

*Sinclair Manning, GSPS: November 10th, 2017*

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# Science Policy

Opportunities for Graduate  
Students and Postdocs

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*Last Year...*

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# Anna Quider

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Director of Federal Relations for Northern  
Illinois University

Gave Colloquium: A Primer on the Federal  
Budget

Told several horror stories illustrating need  
for scientists to be more involved in policy

[http://www.aps.org/policy/fellowships/  
congressional.cfm](http://www.aps.org/policy/fellowships/congressional.cfm)





There are Science Policy  
Opportunities for Everyone!



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# All Scientists

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- ❖ AAAS Forum on Science and Technology Policy conference in Washington, DC  
<https://www.aaas.org/page/forum-science-technology-policy>
- ❖ AAAS Leadership Seminar in Science and Technology Policy in Washington, DC  
<https://www.aaas.org/event/2016-leadership-seminar-science-technology-policy>
- ❖ AAAS Science Diplomacy 2017 conference in Washington, DC  
<https://www.aaas.org/event/science-diplomacy-2017>
- ❖ Participate in advocacy through professional societies (APS, AIP, AAS, etc.)  
<https://aas.org/policy/advocacy-resources>
- ❖ Volunteer for a political campaign





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# Graduate Students

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- ❖ Christine Mirzayan Science & Technology Policy Graduate Fellowship Program at the National Academy of Sciences  
<http://sites.nationalacademies.org/pga/policyfellows/>
- ❖ Catalyzing Advocacy in Science and Engineering workshop at the American Association for the Advancement of Science – university sponsorship needed  
<https://www.aaas.org/case>
- ❖ Internship in federal agencies (virtual or on site)  
<https://www.fas.org/sgp/crs/misc/98-654.pdf>
- ❖ Internship in congressional offices (Washington, DC or district)
  - ❖ Check individual member's website
  - ❖ Congressional Hispanic Caucus Institute: [http://chci.org/programs/graduate\\_fellowship/](http://chci.org/programs/graduate_fellowship/)
- ❖ Internship at lobby firms, law firms, nonprofits
  - ❖ Lewis-Burke Associates: <http://www.lewis-burke.com/internship>



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# CASE

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- ❖ 4 days in early April in Washington, DC
- ❖ Designed for students with **limited** experience and knowledge of science policy and advocacy.
- ❖ You will learn about:
  - ❖ the structure and organization of Congress
  - ❖ the federal budget and appropriations processes
  - ❖ tools for effective science communication and civic engagement
- ❖ Conduct meetings with their elected members of Congress and congressional staff.
- ❖ **Need to be sponsored by university. Up to two participants from institution. \$125 registration + travel and lodging.**





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# Christine Mirzayan S&T Policy Graduate Fellowship

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- ❖ 12 weeks (January-April)
- ❖ National Academies in Washington, DC
  - ❖ Conduct literature reviews, write background papers, analyze data, attend briefings.
- ❖ Stipend: \$9000
- ❖ Assigned a mentor based on your ranking of available committees, boards, or units.
- ❖ Open to current graduate students or those who have been awarded their degree in the last 5 years.

*The National  
Academies of*

SCIENCES  
ENGINEERING  
MEDICINE

CHRISTINE MIRZAYAN SCIENCE AND TECHNOLOGY  
POLICY GRADUATE FELLOWSHIP PROGRAM  
Policy and Global Affairs



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# Postdocs

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- ❖ **Science and Technology Policy Fellowship** affiliated with the **American Association for the Advancement of Science (AAAS)**
  - ❖ Congressional and federal agency fellowships from AIP and its member societies: <https://www.aip.org/policy/fellowships/overview>
  - ❖ Executive Branch Fellowships: <https://www.aaas.org/program/science-technology-policy-fellowships>
- ❖ **Presidential Management Fellows** program
  - ❖ <https://www.pmf.gov>



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- ❖ Presidential Management Fellows program
  - ❖ <https://www.pmf.gov>



# AIP Congressional Science Fellowship

- ❖ 2 Fellows per year
- ❖ 1 Year in DC (Sept-Aug)
- ❖ 2 week required orientation
- ❖ Stipend: \$77,500
  - ❖ Relocation allowance of \$4000
  - ❖ Allowance for in-service travel
- ❖ Deadline: January 15th

AIP | American Institute of Physics





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# Executive Branch Fellowship

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- ❖ <https://www.aaas.org/story-topics/executive-branch-fellowship>
- ❖ 150 fellowship placements per year
- ❖ Stipend: \$75,000-100,000
- ❖ Serve alongside staff in federal agencies (NSF, NASA, etc.)



Elizabeth Burrows (2014-2016)



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# AAS Science Policy Opportunities

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❖ <https://aas.org/policy/resources/other-science-policy-fellowships>

Josh Shiode



## ❖ John Bahcall Public Policy Fellowship

- Direct advocacy for issues in the astronomical sciences with Congress, the Administration, and others
- Maintaining relationships with key policy people related to the astronomical sciences (Congressional staff, White House staff, federal agency staff, National Academies, etc.)
- Supporting the work of the Committee on Astronomy and Public Policy (CAPP), Division policy committees, and Society and Division leadership
- Coordination of multiple Congressional visits days for groups of members
- Coordination of educational briefings and exhibitions on Capitol Hill
- Drafting of congressional testimony, letters to policymakers, AAS resolutions, and advocacy materials
- Developing and implementing policy sessions for AAS annual meetings
- Authorship of the AAS Policy Blog, policy-related AAS social media, contributions to AAAS R&D analysis publications, and AAS Action Alerts and Informational Emails
- Delivering invited colloquium talks at college/university departments and other institutions around the country
- Representing the AAS in a number of science and technology coalitions, including taking on occasional leadership roles for special events or initiatives
- Attendance at policy-related events: receptions, Congressional hearings, coalition meetings, conferences, briefings, advisory committee meetings, colloquia, etc.



Marcos Huerta



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# Postdocs

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**DO NOT TREAT THESE AS BACK UP OPTIONS!!**

- ❖ **Science and Technology Policy Fellowship** affiliated with the **American Association for the Advancement of Science (AAAS)**
- ❖ Congressional and federal agency fellowships from AIP and its member societies: <https://www.aip.org/policy/fellowships/overview>
- ❖ Executive Branch Fellowships: <https://www.aaas.org/program/science-technology-policy-fellowships>
- ❖ Presidential Management Fellows program
  - ❖ <https://www.pmf.gov>



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# Faculty

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- *Science and Technology Policy Fellowship through American Association for the Advancement of Science*
  - Congressional and federal agency fellowships from AIP and its member societies: <https://www.aip.org/policy/fellowships/overview>
  - Executive Branch Fellowships: <https://www.aaas.org/program/science-technology-policy-fellowships>
- *Temporary/Rotator position at federal agencies or White House*
  - NSF: <https://www.nsf.gov/careers/rotator/>
  - State Department and USAID: <http://sites.nationalacademies.org/PGA/Jefferson/>
  - Intergovernment Personnel Act placements: <https://www.opm.gov/policy-data-oversight/hiring-information/intergovernment-personnel-act/>
- *Serve on committees/advisory boards for federal agencies or National Academies*



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# Undergraduates

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- Internship in federal agencies (virtual or on site)
  - o Virtual Student Foreign Service: <http://www.state.gov/vsfs/>
  - o List of many federal agency internships: <https://www.fas.org/sgp/crs/misc/98-654.pdf>
- AIP Mather Policy Internship through the Society of Physics Students
  - o <https://www.spsnational.org/programs/internships/position-descriptions#scipo>
- Catalyzing Advocacy in Science and Engineering workshop at the American Association for the Advancement of Science– need to be sponsored by Pitt
  - o <https://www.aaas.org/case>
- Internship in congressional offices (Washington, DC or district)
  - o Check individual member's website
  - o Congressional Black Caucus Foundation: <http://www.cbcfinc.org/internships/>
  - o Congressional Hispanic Caucus Institute: <http://chci.org/programs/internships/>
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  - o Lewis-Burke Associates: <http://www.lewis-burke.com/internship>