceptualization and practice of university research. She is one of the co-creators of GRASS (Grass Roots Activism, Sciences, and Scholarship) Routes, a new University initiative. Its mission is to support university/community partnership research through education and training, helping community organizations find compatible University research partners, working with collaborative research teams when they experience conflict or roadblocks, and assisting with dissemination of research findings in ways that will be useful and empowering to community partners and to faculty and graduate students. She received her doctorate from Harvard University.

Margaret A. Titus, PhD, is Associate Professor in the Department of Genetics, Cell Biology, and Development and Director of Graduate Studies of the Graduate Program in Molecular, Cellular, Developmental Biology & Genetics. Her research laboratory focuses on cellular functions of unconventional myosins in both the simple eukaryote *Dictyostelium discoideum* and the nematode *Caenorhabditis elegans*. The studies are conducted through a combined approach that includes genetic, molecular genetic, cell biological, and biochemical techniques. Prof. Titus received her doctorate from Brandeis University.

Elizabeth V. Wattenberg, PhD, is Professor and Director of Graduate Studies in the Division of Environmental and Occupational Health in the School of Public Health. Her laboratory investigates the molecular mechanisms by which carcinogenic agents interfere with the signaling pathways that control cell fate and function. Understanding this may help predict how environmental chemicals affect carcinogenesis and lead to methods for preventing and treating cancer. Prior to her appointment at the University of Minnesota, she worked at the Minnesota Department of Health on issues concerning health risk assessment and environmental regulation. She received her doctorate from the Massachusetts Institute of Technology.



Faculty Roster

Beyond the core group of faculty members directly involved in Joint Degree Program governance, a larger roster of faculty members is available to work with our students:

Law

Befort, Stephen F.
Burk, Dan L.
Burkhart, Ann M.
Chen, Jim
Cooper, Laura J.
Farber, Daniel A.
Gifford, Daniel J.
Grodsky, Jamie A.
Gross, Oren
Marshall, Donald G.
McGowan, David
Morrison, Fred L.
Okediji, Ruth L.
Wolf, Susan M.

Molecular, Cellular, Developmental Biology & Genetics (MCDB&G)

Ahrens, Mary Ellen J.
Baker, Janice A.
Baldinger, Shari R.
Bardwell, Vivian J.
Behrens, Timothy W.
Berman, Judith G.
Berry, Susan A.
Boland, Linda M.
Brambl, Robert M.
Brooker, Robert J.
Chen, Lihua
Clarke, Duncan J.
Conklin, Kathleen F.
Conrad, Beth Ann
Couch, Vicki L.
Coucovanis, Electra C.
Ekker, Stephen C.
Elde, Robert P.
Fox, MaryAnn V.
Garza, Judy
Goldstein, Stuart F.
Gustin, Joy Ann
Hackett, Perry B.
Hamilton, David W.
Hatten, Bonnie A.
Hays, Tom S.
Herman, Robert K.
Hirsch, Betsy A.
Hogquist, Kristin A.
Iwanij, Victoria

Jameson, Stephen C.
Johnson, Ross G.
King, Richard A.
Kirkpatrick, David T.
Kuriyama, Ryoko
Largaespada, David A.
LeRoy, Bonnie S.
Lefebvre, Paul A.
Letourneau, Paul C.
Linck, Richard W.
Livingston, Dennis M.
Magee, Paul T.
Mariash, Cary N.
Marker, Paul C.
Marks, M. David
McCarthy, James B.
McIvor, R. Scott
McLoon, Steven C.
Mendelsohn, Nancy J.
Mescher, Matthew F.
Miller, Jeffrey R.
Moser, Kathy L.
Nelson, Katherine A.
Neufeld, Thomas P.
O'Connor, Michael B.
Olszewski, Neil E.
Orr, Harry T.
Phillips, Ronald L.
Porter, Mary E.
Ranum, Laura P.
Roggenbuck, Jennifer A.
Rougvie, Ann E.
Rubin, Karol R.
Schottel, Janet L.
Selleck, Scott B.
Shaw, Jocelyn E.
Shawlot, William
Shimizu, Yoji
Silflow, Carolyn D.
Simmons, Michael J.
Simon, Jeffrey A.
Skubitz, Amy P.
Snustad, D. Peter
Somia, Nikunj V.
Sorenson, Robert L.
Spear, Alysia B.
Steer, Clifford J.
Titus, Margaret A.
Towle, Howard

Van Ness, Brian G.
Verfaillie, Catherine M.
Vockley, Catherine W.
Whitley, Chester B.
Wick, Susan M.
Zarkower, David A.

Ecology, Evolution, and Behavior

Alstad, Donald N.
Andow, David
Barnwell, Franklin H.
Beatty, John
Brezonik, Patrick L.
Cotner, James B.
Curtsinger, James W.
Cushing, Edward J.
Dean, Antony M.
Finlay, Jacques C.
Frelich, Lee E.
Galatowitsch, Susan M.
Hobbie, Sarah E.
Jansa, Sharon A.
Johnson, Thomas C.
King, Jennifer Y.
Lanyon, Scott M.
Larson, Diane
Lehman, Clarence L.
May, Georgiana
McFadden, Joseph P.
Mech, L. David
Megard, Robert O.
Morrow, Patrice A.
Neuhauser, Claudia
Newman, Raymond M.
Oberhauser, Karen S.
Packer, Craig
Pastor, John J.
Polasky, Stephen
Regal, Philip J.
Reich, Peter B.
Sadowsky, Michael J.
Shaw, Ruth G.
Simmons, Michael J.
Simons, Andrew
Sinha, Akhouri A.
Sorensen, Peter W.
Starfield, Anthony M.
Stephens, David W.
Sterner, Robert W.

Stromberg, Bert E., Jr.
Strong, Ellen E.
Sugita, Shinya
Tiffin, Peter L.
Tilman, G. David
Weller, Susan J.
Zink, Robert M.

Conservation Biology

Adelman, Ira R.
Allan, Deborah L.
Alstad, Donald N.
Andersen, David E.
Anderson, Charles S.
Anderson, Dorothy H.
Andow, David
Ankley, Gerald T.
Archibald, Sandra O.
Arnold, Todd W.
Barnwell, Franklin H.
Bauer, Marvin E.
Beatty, John
Bell, Jay
Bengston, David
Blair, Robert B.
Blinn, Charles R.
Bolstad, Paul V.
Bowyer, Jim L.
Burk, Thomas E.
Cardwell, Vernon B.
Carey, Eileen V.
Coggins, Jay S.
Cohen, Yosef
Corbin, Kendall W.
Curtsinger, James W.
Cushing, Edward J.
Cuthbert, Francesca J.
Easter, K. William
El Halawani, Mohamed E.
Ellefson, Paul V.
Fiutak, Thomas R.
Frelich, Lee E.
Fulton, David C.
Galatowitsch, Susan M.
Garshelis, David L.
Haight, Robert G.
Hatch, Jay T.
Homans, Frances R.
Jannett, Frederick J.
Jansa, Sharon A.

Jordan, Nicholas R.
Jordan, Peter A.
Kapuscinski, Anne R.
Karanth, K Ullas
Lang, Jeffrey W.
Lanyon, Scott M.
Larson, Diane
Lehman, Clarence L.
Loefering, John P.
Mech, L. David
Miller, Loren M.
Morrow, Patrice A.
Nelson, Kristen C.
Neuhauser, Claudia
Newman, Raymond M.
Niemi, Gerald J.
Oberhauser, Karen S.
Pereira, Donald L.
Perry, James A.
Philippon, Daniel J.
Polasky, Stephen
Pusey, Anne E.
Redig, Patrick T.
Regal, Philip J.
Reich, Peter B.
Richards, Carl
Runge, C. Ford
Samatar, Abdi Ismail
Schneider, Ingrid E.
Shaw, Ruth G.
Simons, Andrew
Siniiff, Donald B.
Smith, James L.
Sorensen, Peter W.
Spangler, George R.
Squires, Roderick H.
Starfield, Anthony M.
Sterner, Robert W.
Strong, Ellen E.
Sugita, Shinya
Swain, Edward B.
Tilman, G. David
Tilson, Ronald L.
Vondracek, Bruce
Western, David
Zink, Robert M.



Environmental Health

Adgate, John L.
 Alexander, Bruce H.
 Bender, Alan
 Brosseau, Lisa M.
 Campbell, Colin R.
 Carpenter, Hillary M.
 Church, Timothy R.
 French, Lewis R.
 Gerberich, Susan G.
 Goyal, Sagar M.
 Greaves, Ian A.
 Hedberg, Craig W.
 Holtzman, Jordan L.
 Lungu, Claudiu T.
 Maldonado, George
 Mandel, Jeffrey H.
 McCullough, Nicole V.
 McGovern, Patricia M.
 Messing, Rita B.
 Olson, Debra K.
 Peterson, Lisa A.
 Ramachandran, Gurumurthy
 Raynor, Peter C.
 Roy, Robert R.
 Sexton, Ken W.
 Simcik, Matt F.
 Skoglund, Robert S.
 Smith, Kirk E.
 Sparber, Sheldon B.
 Swackhamer, Deborah L.
 Toscano Jr, William A.
 Vesley, Donald
 Wattenberg, Elizabeth V.

Medicine

A complete list of Medical School Faculty may be found in the Medical School Catalog on-line at www.catalogs.umn.edu/tcmed/dept.html

Health Services Research, Policy and Administration

Abraham, Jean M.
 Begun, James W.
 Bershadsky, Boris
 Blewett, Lynn A.
 Call, Kathleen Thiede
 Christianson, Jon B.
 Connor, Robert A.
 Dahl, Tor
 Dowd, Bryan E.
 Feldman, Roger D.
 Finch, Michael D.
 Foote, Susan Bartlett
 Garrard, Judith M.
 Grant, Leslie Alan
 Holtzman, Jeremy L.
 Jonk, Yvonne Catharin M.
 Kane, Robert L.
 Kane, Rosalie A.
 Kralewski, John E.
 McBean, A. Marshall
 McAlpine, Donna D.
 Moscovice, Ira S.
 Nyman, John A.
 Parente, Stephen T.
 Potthoff, Sandra J.
 Radosevich, David M.
 Riley, William J.
 Rockwood, Todd H.
 Speedie, Stuart M.
 Town, Robert J.
 Virnig, Beth A.
 Weckwerth, Vernon E.
 Wholey, Douglas R.
 Wilson, Amy Reed

Public Health Administration

Baizerman, Michael L.
 Block, Lester E.
 Blum, Robert W.
 Brown, Judith E.
 Garrard, Judith
 Garwick, Ann E.
 Gerberich, Susan G.
 Grant, Leslie A.
 Hellerstedt, Wendy L.
 Leonard, Barbara J.
 McBean, A. Marshall
 McGovern, Patricia M.
 Resnick, Michael D.
 Schacht, Lee E.
 Spradley, Barbara A.
 Veninga, Robert L.

Epidemiology, Maternal & Child Health, and Community Health Education

Anderson, Kristin E.
 Arnett, Donna
 Crow, Richard S.
 Desvarieux, Moise
 Duval, Susan J.
 Finnegan, John R., Jr.
 Flood, Andrew
 Folsom, Aaron R.
 Forster, Jean L.
 French, Simone
 Gross, Myron D.
 Gurney, James G.
 Harnack, Lisa J.
 Hedberg, Craig W.
 Hennrikus, Deborah J.
 Himes, John H.
 Jacobs, David R., Jr.
 Jones-Webb, Rhonda J.
 Komro, Kelli A.
 Krinke, Bea
 Lando, Harry A.
 Lazovich, Deann
 Luepker, Russell V.
 Lytle, Leslie A.
 Mertens, Ann C.
 Miller, Michael

Neumark-Sztainer, Dianne
 Oakes, Michael
 Oberg, Chuck
 Pankow, James
 Pereira, Mark
 Perry, Cheryl
 Pirie, Phyllis
 Robison, Leslie
 Ross, Julie
 Rothenberger, James
 Schmitz, M. Kathryn
 Schreiner, Pamela
 Shahar, Eyal
 Steffen, Lyn
 Story, Mary
 Sweeney, Carol
 Toomey, Traci
 Van Ryn, Michelle
 Wagenaar, Alexander

Science, Technology & Environmental Policy

Abrahamson, Dean E.
 Archibald, Sandra O.
 Keller, Kenneth H.
 Markusen, Ann R.
 Munnich, Lee W.
 Schuh, G. Edward

Pharmacology

Burton, Frank H.
 Campbell, Colin R.
 Connell, Gregory J.
 Conti-Fine, Bianca M.
 Dunham, Earl W.
 Elde, Robert P.
 El-Fakahany, Esam E.
 Fairbanks, Carolyn A.
 Gewirtz, Jonathan C.
 Hanna, Patrick E.
 Hecht, Stephen S.
 Hiasa, Hiroshi
 Holtzman, Jordan L.
 Hunninghake, Donald B.
 Lange, Carol A.
 Law, Ping-Yee
 Lee, Hon Cheung

Romero, Daniel P.
 Roy, Sabita
 Loh, Horace H.
 Marchant, Jonathan S.
 Messing, Rita B.
 Pei, Duanqing
 Pentel, Paul R.
 Portoghese, Philip S.
 Seybold, Virginia S.
 Shebuski, Ronald J.
 Sinaiko, Alan R.
 Sladek, Norman Elmer
 Sparber, Sheldon B.
 Sundaram, Ramakrishnan
 Thayer, Stanley A.
 Walseth, Timothy F.
 Wattenberg, Elizabeth V.
 Wei, Li-Na
 Wickman, Kevin D.
 Wilcox, George L.
 Wood, W. Gibson
 Yee, Douglas
 Zimmerman, Ben G.

Center for Bioethics

Bartels, Dianne
 Bebeau, Muriel
 Burk, Dan
 Cranford, Ronald
 DeBruin, Debra
 DeVries, Raymond
 Elliot, Carl
 Elliott, Barbara
 Kahn, Jeffrey P.
 Kahn, Jonathan
 Kane, Rosalie
 Liaschenko, Joan
 Mayo, David
 Miles, Steven
 Plotnikoff, Gregory
 Ratner, Edward
 Song, John
 Taussig, Karen-Sue
 Virnig, Beth
 Valapour, Maryam
 Wolf, Susan M.



Joint Degree Program Advisory Board

The Joint Degree Program is indebted to an active and growing Advisory Board including:

Peter Bachman, JD, retired this Spring as the Executive Director (1995-2003) of the Minnesota Center for Environmental Advocacy (MCEA), one of the nation's premier state-based environmental advocacy groups. Under his leadership, the organization tripled in size to a staff of 17, including 6 attorneys, scientists, lobbyists, and communications experts. He is a leading advocate for better environmental protection in Minnesota, particularly in areas of public health, water quality, land use, and wildlife and natural resources. Prior to joining MCEA in 1995, he practiced environmental and governmental law for 13 years, including serving as legal counsel to the Metropolitan Council; Special Counsel to the City of Minneapolis for land use matters; and at Leonard, Street and Deinard, P.A., as private counsel to numerous units of government, large corporations and developers in land use and environmental matters. He is the founder of the Minnesota Environmental Partnership, a coalition of over 70 Minnesota environmental and conservation organizations. He has served on the boards of several environmental and conservation organizations. Mr. Bachman received a BA in Philosophy from the University of Minnesota and a JD *cum laude* from William Mitchell College of Law. With his retirement, Mr. Bachman is leaving the Joint Degree Program's Advisory Board.

Ronald A. Daignault, JD, PhD, is a partner at Merchant & Gould, PC. He practices general intellectual property law with an emphasis on counseling including opinions on validity and infringement, adversarial matters including interferences and oppositions, filing and prosecuting patents in the chemical and pharmaceutical arts, as well as negotiating and preparing license agreements in these fields. During his 29 years in the pharmaceutical industry, he spent his first 5 years as a chemist developing commercially viable processes for the manufacture of new drugs. His patent experience extends to all major types of therapeutic agents, with particular expertise in preparation and prosecution, litigation, licensing and opposition practice worldwide, especially in the area of antibiotics. Prior to joining Merchant & Gould, Dr. Daignault managed the patent department in Ann Arbor, MI, for Warner-Lambert Company and was responsible for patent matters and licensing related to the pharmaceutical area of the company with a particular focus on the Parke-Davis Pharmaceutical Research Division. Dr. Daignault received his PhD in Organic Chemistry from the University of Notre Dame and his JD from Seton Hall University.

Mark Ellinger, JD, PhD, is the Managing Principal in the Twin Cities office of Fish & Richardson PC, one of the country's largest intellectual property law firms. Dr. Ellinger's practice emphasizes patent prosecution, opinions, due diligence investigations, and licensing and counseling in the medical biotechnology, agricultural biotechnology, diagnostic, pharmaceutical, and medical science fields. His practice has involved subject matter such as genomics, proteomics, gene therapy, xenotransplantation, transgenic animals, transgenic plants, metabolic engineering, immunoassays, nucleic acid-based assays, antisense technology, nucleic acid analogues, microarrays, vaccines, stem cells, medical devices, food science, and potential treatments for diseases such as cardiovascular disease, cancer, allergy, arthritis, diabetes, and Alzheimer disease. Dr. Ellinger received his JD from Harvard University and his PhD in Developmental Biology from the University of Minnesota.

Konrad J. Friedemann, JD, is President of Fredrikson & Byron, P.A. He also serves on its Executive Committee and Board of Directors. He helped establish the firm's Health Law Practice Group, which he chaired for 10 years. He is also a member of Fredrikson & Byron's Medicare Fraud & Compliance Group, Nonprofit Group, and Business & Tax Planning Group. He represents a wide variety of health care clients, ranging from hospitals and physician groups to HMOs. He has extensive experience in corporate work, joint ventures, regulatory compliance and investigations, and health care contracting. He has been recognized by his peers as one of the best health care lawyers in the country since the national directory *Best Lawyers in America* began recognizing health law as a category in 1991. Mr. Friedemann received his JD from the University of Michigan and his undergraduate degree from Wesleyan University.

Philip M. Goldman, JD, MS, Fredrikson & Byron, PA, joined Fredrikson & Byron's Intellectual Property Group in 1992, after serving for 10 years in 3M's Office of Intellectual Property Counsel. He holds a BS in Biochemistry and an MS in Microbiology, has completed pre-doctoral work in radiation and molecular biology, and has worked as a research biochemist. Mr. Goldman's intellectual property experience includes all aspects of U.S. and international matters relating to the health, animal, and agricultural industries, with a particular focus on obtaining, licensing, and enforcing patents in the biomedical and biochemical areas. He is on the Board and is the immediate past-President of the 600+ member Minnesota Intellectual Property Law Association (MIPLA). Mr. Goldman received his JD from William Mitchell College of Law and his MS from Colorado State University.



*Advisory Board members
Paul Saveride, Esq. and Mark Ellinger, Esq.
at the Fall 2002 Advisory Board reception.*



*Philip M. Goldman, Esq., host of the
Fall 2002 Advisory Board reception.*



*Prof. Colin Campbell, Associate Director
of the Joint Degree Program, and Melanie
Kliess, Joint Degree Program student,
at the Fall 2002 Advisory Board reception.*



Hubert (Skip) H. Humphrey, III, JD, is a Senior Fellow in Public Health Policy and Law in the Division of Epidemiology at the University's School of Public Health, Senior Vice President at GCI Tunheim, and a former Minnesota Attorney General. As a longtime advocate for non-smoking, Mr. Humphrey was the first attorney general in the nation to bring an antitrust and consumer fraud lawsuit against the tobacco industry, reaching a landmark settlement. In 1999, he was awarded the Tobacco Free World Prize by the World Health Organization for his efforts. Mr. Humphrey holds a JD from the University of Minnesota Law School and a bachelor's degree from American University.



Rep. Phyllis Kahn, PhD, MPA, is a member of the Minnesota legislature serving her 16th term. Her legislative interests include issues dealing with pension and investment policy, science and technology (most recently DNA testing and the role of biotechnology in agriculture), information policy, natural resources, and women's rights. She has been the chief author of the Minnesota Clean Indoor Air Act (controlling smoking in public places), the computer crime and computer virus laws, and legislation on nuclear safety, radioactive waste disposal, field tests of genetically modified crops, and infectious waste disposal. She has also authored laws to require gender equity in athletics and laws prohibiting discrimination based on age or disability. She has been instrumental in obtaining funding for parks, trails, historic preservation, art-enhancement of state buildings, and the expansion of community and urban forests. She has served on many national committees, particularly in the field of science and public policy. She has been elected a Fellow of the American Association for the Advancement of Science (AAAS) and the Chair of the AAAS section on "General Interest in Science and Engineering." She received a BA in Physics from Cornell, a PhD in Biophysics from Yale, and an MPA from the J.F.K. School of Government at Harvard University.

Joint Degree Program Advisory Board

*Front row, L to R: Ruth Mickelsen, Esq.,
Ron Daignault, Esq., Prof. Susan Wolf,
Peter Bachman, Esq.*

*Back row, L to R: Margo Struthers, Esq.,
Paul Savereide, Esq., Dr. Lisa Jones,
Rep. Phyllis Kahn, Mark Rotenberg, Esq.,
Phil Goldman, Esq.*

*Not pictured: Ken Liebman, Esq.,
Win Rockwell, Esq., Ann Russell, Esq.,
Debra Shetka, Esq.*

Kenneth A. Liebman, JD, Faegre & Benson LLP, is Chair of Faegre & Benson's Intellectual Property Group. He served as lead counsel for the University of Minnesota in its patent licensing litigation with Glaxo Wellcome over the AIDS drug Ziagen. The case settled with the defendant recognizing the validity of the University's patents and agreeing to pay royalties estimated to be \$300 million over the life of the patents. The settlement is reported to be the largest ever obtained by any public university in patent license litigation. He has also been an Adjunct Professor at the University of Minnesota Law School and William Mitchell Law School. Mr. Liebman received his JD from Yale Law School.

Ruth A. Mickelsen, JD, MPH, is Vice President of Ethics and Compliance for Allina Hospitals and Clinics, a nonprofit health care organization that includes community and tertiary care hospitals and a multi-clinic physician organization. Allina is headquartered in Minneapolis. She has been an Adjunct Professor of Health Law at the University of Minnesota Law School and William Mitchell College of Law. She was appointed a Distinguished Practitioner in Residence at William Mitchell College of Law during the 1999-2000 academic year. She is a member of the Board of Directors of the American Society of Law, Medicine & Ethics (ASLME) and a past-President of ASLME. She is also a legal advisor to the Minnesota Center for Healthcare Ethics. Ms. Mickelsen is co-author of *Law and Mental Health Professionals* (revised 1998) and a writer and lecturer on issues of health law, policy, and ethics. Ms. Mickelsen was awarded a Bush Leadership Fellowship in 1985 and has been named a leading health law lawyer by the *Minnesota Business Guidebook to Law and Leading Attorneys*. Ms. Mickelsen received her JD from William Mitchell College of Law and her MPH from Harvard University.

Winthrop A. Rockwell, JD, Faegre & Benson LLP, concentrates on commercial and product liability litigation. He is head of Faegre & Benson's General Litigation Group, which concentrates in the areas of agribusiness litigation, appellate practice, drug and device litigation, environmental litigation, insurance, media/First Amendment litigation, and privacy. Mr. Rockwell served for 6 months in 1979 as Associate General Counsel of President Carter's Commission on the Accident at Three Mile Island. He has served as a board member of various Minnesota nonprofit organizations and is currently a member of the Board of Directors of the Minnesota Center for Book Arts. Mr. Rockwell is a Fellow of the British-American Project founded by the Royal Institute of International Affairs and the Johns Hopkins University School of Advanced International Studies. Before law school, he worked on the Foreign Desk of the *New York Times* and as an Assistant to the President of Dartmouth College. Mr. Rockwell received his AB from Dartmouth College and his JD from New York University.



Mark Rotenberg, JD, MA, MPhil, has served as the University of Minnesota's General Counsel since 1992. Previously he was a partner at Dorsey & Whitney, specializing in employment litigation and labor law. He served in the Department of Justice's Office of Legal Counsel, which provides legal counsel to the President, the White House staff, and heads of the executive departments. Mr. Rotenberg also served as a law clerk to the Honorable Patricia M. Wald, U.S. Court of Appeals, District of Columbia Circuit. He earned his BA *magna cum laude* from Brandeis University and MA, MPhil, and JD degrees from Columbia University, where he also served as an Editor of the *Columbia Law Review*. He is a member of the American Law Institute (ALI), and is an Adjunct Professor in both the Law School and the College of Liberal Arts of the University of Minnesota.

Ann L. Russell, JD, MSW, is a lawyer with 20 years of experience in advising health care entities. Currently an Associate Counsel for Catholic Health Initiatives, a national nonprofit organization with over a hundred hospitals, clinics, and skilled nursing facilities, she has also represented the University of Minnesota Hospital and Clinic and Hennepin County Medical Center and Community Health Department. Ms. Russell has extensive experience in advising health care providers on transactional, operational, regulatory, and patient care matters as well as ethical dilemmas. She is currently a member of the Ethics Committees of Fairview University Health Center and Hennepin County Medical Center, and serves on the Ethics Advisory Committee to the Archbishop of St. Paul, MN. She served for 10 years on the Advisory Board to the University of Minnesota Center for Bioethics. Ms. Russell is a frequent speaker on ethical issues and teaches biomedical ethics at William Mitchell College of Law. Prior to practicing law, Ms. Russell was a psychiatric social worker in the Hennepin County Mental Health Center for 10 years.

Paul Savereide, JD, PhD, is a Senior Attorney at Cargill, Inc., specializing in intellectual property law. Prior to working at Cargill, he was Corporate Patent Counsel for Chiron Corporation in Emeryville, CA. He also worked as an associate with the Minneapolis office of the Dorsey & Whitney law firm. Mr. Savereide earned both his PhD in Cell and Developmental Biology and his JD from the University of Minnesota. He is a member of the Minnesota Bar and is registered to practice before the U.S. Patent and Trademark Office as a Patent Attorney.

Debra A. Shetka, JD, is Of Counsel to Morrison & Foerster, LLP in their Palo Alto office. She is a frequent speaker on biotechnology patent issues and has lectured on patent interference law at Stanford University, Santa Clara University School of Law, and the University of Washington. Her practice focuses on life science patent law with a special emphasis on patent interferences and appeals to the Court of Appeals for the Federal Circuit. Ms. Shetka was involved in 2 especially important Federal Circuit appeals addressing the patentability of DNA sequences as principal author in an appeal on behalf of Chiron Corporation and as *amicus curiae* on behalf of the Biotechnology Industry Organization and the Bay Area Bioscience Center. Ms. Shetka received her law degree at the University of Minnesota where she was Editor-in-Chief of the *Journal of Law & Inequality*. After law school, she clerked for the Honorable Daniel M. Friedman, U.S. Court of Appeals for the Federal Circuit.

Margo S. Struthers, JD, Oppenheimer Wolff & Donnelly LLP, is Chair of the firm's Health Law Practice Group. She represents a variety of health care clients, including hospitals and other health care providers, provider associations, managed care and other insurance companies, and medical manufacturers. Her practice involves organizational structure and other issues affecting nonprofit, professional, and business organizations in health care. She also has substantial experience related to health care contracts, institutional and professional licensure, HMO and insurance regulation, fraud and abuse and other compliance issues, director and officer liability, conflict of interest and tax exemption issues, medical staff bylaws and credentialing, bioethical issues, and health information and confidentiality issues. In addition to being an active member and past-Chair of the Minnesota State Bar Association Health Law Section, she is a member of the American Health Lawyers Association and is a past-President of the Minnesota chapter of the former American Academy of Healthcare Attorneys. Ms. Struthers has also written and lectured extensively on a variety of health care, third-party payment, tax exemption, and other nonprofit organization issues. She received her JD at the University of Minnesota.



Ron James, President and CEO of the Center for Ethical Business Cultures, and Hubert H. Humphrey, III, Senior Fellow at the University of Minnesota's School of Public Health, served as commentators for Prof. Brandt's Faegre & Benson lecture.





The Joint Degree Program and the University's Center for Bioethics have been working closely with Prof. Amos S. Deinard, Jr. (pediatrics) and his sister Miriam Kelen to establish the Deinard Memorial Lecture on Law & Medicine. The inaugural lecture will take place on February 26, 2004. Prof. Troyen Brennan, JD, MD of Harvard University, will be the featured speaker. Please watch our website at www.jointdegree.umn.edu for details.

www.jointdegree.umn.edu

The top screenshot displays the 'Joint Degree Program in Law, Health & the Life Sciences' page. The header features the ADA logo and the text 'Joint Degree Program in Law, Health & the Life Sciences' and 'UNIVERSITY OF MINNESOTA'. A large banner image shows a bridge over water. The main content area is titled 'Why a Joint Degree' and lists benefits for students, including interdisciplinary training, enhanced research opportunities, and a strong network of professionals. The bottom screenshot shows the 'Degree Programs' page. It features a list of programs under the heading 'Degree Programs'. The programs listed are: JAGHHS in Health Services Research, JAGHHS in Health Services Research, JAGHHS in Health Services Research, JAGHHS in Community Health Education, JAGHHS in Epidemiology, JAGHHS in Maternal and Child Health, and JAGHHS in Public Health Administration. The page also includes a sidebar with links to 'About the Program', 'Admission & Financial Policy', and 'Degree Programs'.



Consortium on Law and Values in Health, Environment & the Life Sciences™

UNIVERSITY OF MINNESOTA

Consortium Members

As the Joint Degree Program recruits and trains gifted students to tackle interdisciplinary problems in health and the life sciences, the Consortium links leading centers and programs at the University of Minnesota to do the same. The member centers and programs are described below.

The **Joint Degree Program** (www.jointdegree.umn.edu) is represented by its founding Director, Prof. Susan Wolf, Faegre & Benson Professor of Law and Professor of Medicine, and Associate Director Prof. Colin Campbell, Associate Professor and Director of Graduate Studies in the Department of Pharmacology.

The **Center for Bioethics** (www.bioethics.umn.edu) strives to advance and disseminate knowledge concerning ethical issues in health care, biomedicine, and the life sciences. The Center conducts original interdisciplinary research, offers educational programs and courses, fosters public discussion and debate through community outreach activities, and assists in the formulation of public policy. The Center is directed by Prof. Jeffrey Kahn, Professor of Medicine, Philosophy, and Health Services Research & Policy.

The **Biomedical Genomics Center** (www.bmgc.umn.edu) was created as a part of the University of Minnesota Genomics Initiative to advance genomics research as it applies to human and animal health and to foster intercollegiate programs. Directed by Prof. Ashley Haase, Regents' Professor and Head of Microbiology, with co-Director Prof. Vivek Kapur, Professor of Veterinary Pathobiology and Microbiology, the Center is learning how to apply the vast amounts of information provided by sequencing of human, animal, and microbial genomes to find new ways to treat and prevent disease.

The **Center for Microbial and Plant Genomics** aims to make the University of Minnesota a world leader in microbial and plant genomics by fostering research and education while building public awareness of genomics and its applications in a societal and ethical context. The Center is led by Prof. Ronald Phillips, Regents' Professor and McKnight Presidential Chair in Genomics.

The **Stem Cell Institute** (www1.umn.edu/stemcell) works to further basic research in genetics and genomics, translate basic research into novel therapies for genetic and degenerative disorders, apply new stem cell-based therapies in the clinic, advance and disseminate knowledge concerning the biology and physiology of stem cells, foster and increase public awareness of stem cells and their potential clinical applications, and address ethical issues in stem cell biology and therapies. The Center is directed by Prof. Catherine Verfaillie, McKnight Presidential Chair in Stem Cell Biology.

The **Institute of Human Genetics** (www.ihg.med.umn.edu) is committed to educating and training students for opportunities in biomedical research and clinical practice. Research areas at the Institute include behavioral genetics, clinical genetics, gene therapy, genetic epidemiology, developmental biology, microchemical facility, and molecular genetics. The Institute is directed by Prof. Harry Orr, Professor of Laboratory Medicine and Pathology. Prof. Bonnie LeRoy, Director of the Graduate Program in Genetic Counseling, represents the Institute at Consortium meetings and events.

The **Genomics Planning and Coordinating Committee (GPCC)** (www.genomics.umn.edu) is chaired by Vice Provost Victor Bloomfield, who is also Interim Dean of the Graduate School and a Professor of Biochemistry, Molecular Biology & Biophysics. The GPCC provides a mechanism for evaluating and implementing University-wide initiatives in biology at the molecular and cellular levels. Its emphasis is on developing research infrastructure and advanced teaching in interdisciplinary areas.

CENTER for
BIOETHICS

UNIVERSITY OF MINNESOTA



CENTER FOR MICROBIAL
AND PLANT GENOMICS





The **Center for Infectious Disease Research & Policy** (www1.umn.edu/cidrap/) is led by Prof. Michael Osterholm, Professor of Epidemiology in the University's School of Public Health, and Jill DeBoer, MPH. The Center's mission is to support the development of public policies relating to the prevention, control, and treatment of infectious diseases. The Center works to ensure that these policies reflect the most current biomedical knowledge. The Center also strives to promote practices among both healthcare professionals and the public to reduce illness and death from infectious diseases.



The **Center for Animal Health & Food Safety** (www.cahfs.umn.edu) is led by Prof. William Hueston, Director, and Shaun Kennedy, Associate Director. Prof. Hueston has appointments in the School of Public Health's Division of Epidemiology and the College of Veterinary Medicine's Department of Clinical and Population Sciences. The Center plays a leadership role in assuring food safety from the farm to the consumer. It does this regionally and nationally through aggressive risk communication, applied research, integrated animal and public health surveillance, expanded educational programs, and facilitation of creative prevention and quality assurance strategies involving producers, processors, distributors, retailers, food service, and consumers.



The **Center for Neurobehavioral Development** (www1.umn.edu/cnbd) is co-directed by Prof. Charles Nelson, Distinguished McKnight University Professor of Child Psychology, Neuroscience, Pediatrics, Neurology, Radiology, and Psychiatry and Prof. Michael Georgieff, Professor of Pediatrics and Child Psychology. The Center studies the developing human brain and its relationship to normal and abnormal development. The Center trains graduate students, funds research projects, and serves as a site for non-medical developmental clinics.



The **Center for Environment & Health Policy** (www1.umn.edu/eoh/policy) works to use research, education, and outreach to foster informed, reasonable decisions about protecting the environment and human health. The Center's goals are four-fold: to promote rational, well-reasoned, and credible environmental decision making; to provide independent and objective information on important environmental policy issues; to strengthen the role of science in regulatory decision making by serving as a link between scientists and policy makers; and to train future leaders in environment and health policy. Prof. Ken Sexton, Richard G. Bond Professor of Environmental Health, directed the Center in 2002-03. In 2003-04, the Center's interim director will be Prof. William Toscano, Head of the Division of Environmental and Occupational Health, School of Public Health.



The **Center for Plants and Human Health** (cphh.coafes.umn.edu) is coordinated by Prof. Gary Gardner, Professor of Horticultural Science. The Center takes advantage of the fact that the University of Minnesota Twin Cities campus is one of the few major research universities in the country that has both an Academic Health Center and a College of Agricultural, Food, and Environmental Sciences. The Center provides a forum for the development and exchange of information relevant to plants and human health and serves as a stimulant for interdisciplinary collaboration leading to new research opportunities and funding in this vital area.



The **Program in Agricultural, Food, and Environmental Ethics** (www.agricola.umn.edu/ethics) aims to offer educational programs and courses, conduct original interdisciplinary research, and foster public discussion and debate about food consumption, the human relationship to the nonhuman environment, and the ethics of agricultural research, production, and distribution. The goals of the Program are to formulate and identify questions of ethical significance to Midwestern residents concerning agriculture, food, and the environment; to develop and evaluate moral theories and principles related to these questions; and to explore the application of these moral theories and principles by individuals and groups. The Program is directed by Prof. Dan Philippon, Department of Rhetoric, and Associate Dean Beverly Durgan in the College of Agricultural, Food, and Environmental Sciences.

The **Center for Science, Technology, and Public Policy** (www.hhh.umn.edu/centers/stpp) fosters understanding of the role of science and technology in our society, especially in relation to economic growth, health, the environment, education, and national security. The Center also supports research and teaching in the Humphrey Institute's MS degree in Science, Technology, and Environmental Policy. The Center is led by Prof. Kenneth Keller (Humphrey Institute and Dept. of Chemical Engineering and Materials Science) and Jennifer Kuzma, PhD.



Consortium Requests for Proposals (RFPs)

In order to encourage campus-wide work on the societal implications of problems in health, environment, and the life sciences, the Consortium awards intramural grants. In Spring 2003, we issued 3 Requests for Proposals. One was for University of Minnesota faculty, one was for departments/programs/centers, and one was for graduate and professional students. We made 11 awards in 2002-03, for a total of \$75,304. The 2002-03 subcommittee recommending awards to the full Consortium was Profs. Gary Gardner, Jeffrey Kahn, and Susan Wolf. Consortium members recused themselves from consideration of applications as appropriate.

Faculty

The RFP for faculty invited proposals to fund research, projects, or curricular innovation on the societal implications of problems in health, environment, or the life sciences. We received 30 applications involving 32 faculty members from roughly 28 departments and programs. The Consortium made 3 awards:

- **"Connecting Biology, Personal Identity, and Law: An International View of Adoption as Case Study,"**
Prof. Harold Grotevant (Family Social Science) (\$10,000 awarded)
- **"Local Impact of Health Reform,"** Prof. Connie Weil (Geography) (\$9944 awarded)
- **"Natives and Exotics: The Place of Biodiversity in an Urbanizing World,"**
Prof. Dan Philippon (Rhetoric) (\$10,000 awarded)

Programs/Departments/Centers

The RFP for programs/departments/centers invited proposals seeking matching funds for colloquia addressing the societal implications of problems in health, environment, or the life sciences. We made 4 awards:

- Center on Women and Public Policy, conference on **"After Birth: Policies for Healthy Women, Families and Workplaces,"** Profs. Sally Kenney, Director, and Pat McGovern (\$5,000 awarded)
- Water Resources Center, workshops on **"The Economic and Social Power of Water: A Source of War or a Catalyst of Peace?"** Profs. Deborah Swackhamer and James Anderson, Co-Directors (\$5000 awarded)
- Minnesota Center for the Philosophy of Science, lectures in the 2003-04 **Studies of Science and Technology Colloquium Series**, Prof. C. Kenneth Waters, Director (\$5000 awarded)
- WORLD Lysosomal Diseases Clinical Research Center, annual symposium of the **WORLD Lysosomal Diseases Clinical Research Network**, May 13-15, 2004, Prof. Chester Whitley, Director (\$5000 awarded)

Graduate and Professional Students

The RFP for graduate and professional students was intended to provide a stipend for research and writing in the Summer of 2003 or academic year 2003-04 and reimbursement of research-related expenses. The RFP stimulated 66 proposals from students in 38 programs around the University, including programs on the Duluth campus. Four awards were made:

- **"Managing Conflicts between Humans and Depredating Migratory Birds: An Interdisciplinary Critique of Federal Migratory Bird Policy,"**
Collette Adkins Giese, PhD candidate, Conservation Biology, JD student, Law School (\$6560 awarded)
- **"Natural World Heritage Sites: Whose Nature? Whose Heritage?"**
Helen Fisher, PhD candidate, Geography (\$7000 awarded)
- **"Nature, Capital and Scale: Extending Intellectual Property Rights to Biological Resources,"**
Sook-Jin Kim, PhD candidate, Geography (\$6800 awarded)
- **"Whose Water? Gender, Class and Environment in Water Resources Management in Bangladesh,"**
Farhana Sultana, PhD candidate, Geography (\$5000 awarded)



Senior Vice President Frank Cerra welcomes privacy conference attendees.

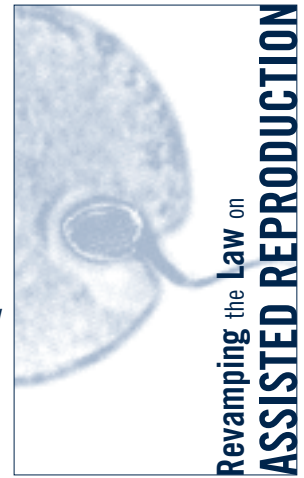


Audience at Prof. Allan Brandt's Faegre & Benson lecture.



Assisted Reproduction Symposium

In both the 2001-02 and 2002-2003 sessions, the Minnesota legislature considered proposed legislation on assisted reproduction. In response to requests from the community, the Consortium sponsored an educational half-day symposium on “**Revamping the Law on Assisted Reproduction: From IVF to Surrogate Motherhood.**” This January 28, 2003 event featured **Prof. Alan H. DeCherney, MD** (UCLA Dept. of Obstetrics and Gynecology) and **Prof. John Robertson, JD** (University of Texas School of Law). Commentators included **Prof. Chris De Jonge, PhD** (University of Minnesota); **Daonna Depoister** (President, RESOLVE of Minnesota); **Lisa Erickson, MD** (Center for Reproductive Medicine); **Tom Prichard, JD, MPP** (President, Minnesota Family Council); **Deborah Simmons, PhD** (Reproductive Medicine and Infertility Associates; Partners in Psychiatry and Psychology); **Steven H. Snyder, JD** (Snyder Law Office); **Prof. Carol Tauer, PhD** (Visiting Faculty, University of Minnesota); **Rep. Kathy Tingelstad** (Minnesota House of Representatives); and **Sean B. Tipton** (American Society for Reproductive Medicine). **Prof. Susan Wolf** moderated.



*Steve Snyder, Esq. and Daonna Depoister,
President of RESOLVE of Minnesota,
at “Revamping the Law
on Assisted Reproduction:
From IVF to Surrogate Motherhood.”*

This symposium was designed to provide information on assisted reproduction and increase awareness of the ethical and legal issues raised by regulation of assisted reproduction in Minnesota. It also served to show how Minnesota law compares to law in other states. Prof. Susan Wolf shared model legislation she had drafted as an individual faculty member with the help of Research Assistant Elizabeth Stuva. Participants at the symposium were provided with handouts including the text of bills introduced in Minnesota in 2001 and 2002, relevant Minnesota statutes already in force, and the model legislation prepared by Prof. Wolf and Ms. Stuva. Copies of the handouts may be requested from the Consortium staff.

Following the symposium, new proposed legislation was introduced in the Minnesota legislature. Video from the symposium and links to most of the materials in the handout may be found on-line at www.jointdegree.umn.edu and www.lifesci.consortium.umn.edu.

www.lifesci.consortium.umn.edu

The Consortium's website serves as a gateway to the 14 members of the Consortium and provides central access to information, news, and events relating to the University of Minnesota's work on the societal implications of problems in health, environment, and the life sciences. Our “Education” page lists nearly 800 relevant University of Minnesota undergraduate, graduate, and professional courses. This compendium serves to encourage students to consider taking such courses, show applicants to the University what we offer in this area, educate the public on course offerings, and guide Consortium and broader University efforts to strengthen this critical part of the curriculum. The “Conferences and Lectures” page has been updated to include photos, videos, and background materials for all of our conferences, symposia, and lectures. A new “Members Only” section was created in 2002-03 so that Consortium members can access past meeting minutes and other behind-the-scenes information.



National Institutes of Health (NIH) Grants

In 2003 the National Human Genome Research Institute (NHGRI) at NIH confirmed its decision to fund the grant proposal that the Consortium submitted in July 2002 on "Colliding Categories: Haplotypes, Race & Ethnicity." This 2-year, \$564,300 project involves an eminent national group of scholars to analyze how the information emerging from haplotype mapping of the human genome will and should interact with preexisting social categories of race and ethnicity. Scholars included in our project are: **Profs. Troy Duster, PhD** (New York University and University of California, Berkeley); **Phyllis Griffin Epps, JD** (University of Houston); **Evelynn Hammonds, PhD** (Harvard University); **Jonathan Marks, PhD** (University of North Carolina, Charlotte); **Michael Omi, PhD** (University of California, Berkeley); **Gerald Oppenheimer, PhD, MPH** (Columbia University); **Dorothy Roberts, JD** (Northwestern University); and **Charmaine Royal, PhD** (Howard University); and University of Minnesota **Profs. Donna Arnett, PhD; Rose Brewer, PhD; Colin Campbell, PhD; Jeffrey Kahn, PhD, MPH; Vivek Kapur, PhD; Harry Orr, PhD; William Toscano, PhD; and Susan Wolf, JD**. The Principal Investigator on this grant is **Dr. Jonathan Kahn, JD, PhD** (Consortium, Center for Bioethics). This was the first NIH grant originated by the Consortium.

The Consortium also submitted in June 2003 an ambitious 2-year grant proposal on "Managing Incidental Findings in Human Subjects Research." If funded, this project's Principal Investigator will be the Consortium's Chair, **Prof. Susan Wolf, JD**. The Co-Investigators will be the Consortium's Research Associate, **Dr. Lisa Jones, PhD; Profs. Charles Nelson, PhD and Michael Georgieff, MD** (Directors, Center for Neurobehavioral Development); and **Prof. Jeffrey Kahn, PhD, MPH** (Director, Center for Bioethics). This project too would involve an eminent national group of scholars: **Prof. Ellen Wright Clayton, JD, MD** (Vanderbilt University); **Dr. Joel Fletcher, MD** (Mayo Clinic); **Prof. Kathy Hudson, PhD** (Johns Hopkins University); **Dr. Judy Illes, PhD** (Stanford University); **Prof. Barbara Koenig, PhD** (Stanford University); **Prof. Lisa Parker, PhD** (University of Pittsburgh); **Sharon Terry, MA** (President, Genetic Alliance); and University of Minnesota **Profs. Dale Hammerschmidt, MD; Vivek Kapur, PhD; Richard King, MD, PhD; and Bonnie LeRoy, MS**.



Executive Committee

The Consortium and Joint Degree Program created an Executive Committee in May 2003. Prof. Susan Wolf, Chair and Director, strongly urged the creation of this committee to broaden participation in the programming and work of the two programs. The Executive Committee is a joint Consortium/Joint Degree Program Committee because nearly all of our events are jointly sponsored, staffed, and funded. The Executive Committee is envisioned as a real working committee to facilitate the work of the Consortium and Joint Degree Program and spread the intellectual responsibility and wealth.

The members of the Executive Committee for 2003-04 are:

- Prof. Jim Chen (Joint Degree Program), taking a lead on the annual conference on environmental health
- Prof. Gary Gardner (Center for Plants & Human Health), taking a lead on the Lunch Series
- Prof. Jeffrey Kahn (Center for Bioethics), taking a lead on the Faegre & Benson Lecture Series
- Prof. Ronald Phillips (Center for Microbial & Plant Genomics), taking a lead on the symposium on intellectual property

Prof. Wolf and the Consortium/Joint Degree Program staff are working closely with each Committee member.

*Prof. Jeffrey Kahn,
Center for Bioethics,
and Prof. John Robertson,
University of Texas School of Law,
confer prior to the symposium
on assisted reproduction.*





Joint Degree Program
in Law, Health & the Life Sciences™

Consortium on Law and Values
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UNIVERSITY OF MINNESOTA



*Prof. Wendy Mariner,
Boston University.*

Faegre & Benson Lecture Series on Law, Health & the Life Sciences

Thanks to a generous gift from the Law Firm of Faegre & Benson, the Joint Degree Program and Consortium inaugurated the Faegre & Benson Lecture Series on Law, Health & the Life Sciences in the Fall of 2000. The Series sponsors 3 lectures per year. Each lecture brings to campus an eminent scholar examining the societal implications of the life sciences, features faculty and others providing interdisciplinary commentary, and is followed by an invitational lunch discussion involving highly selected faculty members, community members, and government leaders as well as our Joint Degree Program students. The focus for the 2002-03 Lecture Series was issues in public health.

Wednesday, October 16, 2002

Prof. Wendy Mariner, JD, LLM, MPH of Boston University presented **“Balancing Public Health and Patients’ Rights: The Threat of Bioterrorism.”** Prof. Mariner is Professor of Health Law and Director of the Patient Rights Program at Boston University School of Public Health, Professor of Law at Boston University School of Law, and Professor of Socio-Medical Sciences at Boston University School of Medicine. Prof. Mariner explored the differences between medicine and public health and argued that uncritical endorsement of public health goals threatens patients’ rights by ignoring fundamental values and legal principles. She considered how terrorism has increased the tension between protecting patient rights and guarding public health. **Commissioner Jan Malcolm** of the Minnesota Department of Health and **Prof. Debra DeBruin** of the Center for Bioethics provided commentary.



*Prof. Allan Brandt,
Harvard University.*

Wednesday, December 4, 2002

Prof. Allan Brandt, PhD of Harvard University presented **“The Litigation Revolution: Tobacco Liability and the Rise of the New Public Health.”** Prof. Brandt is the Amalie Moses Kass Professor of the History of Medicine at Harvard Medical School and directs the Program in the History of Medicine and the Division of Medical Ethics. He holds a joint appointment in and chairs the Department of the History of Science at Harvard. Prof. Brandt traced the history of tobacco liability in the U.S. and considered the underlying ethical issues at stake in the adjudication of responsibility for the harms incurred by smoking. Prof. Brandt evaluated the future of assessing liability as a strategy for reducing harms to the public’s health. **Hubert H. Humphrey, III, Esq.**, Senior Fellow at the School of Public Health and Senior Vice President at GCI Tunheim, and **Ron James**, President and CEO of the Center for Ethical Business Cultures, provided commentary.



*Prof. Ronald Bayer,
Columbia University.*

Wednesday, April 9, 2003

Prof. Ronald Bayer, PhD of Columbia University presented **“Restrictions on Privacy, Autonomy & Liberty: Lessons from Infectious Disease Control.”** Prof. Bayer is Professor of Public Health and co-director of the Program in the History of Medicine and Public Health at Columbia University’s Mailman School of Public Health. Prof. Bayer reviewed the history of public health in the 20th century including quarantines, contact tracing, patient reporting, and mandatory vaccination. He cited legal challenges that suggest that liberty-limiting actions in the name of public health are consistent with constitutional protections for individual liberty. **Dr. Harry Hull**, Minnesota’s State Epidemiologist and **Prof. Steven Miles** of the Center for Bioethics and Medical School provided commentary.



Our Lecture Series in 2003-04 will focus on frontiers in human subjects research. The lecturers will be:

- **Prof. Jeremy Sugarman** (Duke University) on **October 29, 2003**;
- **Prof. Haavi Morreim** (University of Tennessee) on **December 3, 2003**; and
- **Prof. Baruch Brody** (Baylor College of Medicine and Rice University) on **March 10, 2004**.

All lectures begin at 11:30am in Coffman Memorial Union's Mississippi Room, are followed by faculty commentary, and conclude at 1:00pm when the invited lunch begins in the President's Room at Coffman Union.

Lectures are generally archived on our websites at www.jointdegree.umn.edu and www.lifesci.consortium.umn.edu.

Lunch Series on the Societal Implications of the Life Sciences

The Joint Degree Program and the Consortium inaugurated the Lunch Series on the Societal Implications of the Life Sciences in the Fall of 2001. The Series sponsors 4 lectures per year. Each lecture brings to campus an eminent scholar examining the societal implications of the life sciences, who lectures to and meets with faculty, students, and community members. The focus for the 2002-03 Lunch Series was issues in public health. All lectures were standing-room only. The Lunch Series speakers were:

September 17, 2002

Prof. Edward J. Larson, Talmadge Professor of Law and Russell Professor of History, University of Georgia, presented **"The Meaning of Human Gene Therapy for Disability Rights: The Rise of a New Eugenics?"** Prof. Larson discussed how popular understanding of genetics has long influenced how Americans think about and treat people viewed as having an inherited "disability." He drew on the history of eugenic lawmaking and recent developments in anti-discrimination law to explore the meaning of human gene therapy for "disability rights."

November 5, 2002

Prof. Richard R. Sharp, Center for Medical Ethics and Health Policy at Baylor College of Medicine and former Director, Program in Environmental Health Policy and Ethics at the National Institutes of Health, presented **"Toxicogenethics: Ethical Issues at the Intersection of Genetics and Toxicological Sciences."** Prof. Sharp explored ethical and policy issues raised by the application of genomic technologies to risk assessment and environmental regulation. He highlighted discriminatory threats posed by the application of genomic technologies in the workplace and explored whether considerations of social justice argue against the development of toxicogenomic technologies.

February 6, 2003

Prof. Wendy Parmet, Professor of Law at Northeastern University School of Law and Program Director of the School of Law's JD/MPH program with Tufts University School of Medicine, presented **"Shifting Understandings of Disability: Law, Ethics and Public Health."** Prof. Parmet discussed how political and intellectual movements—particularly disability rights—challenge the role of public health in American life and law. She argued that public health focuses on community health at the expense of individual civil rights. The American courts have become the primary venue to define disability and individual rights and to reconcile each with public health.



*Prof. Edward Larson,
University of Georgia.*



*Prof. Richard Sharp,
NIH and Baylor College of Medicine.*



*Prof. Wendy Parmet,
Northeastern University School of Law.*





Prof. Robert Bullard,
Clark Atlanta University.

March 11, 2003

Prof. Robert D. Bullard, Ware Professor of Sociology and Director of the Environmental Justice Resource Center at Clark Atlanta University, presented **“Poverty, Pollution & Public Health: Strategies for Building Just and Sustainable Communities.”** Prof. Bullard explored how, despite significant improvements in environmental protection over the past several decades, millions of Americans continue to live in unsafe and unhealthy physical environments. He described how communities of color are at particular risk. He presented cases that highlighted the struggle in the American courts to ensure the fair treatment of all people regardless of race, ethnicity, national origin, and income.

In 2003-04 the Lunch Series will focus on agricultural, food, and environmental ethics. The lecturers will be:

- **Prof. Dale Jamieson** (Carleton College) on **September 22, 2003;**
- **Prof. David Ehrenfeld** (Rutgers University) on **November 17, 2003;**
- **Prof. Eric Freyfogle** (University of Illinois) on **February 10, 2003;** and
- **Prof. Marion Nestle** (New York University) on **April 13, 2003.**

Lectures will take place on the University of Minnesota and St. Paul campuses. Videos of the Lunch Series lectures are generally archived on our websites at www.jointdegree.umn.edu and www.lifesci.consortium.umn.edu.



LAW/VALUES + LIFE SCIENCES Newsletter

In Fall 2001 the Consortium and Joint Degree Program inaugurated their newsletter, LAW/VALUES+LIFE SCIENCES. The quarterly newsletter is distributed via e-mail and is also available on the “Newsletter” page on both the Consortium and Joint Degree websites. Each issue highlights recent developments in ethical, legal, and social issues relating to health or the life sciences at the University of Minnesota; profiles a University of Minnesota faculty member making significant contributions in these areas; and describes selected research and publications by Consortium members and Joint Degree Program faculty. The newsletter also provides program-related news and updates, announces upcoming events throughout the University, and offers links to websites of interest to readers. Readers can subscribe by filling out the form on the “Newsletter” page of either website or sending an e-mail to lawvalue@umn.edu or jointdgr@umn.edu.

In 2002-03, the newsletter profiled **Frank Cerra, MD**, Senior Vice President for Health Sciences at the University's Academic Health Center; **Mark Becker, PhD**, Dean of the School of Public Health; and **Prof. Ken Sexton, ScD, MBA**, Director of the Center for Environment & Health Policy; and **Prof. Will Hueston, DVM, PhD**, Director of the Center for Animal Health & Food Safety.





Annual Conference

Each year the Joint Degree Program and Consortium co-sponsor a full-day conference. This year's topic was **"The Limits of Personal Privacy: Biomedical Information in Public Health, Population Genomics and Mass Disasters."** The April 3, 2003 conference strived to identify ethical and legal problems posed by the use of individuals' health information in public health research; outline current and emerging solutions to the ethical and legal challenges of using personal biomedical information in genetic research; analyze challenges in maintaining the privacy of personal health information while meeting the requirements of regulations under HIPAA; and articulate privacy challenges posed by preparation for bioterrorism or other mass disasters.

The conference featured the nation's leading speakers on these issues including:

Prof. George Annas, JD, MPH (Boston University); **Hon. Mike Hatch, JD** (Minnesota Attorney General); **Prof. Kathy Hudson, PhD** (Johns Hopkins University); **Janlori Goldman, JD** (Director, Health Privacy Project); and **Prof. Larry Gostin, JD, LLD** (Georgetown and Johns Hopkins Universities). Commentators included: **Prof. Donna Arnett, PhD** (School of Public Health); **Twila Brase, RN** (President, Citizens' Council on Health Care); **Michael Caldwell, MD** (Director, Marshfield Clinic Research Foundation); **Prof. Timothy Church, PhD** (School of Public Health); **Keith Dunder, JD** (Office of the General Counsel); **Associate Dean John Finnegan, PhD** (School of Public Health); **Don Gemberling, JD** (Information Policy Analysis Division, Minnesota Department of Administration); **Prof. Jamie Grodsky, JD** (Law School); **Prof. Oren Gross, LL.M., SJD** (Law School); **Hubert H. Humphrey, III, JD** (School of Public Health); **Prof. Steve Jacobsen, MD, PhD** (Mayo Medical School); **Prof. Jeffrey Kahn, PhD, MPH** (Center for Bioethics); **Prof. Bonnie LeRoy, MS** (Genetic Counseling Program); **Prof. Michael Osterholm, PhD, MPH** (Center for Infectious Disease Research and Policy); and **Kip Sullivan, JD** (Minnesota Physician-Patient Alliance). **Regent Patricia Simmons, MD** and **Senior Vice President Frank Cerra, MD** offered opening remarks and **Dean Alex Johnson, JD** (Law School) gave the lunch introduction for Mr. Hatch. **Prof. Susan Wolf, JD** (Law School) and **Dean Mark Becker, PhD** (School of Public Health) acted as moderators for the day.

Conference participants were given handouts including background articles, relevant Minnesota legislation and proposed legislation, and the text of an important recent decision. Videos of the speeches and links to the materials in the handout may be found on our websites at www.jointdegree.umn.edu and www.lifesci.consortium.umn.edu.

Additional sponsors for the privacy conference included the University of Minnesota's Academic Health Center, School of Public Health, and Law School.

Visiting Scholar: Prof. William Sage, MD, JD

In Fall 2003, the Consortium will welcome its first visiting scholar: Prof. William Sage, MD, JD from Columbia University. His visit is made possible by support from the Consortium and Joint Degree Program, School of Public Health, Law School, Carlson School of Management, and Graduate School.

Prof. Sage is Professor of Law at Columbia University's School of Law. He earned his MD and JD at Stanford University. He was an intern at Mercy Hospital and Medical Center in San Diego, a resident in anesthesiology and critical care medicine at the Johns Hopkins Hospital, and an associate at O'Melveny & Myers in Los Angeles before joining the Columbia faculty in 1995. His current research and teaching focus on health law, regulatory theory, antitrust, and professional responsibility. His publications include "Regulating through Information: Disclosure Laws and American Health Care," *Columbia Law Review* (1999); "Physicians as Advocates," *Houston Law Review* (1999); "The Lawyerization of Medicine," *Journal of Health Politics, Policy and Law* (2001); "Antitrust, Health Care Quality, and the Courts," *Columbia Law Review* (with Hammer, 2002); and "A Copernican View of Health Care Antitrust," *Law and Contemporary Problems* (with Hammer, 2002). He is also the Principal Investigator of the Pew Charitable Trusts Project on Medical Liability in Pennsylvania (2002-04). He has been a Visiting Professor at the University of Pittsburgh's Center for Bioethics/Health Law, Duke University School of Law, University of Neuchatel, and Tokyo University.



Regent Patricia Simmons welcomes privacy conference attendees.



Prof. Timothy Church, School of Public Health, at the privacy conference.



Prof. Steve Jacobsen, Mayo Clinic, at the privacy conference.



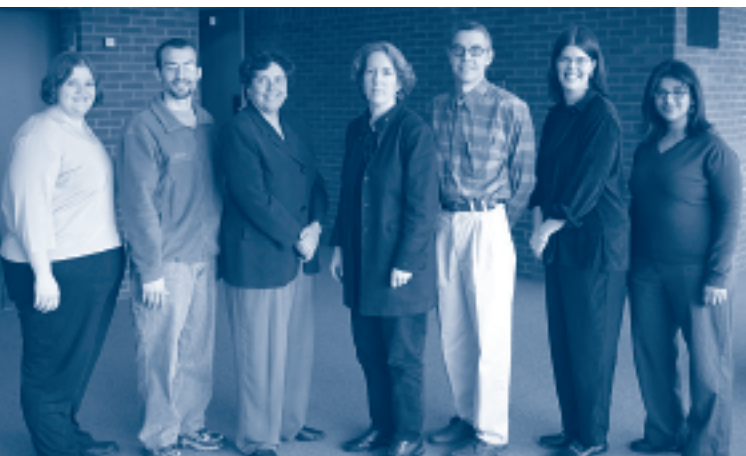
Prof. William Sage, Columbia University.



Staff

The Joint Degree Program and Consortium share staff and offices. Our staff members include:

Ann Hagen, Senior Administrative Director, joined the Joint Degree Program and Consortium in June 2000 as Program Associate. She was appointed Senior Administrative Director in December 2001. Her duties include management and administration of both programs, coordinating student applications to the Joint Degree Program, assisting current and potential students, and grants management. Ann previously worked as a legal assistant at a Chicago law firm specializing in family law litigation. She has degrees from the University of Michigan and the University of Minnesota.



Joint Degree Program Staff

*L to R: Stephanie Schaffer,
Nicolas Spilman, Lisa Jones,
Susan Wolf, Colin Campbell,
Ann Hagen, Marianne Nawar.*

Marianne Nawar joined the Joint Degree Program and Consortium in November 2002 as our Principal Administrative Specialist. Previously, Marianne was a Purchasing Assistant for the University of Minnesota's Department of Neuroscience. She is currently completing a BS in Electrical Engineering at the University of Minnesota.

Stephanie Schaffer, Program Associate, joined the Joint Degree Program and Consortium in September 2002. Stephanie previously worked for Accenture as an Event Planner. She obtained her BA in Business Administration (Management) from Southwest State University in Marshall, Minnesota.

Nicolas Spilman served as Information Technology Professional from August 2001 to July 2003, splitting his time between our programs and the Law Information Technology Service. Nick earned his bachelor's degree in computer science at the University of Minnesota. He also previously worked for Accenture as a software analyst.

The Joint Degree Program and Consortium are indebted to the following Research Assistants in 2002-03:

Shannon Garrett (Law), **Marlee Jansen** (Law), **Sally Mermelstein** (Law), **Michelle Oyen** (Biophysical Sciences and Medical Physics), **Susan Parry** (Philosophy), **Jennifer Ryan** (Law), and **Elizabeth Stuva** (Law).

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- Executive Vice President and Provost Christine Maziar
- Senior Vice President Frank Cerra, Academic Health Center
- Vice Provost and Interim Dean Victor Bloomfield, Graduate School
- Dean Alex Johnson, Law School
- Dean Robert Elde, College of Biological Sciences

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- Dean Mark Becker, School of Public Health
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**Consortium on Law and Values
in Health, Environment & the Life Sciences
Joint Degree Program
in Law, Health & the Life Sciences**

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