

NOGLSTP *Bulletin*

Fall 2015

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NOGLSTP Announces Out to Innovate™ Scholarship Winners

NOGLSTP is proud to announce the winners for the 2015/2016 Out to Innovate™ Scholarships, made possible by a 2014 Innovation Generation grant from the Motorola Solutions Foundation.



The winner of the Out to Innovate™ Undergraduate Scholarship is Rachel Owen. Rachel will be entering her final year at Western Washington University this fall and completing her coursework for a dual major in physics and mathematics, with graduation planned for spring 2016. During her time at Western Rachel has worked on various research projects including her senior thesis, Dual Random Quantum Walk Search Algorithms, with Dr. Brandon Peden for the Honors Department. In addition, she was granted a National Science Foundation REU at the Institute of Research in Electronics and Applied Physics at the University of

Maryland – College Park, and was awarded overall best research project by IREAP for her work for Dr. John Rodgers in chaos and nonlinear dynamics. She had the opportunity to present this project at the 2015 meeting of the American Physical Society in San Antonio, TX and received an Undergraduate Research Presentation Award. In addition to research, Rachel has enjoyed helping her peers as an undergraduate lab teaching assistant for the WWU Physics Department and as a Math Fellow tutor for the WWU Mathematics Department. Rachel comes from a small town in northern Idaho, and initially struggled with recognition of her sexual orientation. With the support of family and her community at Western Washington, she is now an actively out lesbian on her college campus and an advocate for the LGBTQ community. The support that she has received from her advisors and other members of the physics community has inspired her to work to address social issues in STEM fields as a career goal, along with research and teaching. She has been elected president of WWU Women in Physics for 2015/2016 and is a founder of the first LGBTQ STEM club at Western, Out in Science. Through involvement in both of these organizations she hopes to promote solidarity and diversity amongst the physics majors, as well as provide a support system for members of the LGBTQ community in STEM fields at Western. She is currently working a research assistant for Dr. Janelle Leger in experimental photonics at WWU and plans to pursue her doctorate in physics after her undergraduate career.

The winner of the 2015 Out to Innovate™ Graduate Scholarship is Dustin Plowman. Dustin is currently a student at the University of California Riverside School Of Medicine. He previously received a Masters of Arts in Urban Education from Loyola Marymount University and a Bachelor's degree from the University of Pittsburgh.

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NOGLSTP Receives Motorola Solutions Foundation Innovation Generation Grant

NOGLSTP has received a grant for \$10,000 as part of the Innovation Generation Grant program from the Motorola Solutions Foundation, the charitable arm of Motorola Solutions, Inc. Through this grant, NOGLSTP will provide scholarships and enhanced mentoring opportunities for LGBTQ students and early career professionals in STEM. The Innovation Generation program awards organizations such as NOGLSTP that foster and support science, technology, engineering and math (STEM) initiatives for teachers and U.S. students from preschool through university levels – especially girls and underrepresented minorities.

NOGLSTP's Out to Innovate™ scholarship program is marking its fifth year as a source for educational support for STEM students in the LGBTQ+ community. These scholarships and mentoring opportunities provide meaningful motivation to sustain the students' career arcs. They are designed to promote academic excellence and increased visibility of talented LGBTQ+ within their fields and communities. All applicants of the scholarship program are provided membership to the organization and opportunities for travel scholarships to NOGLSTP's Out to Innovate™ Summit..

“This will be the fourth year that NOGLSTP has received this grant from Motorola Solutions Foundation Innovation Generation program to sustain the Out to Innovate™ scholarships. These scholarships have been used by students to finish thesis work, provide materials for their research, and for many winners make the difference in staying the course through their programs. NOGLSTP is proud of the support that Motorola Solutions Foundation has given these scholarships” says Rochelle Diamond, Chair of the NOGLSTP Board of Directors.

The Motorola Solutions Foundation grant program impacts about 900,000 students and teachers. “The Motorola Solutions Foundation created the Innovation Generation Grant program eight years ago to support educational experiences that spark students to turn their dreams into the innovations that will shape our society's future,” said Matt Blakely, director of the Motorola Solutions Foundation. “Organizations like NOGLSTP are teaching tomorrow's leaders that careers in engineering and technology are not only fun, but also within their reach.”

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LGBT Chemists Reception at the Fall ACS Meeting



Photos from the ACS Fall meeting and LGBT Chemists Reception. Photo credit: Barbara Belmont

Over sixty L G B T Q + Chemists and Allies gathered for an early evening reception on the Boston waterfront during the Fall 2015 American Chemical Society national meeting this past August. The reception was sponsored by ACS President Diane

Schmidt, ACS PROF Subdivision for Gay and Transgender Chemists and Allies (GTCA), and NOGLSTP. Current GTCA Chair Mary Crawford worked the room to promote sub-division membership, while inaugural GTCA Chair Barbara Belmont doled out drink tickets to thirsty attendees. Also present were Michael Wedlock (GTCA Immediate Past Chair), James Nowick (GTC Chair Elect), Chris Bannochie (ACS Councilor from Savannah River Section), and numerous other NOGLSTP members who are also ACS chemists. ACS President Diane Schmidt made time in her very busy schedule to stop by and let everyone know how happy she was to sponsor the event.

NY Times Contributing Op-ed piece - "Why is Science So Straight?"

Have a peek at this opinion piece which appeared September 4 in the *New York Times*. It is written by Manil Suri, a mathematics professor at the University of Maryland, Baltimore County. It gives a shout-out to NOGLSTP and oSTEM for "taking the lead to provide mentoring and networking – activities that have proved indispensable in the retention of women and minorities." The article is at www.nytimes.com/2015/09/05/opinion/manil-suri-why-is-science-so-straight.html?_r=1

Obama Administration to Prohibit Transgender Discrimination in Health Care

A proposed regulation by the Department of Health and Human Services was issued that entitles transgender people entitled to equal treatment in health care. They would gain the legal right to make civil rights claims against insurers, doctors, hospitals and others who deny them coverage or necessary care because they are transgender. This includes forbidding health insurers from categorically excluding treatments related to gender transitions. The Affordable Care Act already prohibited health insurance companies and medical providers from discriminating against patients based on sex, and the new rules would explicitly extend those protections to transgender people. The department will finalize the proposal once the public has a chance to comment.

Donation in Memory of Elizabeth (Betty) Doucette (March 6, 1949 – May 26, 2015)

NOGLSTP's Out to Innovate™ Scholarship for LGBTQ Students in STEM has received a memorial donation in memory of Elizabeth (Betty) Doucette from her family and friends. The family asked that donations be made to this fund because Betty dedicated her life to her family and to education. Betty was very proud of her children and supported them in their quest to be true to themselves. Her daughter, who is a mathematics and computer science teacher at a high school in Maryland, is a lesbian and married to her wife of seven years. One of her son's best friends is also a lesbian who was disowned by her own family and Betty stepped up and became her mom as well. Betty dedicated her life to the betterment of her town's youth through her service to the local school system. Although outside of her comfort zone at first, Betty fought to understand out of an immense love for her children. She became an advocate for the LGBTQ community in her hometown of Pittsfield, MA. She accompanied her daughter to Capital Pride in Washington, DC and was planning on attending her son's friend's wedding to her partner this fall. The family chose NOGLSTP's Out to Innovate™ Scholarship because it is geared towards supporting a student who possesses the two characteristics Betty was most passionate about - the pursuit of education in the one of the STEM fields and being involved as a LGBTQ community member. The family hopes that this donation is helpful in supporting and furthering her memory through the promotion of education in this community.

Out to Innovate™ Scholarship Winners (continued from p.1):



Dustin Plowman

He is the first of his family to have a college degree. On his own since he was 18, he has bootstrapped himself through his journey, working part-time to making ends meet. He taught science in the Teach for America Program for four years. Dustin has always been very active in the LGBTQ community, founding the LGBT LA Focus Group for Teach for America, and is the founding chair of Gender & Sexuality Action Committee affiliated with the Division of American Medical Student Association at the UCR School of Medicine. One of his goals is to establish an outreach program between the UCR School of Medicine and the LGBTQ+ community within the Inland Empire. As a physician he would like to serve the transgender, gay, and impoverished populations, and advocate for equitable healthcare.

The Out to Innovate™ scholarships are intended for undergraduate and graduate students pursuing degrees in science, technology, engineering or mathematics (STEM) programs who are either lesbian, gay, bisexual, transgender (LGBTQ+) or an active ally of the LGBTQ+ community. The scholarships are designed to promote academic excellence and increased visibility of talented LGBTQ+ students in STEM careers. Funded at \$5,000 each, the scholarships will be for the 2015 fall academic year. As the embodiment of pride in LGBTQ+ and STEM communities, all scholarship applicants receive a complimentary student membership in NOGLSTP, and are invited to attend the next Out to Innovate™ summit. The program marks its fifth year as a source of educational support.

NOGLSTP at SWE Annual Convention

NOGLSTP will staff an information table on October 22-23 during the expo- sition at the upcoming Society of Women Engineers (SWE) annual conven- tion. SWE15, promoted as the world’s largest conference for women engi- neers, will be at the Music City Center in Nashville, TN, on October 22-24.

NOGLSTP’s Tim Wilson to Present Workshop at oSTEM 2015 - 5th Annual National Conference

Tim Wilson, NOGLSTP Board member, will be presenting a workshop on working with K-12 STEM students at oSTEM 2015. The conference will be held on November 13-15 at Carnegie Mellon University in Pittsburgh, PA.

NOGLSTP to Exhibit at Great Minds in STEM™’s HENAAC Conference

NOGLSTP has been invited to network with Great Minds in STEM™ (GMiS), a national 501(c)3 nonprofit organization celebrating 26 years of delivering national STEM awareness programs to students, parents, and teachers in un- derserved communities and providing opportunities for students’ academic and career development. GMiS is now the umbrella organization that encompasses the Hispanic Engineer National Achievement Awards Corporation (HEENAC), MentorNet, and is broadening its vision to help all underserved communities and women. One of the signature programs of GMiS is the HENAAC Confe- rence, in its 26th year. This conference continues to be a competitive re- cruiting forum for STEM diversity. NOGLSTP will have representation at this conference, which will take place in Pasadena on October 14-18 of this year. The event will provide a networking opportunity for over 1,000 college stu- dents to showcase their technical aptitude and connect educators to STEM innovation through their K-12 Educators Institute to be held during the con- ference. There will also be a career and graduate school fair to promote edu- cational and career opportunities for these STEM students.

NOGLSTP LGBTQ+ Reception at the 2015 SACNAS National Conference

NOGLSTP will be sponsoring a LGBTQ+ reception again this year at the 2015 SACNAS National Conference at the Gaylord National Resort & Convention Center, Maryland (8 miles south of Washington, DC), on October 29-31. This year’s conference theme is Interdisciplinary Collaboration: The Role of Di- versity in STEM Innovation. Come be a part of this diversity equation and show how LGBTQ+ STEM people contribute to this role.

NOGLSTP at Purdue Sponsors LGBTQIA Film Festival and Events for Transgender Day of Remembrance

On September 24-27, NOGSLTP at Purdue presented their 4th Annual LGBTQIA Film Festival. The festival included nine films, including a screen- ing and Q&A with the director of the new award-winning documentary *Matt Shepard is a Friend of Mine*. This event was made possible by over a dozen university-affiliated co-sponsors as well as several community co-sponsors.

For this year’s observance of the national Transgender Day of Remembrance on November 20, NOGLSTP at Purdue has partnered with Purdue’s Forestry and Natural Resources Department, College of Agriculture, and Science Diversity Office to invite Dr. Josie Simonis as keynote speaker. Dr. Simonis is an athlete, activist, and scientist who has performed research on food web ecology and conservation biology, as well as significant activist work on transgender issues and topics of inclusion in athletic communities.

IS IT TIME TO RENEW YOUR MEMBERSHIP DUES?

Check your mailing label. Your renewal date is in the upper right section of your address block. Your member- ship number is just to the left of your expiration date. If you have a trial membership, it says “trial” instead of a membership number. You may renew online at www.noglstp.org/memberservices, or fill out the form below (and on the other side of this page), and return it with your check to NOGLSTP, PO Box 91803, Pasadena CA 91109. You may also use this form to inform us of any address or area code changes. LAGLS and NOGLSTP-CR people: please renew through your re- gional group to enjoy discounts on dues.

Membership Form

To renew your NOGLSTP membership or become a member of NOGLSTP, support its activities, and receive a newsletter, complete this form and send it with a check or money order to:

**NOGLSTP
PO BOX 91803
Pasadena CA 91109**

Annual Membership Dues are:

- \$40
- \$20 for postdocs
- \$45 NOGLSTP/National Postdoc Association discounted joint membership dues
- \$10 for students and unemployed*
- *inquire about our limited free memberships to ‘starving students’
- \$1000 for Lifetime Membership

Please pay in US Funds only.

- Renewal
- New
- Info change only

Date:

Name:

Address:(don't forget your zip code!)

Newsletter preference: print email

Telephone:

Email/URL:

Latest Degree/Subject:

Job Title:

Do you want your name and phone/email printed on a membership roster to be released to other NOGLSTP members?
 YES NO

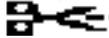
Do you want your email/URL to be placed on the NOGLSTP web page?
 YES NO

Don't forget to fill out the other side



Mark Your Calendars

- October 7-10: BMES Annual Meeting, Tampa, FL
- October 14-18: HENAAC STEM Conference, Pasadena, CA
- October 22-24: SWE Annual Convention, Nashville, TN
- October 29-31: SACNAS National Conference, Gaylord, MD
- November 13-15: oSTEM National Conference, Pittsburgh, PA
- February 21-27, 2016: Global Engineers Week
- March 10-16: DiscoverE Global Marathon



Membership/Renewal Form (continued):

Special Techno-Interests or Expertise:

Please list any other professional organizations/societies that you belong to:

Are you a member of any of these groups?

- American Astronomical Society
- American Chemical Society
- L'GASP: Lesbian, Gay, Bisexual Audiologists and Speech-Language Pathologists
- LAGLS: Los Angeles Gay and Lesbian Scientists
- Mathematics Association of America or American Mathematical Society
- National Postdoctoral Association
- NOGLSTP—Chesapeake Region
- NOGLSTP at Indiana University
- NOGLSTP at Purdue
- OSTEM
- San Diego QuEST
- SPEEA: Society of Professional Engineering Employees in Aerospace, IFPTE Local 2001

For New Members: How did you learn of NOGLSTP?

What would you like to help us with?
(CHECK ANY THAT INTEREST YOU)

- Serve on Board of Directors
- Serve as Chair or Secretary
- Help at AAAS events
- Organize or host local event
- Write newsletter articles
- Edit the newsletter
- Speak about/on behalf of NOGLSTP at an event
- Serve on recognition awards committee
- Assist with the Mentoring Program
- Assist with Out to Innovate™ career summit
- Write a grant proposal
- Evaluate scholarship applications
- Help with fundraising
- Start/represent a GLBT caucus at my professional society: _____
- Don't know but would like to help with something

Nature News Article - "Most Gay and Lesbian Researchers are Out in the Lab"

Maria Broadfoot penned a *Nature News* article that describes a study published by Jeremy Yoder and Allison Mattheis, who are NOGLSTP members. Yoder published results in the *Journal of Homosexuality* showing that LGBT scientists feel more accepted in the workplace than their peers in other professions, and in addition, those working in scientific fields with a high proportion of women, such as the social sciences, were more likely to be out to their colleagues than those in disciplines with a higher percentage of males, such as engineering. The article can be found at: www.nature.com/news/most-gay-and-lesbian-researchers-are-out-in-the-lab-1.18187

DiscoverE Kicks Off its Global Engineers Week with Webcast

DiscoverE launched its campaign on October 1 for Global Engineers Week with a webcast. It is seeking to engage all engineers in participating in February 2016 events to celebrate how "Engineers Make a World of Difference." The webcast was sponsored by Boeing, the American Institute of Aeronautics and Astronautics, SAE International, and Caltech. NOGLSTP's chair Rochelle Diamond was part of the planning committee. Jump-start your 2016 Global Engineers Week planning by joining with NOGLSTP to encourage all of our engineers to participate on February 21-27, 2016. You can watch the webcast at www.discovere.org.

On another DiscoverE note, NOGLSTP has again been asked to organize a LGBTQ+ chat lounge for the DiscoverE Global Marathon to be held on March 8-10, 2016. Be a part of shaping this chat conversation. Please tell your friends and colleagues who would like to impart their experiences as students or engineers in the workplace to contact Rochelle Diamond, NOGLSTP Chair.

ABOUT NOGLSTP

National Organization of Gay and Lesbian Scientists and Technical Professionals is a 501(c)(3) educational organization and professional society of gay, lesbian, bisexual, transgender people, and allies employed or interested in science, technology, engineering, or mathematics (STEM) fields. NOGLSTP empowers LGBTQ individuals in STEM by providing education, advocacy, professional development, networking, and peer support. NOGLSTP educates all communities regarding scientific, technological, and medical concerns of LGBTQ people. Written correspondence may be addressed to: NOGLSTP, PO BOX 91803, Pasadena, CA, 91109-9813. For more information, see our web site at www.noglstp.org

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