

# AWIS

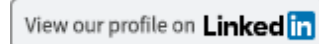
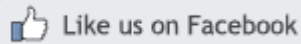
ASSOCIATION FOR WOMEN IN SCIENCE

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## Washington Wire

Edited by Rachel Britt, PhD

Issue II May 2015



Dear Lauren,

Following on the heels of the first, and very successful, Summit on Innovation and Entrepreneurship in Washington, DC, The Association for Women in Science will be hosting a similar Summit in Oakland, CA on Tuesday, September 22, 2015 so that we can continue this national conversation. The Honorable Janet Napolitano, President of the UC System, will serve as our keynote speaker. Our goal is to engage policy experts, employers, funding agencies, and others involved in workforce development in the conversation on innovation and entrepreneurship. By understanding and embracing an expanded model of entrepreneurship that takes into account the experiences, motivations, and developmental needs of both gender, we can enhance innovation across multiple work platforms. Information from the Summit will be utilized for AWIS advocacy initiatives in informing elected officials and federal agencies on the need for policy changes relating to gender to remain globally competitive. Details will be forthcoming on the AWIS website.

Please take time to reflect on our Washington, DC Summit by [viewing the video recordings](#) using the password "advancingwomen". We are looking forward to continuing this important conversation as well as your active participation.

Sincerely,

Cindy Simpson  
Chief Development Officer

## Member Profile

**Lauren Dembeck**

**Member Type:**  
Junior

**Member Expiration:**  
2/4/2016

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## Featured Jobs

[Electrical Engineer](#)

California Institute of Technology  
Livingston Parisl, LA

[California Naturalist  
Coordinator](#)

University of California  
Davis, CA

Questions/Comments? Email us at [awis@awis.org](mailto:awis@awis.org) or call 703.894.4490. We love hearing from you.

**Postdoctoral Research Fellowship**

Oak Ridge Associated Universities  
Oak Ridge, TN

Click [here](#) to visit our Career Center!

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## Careers

Contributed by Lauren Dembeck

### The 25 Best Cities for Jobs

Looking for a new job? Ready for a change of scenery? Glassdoor recently released its list of the 25 best cities for jobs. Cities were ranked based on three factors: how easy it is to get a job (hiring opportunity), cost of living, and job satisfaction. Raleigh, North Carolina claims the number one spot. Check out the list to find a city that might suit you best!

### [Jobs aplenty](#)

Contributed by Rachel Britt

### Letting Go of Tenure Track Dreams

The minority of PhD scientists now obtain tenure-track positions at research institutions. However, the majority of careers held by advanced degree holders are still stubbornly called "alternative." There's a growing recognition that letting go of tenure track dreams is a difficult process. This article recommends some ways to care for yourself if you're making the transition away from academia.

### [After academia](#)

## Education

Contributed by Lauren Dembeck

### Seeking Loan Forgiveness for Defrauded Students

In a petition issued to the Department of Education, the National Consumer Law Center demanded cancelation of the federal student loans of borrowers who attended schools owned by Corinthian Colleges, Inc. or any of its subsidiaries. Corinthian was fined by the DOE for misrepresenting job-placement rates. However, the DOE is hesitant to issue blanket debt relief on the behalf of students due to an unclear provision in the Higher Education Act and questions on how to determine who deserves forgiveness.

### [Bamboozled](#)

Contributed by AWIS

### Energy Companies Step in to Fund STEM Education

It's no secret that the education system in the United States is underfunded. Which can be scary for companies who hope to have highly educated employees in the future. Energy companies are putting their money where their mouth is by donating to high school STEM programs.

### [Privately-funded education](#)

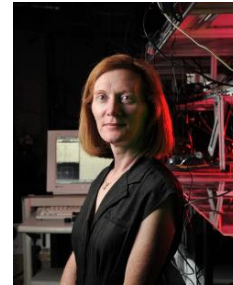
## Science and Technology

Contributed by Shabnum Patel

### It's a bird. It's a Plane. It's . . . a Flying Human.

Yves Rossy and Vince Reffet have developed jetpacks whose metal turbines have been 3D printed. The "jetmen," as they

## AWIS Fellow Spotlight



### Margaret Murnane, PhD University of Colorado AWIS Member since 1990

Dr. Margaret Murnane is a Fellow at JILA and a member of the Department of Physics and Electrical and Computer Engineering at the University of Colorado. She received her B.S. and M.S. degrees from University College Cork, Ireland, and her Ph.D. degree in physics from the University of California at Berkeley in 1989, and joined the faculty of physics at Washington State University in 1990.

In 1996, Murnane moved to the University of Michigan, and in 1999 she moved to the University of Colorado. She runs a joint research group and a small laser company with her husband, Prof. Henry Kapteyn.

[Dr. Murnane is also one of nine academic women recently elected to the American Philosophical Society.](#)

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are known, tested the jetpacks by flying over the Dubai skyline, weaving between skyscrapers. The responsiveness of the jetpack is shown by the ability to fly in close proximity to a jetpack companion. While the jetpacks are limited by their need for assistance in getting airborne and landing, being able to fly solo at top speeds and altitudes will expand interest in the field considerably.

### [Summer travel by jetpack](#)

#### **Google's Self-Driving Cars**

Google is set to begin testing self-driving cars in Mountain View, California this summer. While test drivers will be on board, the cars will hit the streets surrounding the company headquarters in a pilot program. One of the barriers in creating these self-driving cars was helping the computer program understand regional differences in driving and culture. Ultimately, the company hopes these cars will be completely autonomous, where the only responsibility the driver has is typing in the destination.

### [No hands, no problem](#)

## Work-Life Integration

Contributed by Mrinalini Muralidharan

#### **Meeting the Fluctuating Needs of Personal and Work Life**

Both personal obligations and work can change from week to week and sometimes day to day. Autonomy and flexibility to choose to address whichever ones are the most pressing at the time helps people thrive. Workers who have high autonomy, are closely connected to others, and work with purpose according to their values, tend to do well even with longer work weeks.

### [Work life seesaw](#)

#### **Millennials Demand Work-Life Balance**

More than any generation before them, millennials are the most willing to take a pay cut, pass up a promotion, or even relocate to better manage the demands of work and life. As millennials slowly take over the workforce, employers are also more willing to meet their demands for flexibility.

### [Not afraid to ask](#)

## Health

Contributed by Jaime Smith

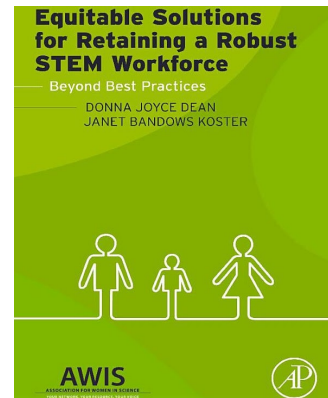
#### **Countering the Harms of Sitting 2 Minutes at a Time**

A new study offers some perspective on how to counter the unhealthy effects of sitting for long stretches of time. Researchers at the University of Utah monitored the daily activity of more than 3,600 adults who reported being healthy at the beginning of the study. They found that standing had little effect on mortality risk. However, those who walked for just a couple minutes every hour lowered their risk of premature death by 33 percent.

### [Walk this way](#)

#### **Toxic Chemotherapy, a Medical Mystery**

While most cancer patients would probably describe chemotherapy as unpleasant, its effects for some are substantially worse. Some patients can maintain jobs during treatment, but when Kathy Lang Albright started chemo, the side effects were so debilitating, she couldn't leave her home. Several months later, she found out there was a biological reason-she was deficient in an enzyme required to break down one of the drugs, causing it to rise to extremely toxic levels.



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Join the Conversation!



## Editor's Choice

[Nine Women Academics Elected to American Philosophical Society](#)

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## Events

[AWIS Webinar: Successful Leadership Strategies for Women in STEM: Going Beyond "Leaning In"](#)

*Tuesday, June 16, 2015*

For more information on upcoming events for 2014, or to register for an event, visit the [AWIS Events Calendar](#) online!



## Opportunities

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[Nominations for the National Medals of Technology and Innovation](#)

Nominations are currently being accepted for the National Medal of Technology and Innovation. The National Medals offer a unique opportunity to showcase the best and brightest minds within your organizations and the outstanding scientists and innovators you work with each and every day.

**Nominations due by June 1, 2015.**

[German Chancellor Fellowship of the Alexander von Humboldt Foundation](#)

Each year, the German Chancellor Fellowship for prospective leaders gives up to 50 highly talented young professionals from Brazil, China, India, Russia and the USA the opportunity to spend a year in Germany enhancing their professional qualifications. Working with a host and mentor of their choice, the fellows implement independently developed projects in their respective field, e.g. in politics, business, society, culture or the media. The fellowship programme is under the patronage of the Chancellor of the Federal Republic of Germany.

**Deadline for applications is September 15, 2015.**

[2015 AAMC Learning Health System Research Learner award](#)

This award allows individuals to connect with leaders in the field as a means to advance their own professional development and rise as a leader at their own institution. LHS Learners are interested in focused learning opportunities and in bridging connections between research, clinical care, and education at their institution. Awarded LHS Learners will be invited to the LHS Research Award kick-off meeting on Thursday, February 12, 2015 at the AAMC headquarters in Washington, DC. Travel and lodging fees will be waived for the LHS Learner awardees. To apply, please email your current CV and contact information to [rocc@aamc.org](mailto:rocc@aamc.org).

[BBRG Affiliated Scholars Program](#)

The BBRG Affiliated Visiting Scholars Program is designed to accommodate scholars who would like to spend a relatively short period of time in residence, ranging from one month to six months. The BBRG Affiliated Visiting Scholars Program is open to senior and junior faculty (tenured and untenured), visiting scholars, postdoctoral scholars and independent scholars, from the U.S. and abroad, whose work is centrally on women and gender. Applicants must have the Ph.D. (or its equivalent) in hand one year prior to the beginning of the appointment. (Applications accepted throughout the academic year)

#### [Travel Award Program for Early Career Investigators](#)

Keystone Symposia on Molecular and Cellular Biology will offer a limited number of travel awards to early career investigators at the Assistant Professor or equivalent industry scientist level.

#### [Small Business Postdoctoral Research Diversity Fellowship](#)

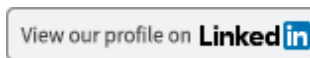
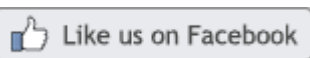
The Small Business Postdoctoral Research Diversity Fellowship program aims to encourage creative and highly-trained recipients of doctoral degrees in NSF-supported science, technology, engineering and mathematical disciplines to engage in hands-on research projects in their areas of expertise at the kind of small innovative businesses that historically have fueled the nation's economic regime. Each research fellow will receive a stipend of at least \$75,000 plus health insurance benefits.

#### [NSF's Career-Life Balance \(CLB\) Initiative](#)

Scientists now have the opportunity to submit supplemental funding requests to support additional personnel (e.g., research technicians or equivalent). This will help sustain research when the Principal Investigator is on family leave.

#### [White House OSTP Internship Program](#)

The Office of Science and Technology Policy advises the President on the effects of science and technology on domestic and international affairs. The office serves as a source of scientific and technological analysis and judgment for the President with respect to major policies, plans and programs of the Federal Government. Interns are accepted for one of three annual terms (Spring, Summer, or Fall), which each last no more than 90 days. While these positions are without compensation, the assignments provide educational enrichment, practical work experience, and network opportunities with other individuals in the science and technology policy arena. For questions, please contact Rebecca Grimm [rgrimm@ostp.eop.gov](mailto:rgrimm@ostp.eop.gov).



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