Doing Science Policy in the Beltway

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What is Science Policy?

- Science Policy
  - Policy for Science
  - Science in Policy

- Advocacy
  - Advocacy for Science
  - Advocacy for Policy
Melinda Gormley, Ph.D.

• American Association for the Advancement of Science (AAAS)
  • Science & Technology Policy Fellow
  • Environmental Protection Agency (EPA)
    • Office of the Science Advisor (OSA)
      • Scientific Integrity Program
      • Human Subjects Research Program
2300 Scientists from All Fifty States Pen Open Letter to Incoming Trump Administration

Unfettered Science Essential to Decision Making; the Science Community Will Be Watching

WASHINGTON (November 30, 2016)—More than 2300 scientists from all fifty states, including 22 Nobel Prize recipients, released an open letter urging the Trump administration and Congress to set a high bar for integrity, transparency and independence in using science to inform federal policies. Some notable signers have advised Republican and Democratic presidents, from Richard Nixon to Barack Obama.
What opportunities are available in the Beltway?
Internships, Fellowships, and Educational Programs

How do you learn about and gain work experience in science policy and government?
Educational avenues

• Professional degrees:
  • Law and Public Policy
  • Policy track
    • University of Michigan, Gerald R. Ford School of Public Policy, Science, Technology, and Public Policy Graduate Certificate Program

• Masters and PhDs
  • Sciences, Engineering, Political Science, History, Philosophy, Science and Technology Studies...
  • PhD with a policy track
    • Carnegie Mellon University, Engineering and Public Policy (EPP)
    • University of Colorado, Graduate Certificate in Science and Technology Policy
Finding Opportunities in Science Policy

• Pathways for Students and Recent Graduates to Federal Careers
  • Internship Program and Presidential Management Fellows
    https://www.opm.gov/about-us/careers-at-opm/students-recent-graduates/

• AAAS, Engaging Scientists and Engineers in Policy (ESEP)
  • Resource database: http://www.aaas.org/page/resources-1

• Oak Ridge Associated Universities (ORAU) and Oak Ridge Institute for Science and Education (ORISE; orise.orau.gov)
Finding Opportunities: White House

• Office of Science and Technology Policy (OSTP)
  • Tracks
    • Policy Internships – open to all majors and programs
    • Legal internships – open to law and LLM students only
  • Compensation
    • Unpaid internship with funding assistance available
    • Students are eligible for course credit
  • [https://www.whitehouse.gov/administration/eop/ostp/about/student](https://www.whitehouse.gov/administration/eop/ostp/about/student)

• Presidential Innovation Fellowship
  • Partnership between OSTP, Office of Management and Budget (OMB), and General Services Administration (GSA)
  • 12 months, placed in federal agency
  • [https://www.whitehouse.gov/innovationfellows](https://www.whitehouse.gov/innovationfellows)
Finding Opportunities

• National Academies, Christine Mirzayan Science & Technology Policy Graduate Fellowships
  • sites.nationalacademies.org/pga/policyfellows/
  • 12 weeks, paid

• NOAA, John A Knauss Marine Policy Fellowship
  • seagrant.noaa.gov/fundingfellowships/knaussfellowship.aspx
  • 12 months, paid

• California S&T Policy Fellowships
  • fellows.ccst.us
  • 12 months, paid
Fellowships & Resources

AAAS S&T Policy Fellowships, aaas.org/stpf
• Providing opportunities for scientists and engineers to learn first-hand about policymaking while contributing their knowledge and analytical skills in the federal policy realm
• Deadline is Nov 1 annually
• 1 to 2-year fellowship in Washington DC working for a federal agency.

AAAS Mass Media Science & Engineering Fellowships, aaas.org/programs/education/MassMedia
• Places science, engineering, and mathematics students at media organizations nationwide. Fellows use their academic training as they research, write, and report today’s headlines, sharpening their abilities to communicate complex scientific issues to the public.
• Deadline is January 15, 2017
• A 10-week summer program

ScienceCareers.org
• Articles, resources, and other helpful information
• **The Honest Broker** by Roger A. Pielke, Jr. (2007)

• **Playing Politics with Science: Balancing Scientific Independence and Government Oversight** by David B. Resnik (2009)

• **Code of Conduct for Advocacy in Science** by Nicholas Steneck (2013)


• **The War on Science: Who’s Waging it, Why it Matters, What we can Do About It** by Shawn Otto (2016)

• **So what are you going to do with that?: Finding Careers Outside of Academia** by Susan Basalla and Maggie Debelius (2007)

• **Brag!: The Art of Tooting Your Own Horn without Blowing It** by Peggy Klaus (2003)
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