



**Forum on
Science
Ethics
and Policy**

**2005 - 2006
Annual Report**

FOSEP ANNUAL REPORT

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Executive Summary

*“... the frontiers of science have never looked more promising than they do today. Opportunities abound. From nanotechnology, to bioengineering, to terahertz imaging, to string theory, to space science, we are in an age of discovery and innovation. **The challenge is how to mine these opportunities for all they are worth to improve human health and welfare and security and to have greater public understanding of, and respect and appreciation for, science.**”*

-Shirley Ann Jackson
President, the American Association for the
Advancement of Science (AAAS)

Since its inception in early 2004, FOSEP has hosted over thirty different events targeted to its members, the local academic community, policymakers, and the public at large. Each of these events brought the target audience in touch with experts in a wide variety of fields to communicate with them about the social, economic, political and ethical aspects of a wide variety of scientific and technological endeavors.

For the 2005-2006 academic year FOSEP continued its commitment to serve as a bridge between the scientific community and the public at large by hosting both a large public forum and several smaller community discussions on the safety and cost of pharmaceuticals. We targeted events to the UW academic community by hosting seminars with topics ranging from how the value of life is calculated for policy considerations to the need for protections against genetic discrimination. Our members have had face to face discussions with a wide-variety of policy and ethics experts from within and outside of the UW academic community. These experts included: Eugenie Scott, Executive Director of the National Center for Science Education; Tim Leshan, Senior Policy Analyst of the National Human Genome Research Institute; and David Fluharty, a UW professor who was chair of the committee established by Congress to respond to the use of ecosystem principles in fishery management.

We appreciate your interest in FOSEP and invite you to read more about our exciting year in the pages that follow.

Introduction

We live in an age where scientific research is generating new ideas about the world around us so rapidly that our values, views and laws are constantly being challenged. The public wants to see the fruits of billions of tax dollars spent over the years on research; scientists want the public to value and continue to fund exciting new projects. Never has there been a better time to strengthen the ties between scientists and the public to increase mutual understanding and to formulate effective decision-making about the future. A new breed of scientists must be cultivated that can not only tease out the answers to complex problems, but also be able to discuss effectively the social implications of new discoveries with their peers and with the non-scientific community, including policymakers.

As a graduate student and post-doctoral fellow initiative, the **Forum on Science Ethics and Policy** (FOSEP) was originally started to provide a communication bridge between the next generation of scientific and social science leaders, the public and policymakers. FOSEP also serves as a forum for discussion within the university-wide academic community, and as an institution where graduate students and post-doctoral fellows can hold leadership positions in science policy and ethics. Through building this multi-faceted dialogue, the communication gap between science and society can be narrowed for mutual benefit.

FOSEP's Mission

- Promote multidisciplinary interaction among scholars in our community about complex science policy problems.
- Foster scientist-citizens who can participate effectively in discussions about issues in science and society.
- Provide leadership opportunities for graduate students and post-doctoral fellows.
- Increase dialogue among experts – particularly scientists - and the public and policymakers. This dialogue will help the public make informed public policy decisions and help scientists gain an appreciation for how both scientific and non-scientific knowledge affect public policy.
- Act as a clearinghouse of information for individuals interested in science, ethics, and policy.

The History of FOSEP

The Forum on Science Ethics and Policy (FOSEP) was originally formed by five graduate students at the University of Washington and the Fred Hutchinson Cancer Research Center in January, 2004, with the goal of increasing interaction between the academic community and the non-scientific members of society, including policymakers. FOSEP's first year had numerous successes, including a profile in Nature magazine (September 23, 2004) and a large public forum entitled "Stem cells: the science, policy, and possibilities." This forum was widely attended by the public and the academic community and served to recruit new graduate student and post-doctoral fellows with similar interests in science policy and ethics. In the first year, FOSEP grew to a structured organization with more than 25 graduate students representing 17 different departments, with most members actively participating in planning committees. An important component to FOSEP's early and continued success is advisory and financial support from the Department of Medical History and Ethics and Dr. Malcolm Parks in the Office of Research. A wide range of events addressing diverse topics within science policy and ethics were made possible through this support and funding from over 12 additional departments.

The past year of FOSEP's history has seen the organization more than double in size and welcome new members representing an even broader reach of disciplines, including law and philosophy. With this growth spurt has also come a more mature organizational structure, leadership hand-over and a focus on sustainability. A second public forum entitled "Medicines and your health: prescriptions for safe and effective drugs" received extremely positive feedback and led to satellite community discussions with the public and an educational workshop for science teachers. Numerous academic seminars were planned within the university and generated discussion on topics ranging from genetic discrimination to the scientific involvement in policymaking. FOSEP organized a symposium at the Annual Meeting of the American Association for the Advancement of Science on the principle and applications of scientific dialogue. Sustained support from the Office of Research, the Hope Heart Institute and many departments across campus has enabled the FOSEP mission to continue and prosper.

A Letter from the Directors

Welcome and thank you for your interest in FOSEP!

We would like to take a moment to tell you about our exciting organization. We hope that this report will serve to inform you about the important role FOSEP plays in the education of its members, the academic community, and the general public.

FOSEP members understand that the progress of science can be largely irrelevant if other “societal” factors are overlooked. What might appear to be a promising scientific solution for global warming, AIDS or the energy crisis will fail to be implemented if the proper social, political, ethical and economic factors are ignored. In order for the promise of science to be truly fulfilled we must educate scientists to be savvy beyond their own research areas and to be effective in communicating their findings and expertise with the public and the policymakers who make the large scale decisions that affect all of our lives.

A core mission of FOSEP is to act as a bridge between the scientific community and the public at large. We do this through our website and by hosting a variety of free events that are targeted to the public. In this role it is sometimes necessary to confront the uncomfortable issues, most notably in such areas where personal values conflict with scientific ideas. We are committed to addressing the issues that are sometimes controversial including: the interface between religion and science; issues surrounding the origin of life; the ethics of stem cells and tissue transplantation; energy policy issues in sustainable development; the challenges of emerging technologies like nanoscience; and the disparity in disseminating scientific advances, including life-saving medicines, between rich and poor regions of the world.

Issues surrounding scientific progress and society are important to all of us but it is difficult for any of us to be well-informed outside of a narrow range of expertise and personal experience. For this reason FOSEP is committed to bringing in outside experts to discuss a wide variety of issues with our members, the UW community and the public at large. For this same reason we are deeply committed to maintaining FOSEP as a non-partisan/non-advocacy organization.

We hope that after reading this report that you will agree that FOSEP is serving an important function in the UW and Seattle community. If you haven't done so already, we hope that you will consider joining FOSEP or attending one of our many events. The participation of our members and audience is critical for our future success!

Wishing you the best in the coming year.

Jennifer, Jessica, Sarah, Thomas and William
FOSEP Directors

Our Membership

FOSEP membership expanded from 25 members in June 2005 to 65 by July 2006. Our growing membership makes it possible to plan several events through the year. Our members include undergraduate students, graduate students and post-doctoral fellows, with 85% consisting of graduate students. Our members come from 28 departments and 8 colleges at the University of Washington. Approximately one third of our members are biomedical researchers, one third are scientists in the College of Arts and Sciences and the rest hail from other departments, including Communications, Philosophy, Engineering, Political Science, Law and Education. We plan to focus our membership this year on recruiting interested individuals from the physical sciences and engineering. Our current non-biomedical student scientists are from Atmospheric Sciences, Biology, Fisheries and Earth and Space Sciences. Membership in FOSEP involves participating in FOSEP discussions or planning events. Membership is open to all students and trainees affiliated with the University of Washington, the Fred Hutchinson Cancer Research Center or other research and training centers in Seattle. A majority of members must be students at the UW in order to maintain our status as a student group.

Honors and Recognition for FOSEP

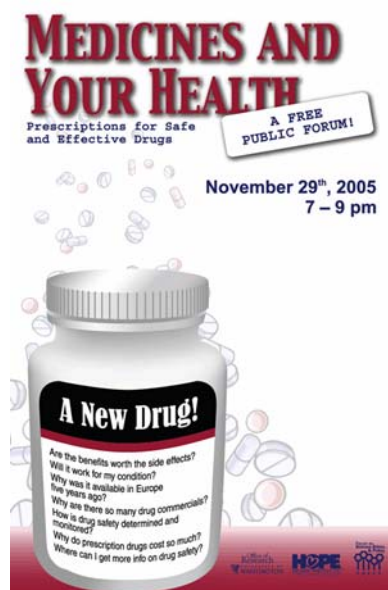
FOSEP co-founder **Melanie Roberts** was awarded a **2006-07 Congressional Fellowship** from the American Association for the Advancement of Science (AAAS). As a staff member for the US Congress, Melanie will help to research, develop, and draft legislation. Congratulations Melanie!

Jessica Chubak and **Thomas Robey** were awarded travel grants from the AAAS to attend the 2006 Annual Meeting in St. Louis in February.



Connecting with the Public...

The 2005 Public Forum

Following the 2004 FOSEP public forum on “Stem cells: The science, policy and possibilities,” a new team of graduate students and post-doctoral fellows continued the momentum with a second forum on “Medicines and your health: Prescriptions for safe and effective drugs.” The purpose of the November 2005 forum was to educate the audience on the process of pharmaceutical drug development and regulation, and to offer a perspective on the limitations of the process. The discussion was framed by a diverse group of experts representing the pharmaceutical industry, the United States government, and academia. In addition, FOSEP collaborated with Seattle’s Science on Tap and the University of Washington Bioscience Careers seminar series during the forum week on the topic of pharmaceuticals.



The panel of experts included:

- **Michael King, Ph.D., M.H.Sc.** – Associate Director of Clinical Pharmacology, Johnson & Johnson Pharmaceutical Research and Development, LLC. His department is responsible for leading all Phase 1 and 2a clinical trials and for Clinical Pharmacokinetics and advanced pharmacokinetic modeling and simulation. Dr. King is responsible for leading analgesic and central nervous system Phase 1 and 2a clinical trials, including trials involving depression and schizophrenia. 
- **Shirley Murphy, M.D.** - Acting Deputy Director of the Office of Counter-Terrorism and Pediatric Drug Development, FDA. Dr. Murphy joined the FDA in 2002 to start the new Division of Pediatric Drug Development. A board certified Pediatric Pulmonologist, Dr. Murphy has had a career-long research interest in medications for children. Dr. Murphy was a vice-president of the pharmaceutical company GlaxoSmithKline where she headed the 

NeuroHealth Specialty Division and Glaxo Dermatology. She also served on the faculty of the University of New Mexico School of Medicine and College of Pharmacy, holding the positions of Director of the Division of Pulmonary Medicine and Chair of the Department of Pediatrics. Dr. Murphy chaired the National Heart, Lung and Blood Institute's Asthma Expert Panel, which produced the National Guidelines for the Diagnosis and Management of Asthma. In addition, she served as Chair of the First National Conference on Asthma sponsored by the National heart, Lung and Blood Institute and also chaired the F.D.A.'s Pulmonary and Allergy Advisory Committee.

- **Dr. Bruce Psaty. M.D., Ph.D., M.P.H.** Professor of Medicine, Epidemiology, and Co-Director of the Cardiovascular Health Research Unit at the University of Washington and Affiliate Investigator in the Center for Health Studies at Group Health Cooperative of Puget Sound. Dr. Psaty is the principal investigator on four large epidemiologic studies, and has a major role in the Cardiovascular Health Study, the Multi-Ethnic Study of Atherosclerosis, and the Women's Health Initiative. He is the chair of the N.I.H. Epidemiology of Chronic Disease Study Section and chair of the Group Health Cooperative Research Committee.



The 2006 FOSEP forum...

- Was widely publicized through local newspapers, our website, emails, and postings distributed throughout the greater Seattle area.
- Was well attended, with over 150 people present.
- Was executed with the help of over 25 FOSEP member volunteers.
- Was televised by TVW, and continues to serve as a learning resource for the general public as streaming video that is linked from our website.
- Was lauded by attendees in the post-forum survey.



Community Discussions

FOSEP and the Hope Heart Institute hosted a two-part series of community discussions on medicines and health on March 11th and 18th entitled “Drug Talk, Pharmaceuticals and You: From Affordable Medicines to Super Humans”. Seattle area experts participated in dialogue at the Hope Heart Institute with local members of the community about specific topics related to the prescription drug industry. On the first day of the event, Mark Reider, Ph.D. UW Department of Genome Sciences discussed the advent of personalized medicine and pharmacogenomics. Louis Garrison, Ph.D., UW Department of Pharmacy described the causes of the increasing cost of prescription drugs. Mark Reider and Kelly Fryer-Edwards, Ph.D., UW Department of Medical History and Ethics led a joint session about the human genome project and the ethics of using pharmaceuticals to enhance normal functions.

On the second day of the event, Raphael Ponce, Ph.D. Zymogenetics, discussed how drugs are deemed to be safe enough. Gary Chovnick, MPH, of the HIV Vaccine Trials Unit, Fred Hutchinson Cancer Research Center, led a session on the process of clinical trials. Lori Brown, Food and Drug Administration, Jason Allen, ND and Erica Orberg, ND stimulated a conversation about how drugs are monitored after reaching the market and alternative medicines.

These discussions were open to the public. Represented among the participants were students, members of the general public, and those involved in educational outreach. The small group nature of the discussions facilitated dialogue; nearly all present participated in the discussion. An informal coffee break between sessions further extended the opportunity to chat with local experts. Benefits to FOSEP included increased visibility among members of the UW academic community, contact with community groups in the greater Seattle area, and insight into planning a community-based event.

www.FOSEP.org

FOSEP's website was launched in April, 2004 and in its first year, an average of 500 unique visitors viewed our site each month. Traffic increased to an average of 1000 unique visitors in the 2005-2006 year. The site received 64,000 hits in that same period. FOSEP's website serves most importantly as a clearinghouse of information, events, and opportunities in science ethics and policy. Individual FOSEP members maintain topic pages on issues ranging from stem cells to climate change. We are working to create a comprehensive presentation of all of FOSEP's events, which we videotape. The site now carries an important organizational role with discussion boards, a calendar, and document repository that enable communication among FOSEP members.

Connecting with the Academic Community...

The Academic Outreach Seminar Series

The Academic Outreach Committee's primary goals are: (1) to raise awareness and promote interdisciplinary discussions within the academic community on topics relevant to science, ethics and policy; and (2) to provide the academic community with information on controversial topics while remaining nonbiased. This is accomplished through hosting seminars led by nationally renowned speakers.

This year, the Academic Outreach Committee put together 4 academic seminars. Attendance at the seminars ranged from 20 to 200 people, with an average of about 60-70 attendees. Seminars were attended by undergraduate and graduate students, faculty, and staff from the University of Washington and the Fred Hutchinson Cancer Research Center. All seminars took place at central locations on the University of Washington campus and were advertised broadly to UW departments and programs.

Seminars usually start with the speaker's presentation (40-45 minutes), followed by a question period (20-40 minutes). Audience members have ample time to ask questions and engage in a discussion of the topic with the speaker. For the first time this year, three of our seminars were followed by a scheduled 1-2 hour discussion with FOSEP members. This has allowed FOSEP members to discuss the seminar topic further with the speaker, and also to have the opportunity to ask the speaker general questions about his career path and experience in dealing with science ethics and policy. These discussions were attended by 8-15 FOSEP members.

The 2005/2006 Academic Seminars

“The only thing we have to fear is fear itself” – The Fear of Genetic Discrimination and the Need for a Public Policy Solution”

Tim Leshan, Senior Policy Analyst
National Human Genome Research Institute
December 13th, 2005



“Honest Talk about Intelligent Design”

Ted Davis, History of Science Professor
Messiah College
March 14th, 2006

“We're not in Kansas Anymore' – Scientists, Policymaking and the Future”

William H. Hooke, Ph.D., Senior Policy Fellow
Director of the Atmospheric Policy Program
American Meteorological Society
April 25th, 2006



“The Generational Divide in Environmental Policy: Should Seniors' Lives be Discounted?”

Alan J. Krupnik, Ph.D., Senior Fellow
Director Quality of the Environment Program
Resources for the Future.
May 17th, 2006

Connecting with the Each Other...

FOSEP Discussion Sections

FOSEP discussion sections are small and informal group discussions about topics relevant to science policy, economics, philosophy or ethics. They are generally held in the early evening over pizza with an attendance ranging between five and twenty people. Sometimes sessions are led by FOSEP members, but more frequently we invite a prominent member of the faculty or local community to lead the discussion.

FOSEP discussions are designed to serve a number of purposes. First, they allow the members to get to know each other by bringing them together in an intimate setting to discuss items of common interest. Second, discussions allow members to meet face-to-face with experts who actively play a role in the topics FOSEP is most interested in. Third, by bringing in outside experts, they expand our “contact database” and enhance the awareness of FOSEP amongst the local academic community and around the nation. FOSEP members discussed the following this year:

The 2005/2006 Discussion Sections

“A framework for thinking about health policy issues”, led by Professor Carolyn (Cindy) Watts, UW School of Public Health on January 10th, 2006. In this discussion, FOSEP members discussed a conceptual framework for understanding how to approach health policy issues. An emphasis was placed on the issues that impede implementation efficient and coherent policies, and how to avoid or get around such obstacles. Attended by 13 FOSEP members.

“Accommodating Minority Viewpoints in Science”, led by William Navarre Ph.D., Senior Fellow, UW School of Medicine on January 26th, 2006. Using several specific case examples, FOSEP members discussed whether it is possible for scientists to be truly open-minded when confronted with a radically new hypothesis. Members addressed why scientists are often reluctant and are, in fact, sometimes openly hostile to opinions contrary to currently accepted dogma. Attended by 15 FOSEP members.

“The history of creationism and evolution from the 20th century to today”, led by Ted Davis, Ph.D., Professor of History of Science, Messiah College, March 14th, 2006. A small and intimate forum in which FOSEP members could question Dr. Davis about his understanding of the motivations and history behind the Intelligent Design movement. Attended by 18 FOSEP members.

“We've spent \$15,000,000,000,000 on health care since 1995. Are we healthier...or just poorer?”, led by Rick Carlson J.D., UW School of Public Health on March 28th, 2006. Dr. Carlson discussed how the US Government could use different market forces to

control health care costs while making the public at large healthier than we are now. Attended by 11 FOSEP members.

“Scientists, Policymaking, and the Future”, a meeting with William Hooke, Ph.D., Senior Fellow and Director of the AMS Policy Program, American Meteorological Society, on April 25th, 2006. FOSEP members met with Dr. Hooke after his seminar to discuss his career in policy and learn about what is involved in trying to make policy changes happen when dealing with the cacophony of Washington DC. Attended by 6 FOSEP members.

“Why Don’t We Have an Ecosystems-Based Approach to Oceans Management?”, led by David Fluharty, Ph.D., Professor, UW School of Marine Affairs, on May 10th, 2006. We were honored to meet with Dr. Fluharty, a UW professor who was chair of the committee established by Congress to respond to the use of ecosystem principles in fishery management. We discussed the current state of the nation’s fisheries and the political, economic and social reasons why some fisheries are in crisis while others are not. Attended by 6 FOSEP members.

“The Economics Behind Value of Life Decisions”, led by Alan Krupnik, Ph.D., Senior Fellow and Director, Resources for the Future, on May 17th, 2006. FOSEP members met with Dr. Krupnik after his seminar to discuss his career as an economic and policy analyst. Attended by 9 FOSEP members.

"You Did WHAT?": How Leaving the Bench Made Me a Better Scientist, led by Malia Fullerton, Ph.D., Assistant Professor, Medical History and Ethics / Genome Sciences, on June 13th, 2006. FOSEP members met with Dr. Fullerton to discuss her transition from being a bench scientist to a bioethicist. Attended by 9 FOSEP members.

Science and Religion Reading Group

A significant number of FOSEP members have expressed interest in learning about issues that relate to both science and religion. This year, FOSEP held several journal club events in which a member presented one aspect of a current conflict between science and religion. Much interest focused on the issue of intelligent design (ID). In separate discussions, the group has learned this year about the history of the ID movement, the philosophy and theology behind it, and the political elements of ID. The reading group held a special meeting with one of our speakers – Dr. Ted Davis – when he visited and also met with Dr. Eugenie Scott when she was on campus in the spring. The reading group is composed of students from several faith backgrounds and areas of study. Future topics will include the use of religious language in science, the notion of self and consciousness and theistic evolution.

Presentations and Posters by and about FOSEP

American Association for the Advancement of Science Annual Meeting 2006

At the American Association for the Advancement of Science's (AAAS) annual meeting in 2005, FOSEPers heard a repeated call for dialogue with the public. At this year's AAAS meeting in St. Louis, FOSEP answered this call by with symposium called "Scientists, the Public, and Policy-Makers in Dialogue: Principles and Applications." Thomas Robey and Jessica Chubak organized this symposium, which was sponsored by the General Interest in Science and Engineering and Societal Impacts of Science and Engineering sections of AAAS. Moderated by Rick Shangraw, Executive Director of the Decision Theater at Arizona State University, this symposium brought together three presenters with distinct approaches to promoting discussion about science and its societal implications.

Dr. Jane Lubchenko, founder of the Aldo Leopold Leadership Program and former president of AAAS, discussed the Program's development and approaches to teaching mid-career environmental scientists to communicate with lay audiences. Duncan Dallas, founder of the original Café Scientifique, described this popular worldwide phenomenon. Jessica Chubak, one of FOSEP's directors, presented the success and challenges that FOSEP has faced as a student organization attempting to bridge diverse audiences in discussing important issues in science.

Thanks in part to a press release by the University of Washington's Media Relations Office, the symposium drew an audience of nearly 75 people, who had many interesting comments and questions for our panel.

After our symposium on the first day of the conference, we had several more days attend a number of other sessions where we meet potential speakers and identified possible topics for future FOSEP events.

Conference on Graduate Student Leadership November, 2005

FOSEP co-founder Melanie Roberts to joined a delegation two other UW students and the dean of the UW Graduate School at the National Conference on Graduate Student Leadership in November. The conference "brings together graduate student leaders and graduate deans ... to identify and discuss critical issues in doctoral education from the student perspective." Melanie gave a talk titled "Translating Knowledge for the Public Good."

Collaborations

FOSEP has partnered with local science outreach and other organizations to host several events over the past year. In October 2005, Jevin West, a member of FOSEP's Science and Religion Project Team, gave a talk entitled "Beyond the Beak of the Finch" to a local book club. He engaged the members of the club in dialogue on the social controversy surrounding the evolution/intelligent design issue.

In November, 2005, Noel Weiss, Ph.D., UW Department of Epidemiology gave a presentation entitled "A Layman's Guide to Interpreting Health Reports in the Media" for local members of the Seattle community at Ravenna Third Place Books. This event was associated with the second annual Public Forum and hosted jointly by FOSEP's Community Outreach Committee and Science On Tap. Science On Tap is a local organization that provides people with a venue to discuss science issues with local scientists. For more information, visit www.scienceontap.org. Also associated with the second annual Public Forum, Dr. Michael King, Ph.D., Associate Director of Clinical Pharmacology, Johnson & Johnson, talked with UW graduate students about alternative career options for science Ph.D. students in partnership with the UW Biosciences Career Seminar.

FOSEP co-authored a grant proposal with Anne Koepsell of the Washington State Hospice & Palliative Care Organization submitted to the Hospice Education Institute to bring Bill Colby to the University of Washington. Mr. Colby will speak about end of life care and the 'right to die' in October 2006. He will draw on experiences as Nancy Cruzan's lawyer and his familiarity with the Terry Schiavo case. The collaboration with WSHPCO was initiated after FOSEP was referred as a possible host of the talk to Ms. Koepsell by the Medical History and Ethics Department.

In February 2006, FOSEP members Beth Rowan, Maris Lemba, and Cindy Reiner attended the Life Sciences Education Advancement Partnership (LEAP) summit. LEAP was created to bring local science outreach organizations together to encourage collaboration and discuss the common challenges faced when participating in outreach.

By partnering with local science outreach organizations and non-profit groups, FOSEP can reach different facets of the local and national community and help further its mission. We are looking forward to continued collaborative activities in the coming year.

Challenges for the Future

Public Outreach: One of the core missions of FOSEP is to enhance communication between the scientists and the general public. We have made several efforts on this front including our public forum and subsequent community discussions. Participants indicated that the programs were informative and well planned. Attendance at these events was satisfactory but we would have liked to see larger numbers of people present. We have concluded that it is very difficult for a small group of graduate students and post-docs with a limited budget to do the level of marketing necessary to inform large numbers of people in the local Seattle area about our events. With this in mind we are exploring partnerships with more established organizations like the Pacific Science Center. We hope that by partnering with such organizations we can tap into their targeted marketing efforts (e.g. newsletters and monthly calendars targeted to their members) to inform them of events that might be of interest to them.

Tackling controversial topics without advocating or appearing to advocate: This year FOSEP made efforts to address some of the most timely (and sometimes problematic) topics. One of the most visible efforts we have made has been to present and discuss the issues regarding the intelligent design movement. The seminar by Ted Davis entitled “Honest Talk about Intelligent Design” was hotly debated among several groups at the University and several individuals questioned whether FOSEP should host somebody from an academic institution with a religious affiliation to talk about the intelligent design issue. Although the majority of attendees did not find anything objectionable regarding the talks themselves, we have responded to these concerns by writing a report about the experience, which we shared with our sponsoring department (Medical History and Ethics). We have also expanded upon our non-advocacy and non-partisan policy. Details about this policy can be found on our website and will be presented before every public FOSEP event.

Sustainability: Now heading into our fourth year, FOSEP faces significant challenges. Many of the founding members have graduated or will do so soon and maintaining a core group of committed and enthusiastic graduate students and post-docs will be a persistent challenge. To meet this challenge we have moved FOSEP under the umbrella of the Graduate School from the Office of Research Affairs. With the support of Dean Suzanne Ortega we hope to expand our membership base by tapping into departments currently underrepresented in FOSEP (notably those departments with a focus on areas like mathematics, physics, engineering, and computer science). To help with sustainability we have been offered a stable source of seed funding from the Graduate School; we will also pursue fundraising efforts among private donors and individual departments here at the University of Washington. We are also trying to identify and recruit those faculty members whose interests overlap with those of FOSEP to serve as mentors when needed.

FOSEP Directors and Leaders

Directors

Sarah Benki
Jessica Chubak
Jennifer Flexman
William Navarre
Tom Robey
Melanie Roberts

Public Forum Planning Committee

Carla Calogero
Lucia Hindorff
Paula Ladd
Maisy McGaughey
Beth Rowan

Academic Outreach

Anne-Marie Laberge
Emily Marshall
Robert Elleman
Katie Crahan
Jeremy Fischer
Michelle Koppes

Religion and Science Project Group

Thomas Robey
Dan Evans
Jevin West
Emily Marshall
Kristin Miller

Community Events Project Group

Beth Rowan
Jennifer Flexman

Complete FOSEP 2005-2006 Academic Year Event List

November 29, 2005: Public Forum

Medicines and your health: prescriptions for safe and effective drugs

Drug development from the lab to the clinic

Dr. Michael King – Associate Director of Clinical Pharmacology, Johnson & Johnson

Drug Safety: roles and perspectives of the FDA

Shirley Murphy, M.D. - Acting Deputy Director of the Office of Counter-Terrorism and Pediatric Drug Development, FDA.

Drug Safety Challenges and Opportunities: the Example of Cerivastatin

Dr. Bruce Psaty, Professor of Medicine and Epidemiology, University of Washington

December 13, 2005: Seminar

The only thing we have to fear is fear itself: the fear of genetic discrimination and the need for a public policy solution

Tim Leshan, Branch Chief and Senior Policy Analyst, Office of Policy, Communication and Education
National Human Genome Research Institute

January 10, 2006: Discussion

A framework for thinking about health policy issues

Dr. Cindy Watts

Professor

Institute for Public Health Genetics and the Department of Health Services, School of Public Health, University of Washington

January 26, 2006: Discussion

Accommodating minority viewpoints in science

Dr. William Navarre

Senior Fellow and FOSEP Director

Department of Laboratory Medicine, University of Washington

March 14: Seminar and Discussion

Honest talk about intelligent design/The history of creationism and evolution from the 20th century to today

Dr. Ted Davis

Professor of History of Science

Messiah College

March 18 and 25, 2006: Community Discussions

DRUG TALK - Pharmaceuticals and you: from affordable medicines to super humans

Personalized Medicine – Mark Rieder, PhD, Department of Genome Sciences, University of Washington

Why are drug prices so high? - Louis Garrison, PhD, Department of Pharmacy, University of Washington

Using drugs to create super-humans - Kelly Fryer-Edwards, PhD, Department of Medical History & Ethics, University of Washington

The Realities of Gene Therapy - Mark Rieder, PhD, Department of Genome Sciences, University of Washington

Side Effects: What is Safe Enough? - Rafael Ponce, PhD, Associate Director, Toxicology & Pathology, Zymogenetics, Inc.

Protecting human rights in clinical trials - Gary Chovnick, MPH, HIV Vaccine Trials Unit, Fred Hutchinson Cancer Research Center

Drug monitoring for safety and efficacy - Lori Brown, Food and Drug Administration

Alternative Medicines – Jason Allen, ND, Department of Occupational and Environmental Medicine, University of Washington

March 28, 2006: Discussion

We've spent \$15,000,000,000 on health care since 1995. Are we healthier...or just poorer?

Rick Carlson, JD

Professor

Department of Health Services, School of Public Health, University of Washington

April 25, 2006: Seminar and Discussion

We're Not in Kansas Anymore: Scientists, Policymaking, and the Future

Dr. William H. Hooke

Senior Policy Fellow, and Director, AMS Policy Program

American Meteorological Society

May 10, 2006: Discussion

Why don't we have an ecosystem-based approach to oceans management?

Dr. David Fluharty

Research Associate Professor

School of Marine Affairs

May 17, 2006: Seminar and Discussion

The generational divide in environmental policy: should seniors' lives be discounted?

Dr. Alan Krupnik

Senior Fellow and Director

Resources for the Future

May 18, 2006: Panel Discussion

In the Wake of the Korean Stem Cell Scandal: Has anything Changed?

Dr. Young-mo Koo - University of Ulsan (South Korea)

Dr. Kelly Fryer Edwards – Department of Medical History and Ethics, University of Washington

Dr. Chuck Murry – Department of Pathology, University of Washington

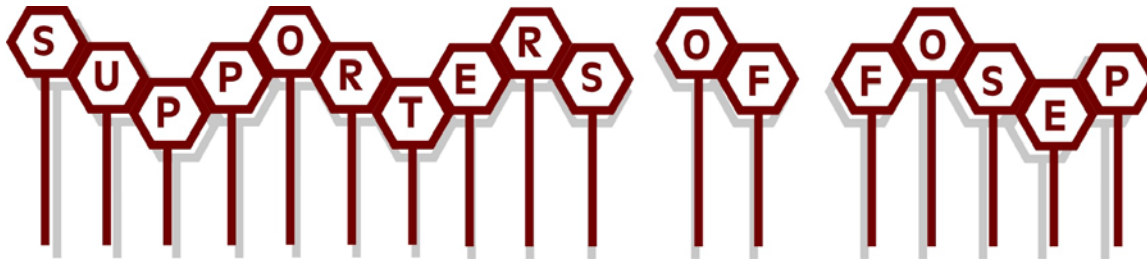
June 13, 2006: Discussion

"You Did WHAT?": How Leaving the Bench Made Me a Better Scientist

Dr. Malia Fullerton

Assistant Professor

Departments of Genome Sciences and Medical History and Ethics, University of Washington



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