

March 8, 2013

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ADVANCE-Nebraska E-News

Advancing Women, Advancing STEM

Of Special Interest:

- Science for all
- [National Women's History Project Chooses STEM Theme for Women's History Month](#)
- Are our colleges equipping women to be leaders?

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Science for all

*From Nature
Editorial
March 6, 2013*

Whether female scientists will want to celebrate International Women's Day on 8 March may depend on how far they look back in time. Things have changed, and if you talk in terms of decades, there are considerable victories to cheer about. But despite those

victories, progress now seems to have stalled. That is clear from the package of articles in this week's *Nature* (see nature.com/women) that exposes the dismaying extent to which sexism still exists in science. In the United States and Europe, around half of those who gain doctoral degrees in science and engineering are female — but barely one-fifth of full professors

are women. Women are not invited in significant numbers to sit on the scientific advisory boards of start-up companies.

[Read all the articles.](#)

Hold the date!
Thursday, March 28,
2013, from 3:30-5:00 pm,
in 217 Love Library, Ann
Austin will host an Open
Forum for STEM Faculty
as part of ADVANCE's
summative evaluation.

National Women's History Project Chooses STEM Theme for Women's History Month

This year the National Women's History Project's theme for Women's History Month is "Women Inspiring Innovation through Imagination: Celebrating Women in Science, Technology, Engineering, and Mathematics."

As the month progresses, you'll be reading more in the ADVANCE newsletter

about inspirational women in STEM fields at UNL. Meanwhile, make sure to visit the National Women's History Project and learn more about eighteen fascinating women scientists who paved the way for women in STEM Fields.

[Visit the National Women's History Project](#)



Images from the National Women's History Website

Are our colleges equipping women to be leaders?

From The Washington Post
By Lillian Cunningham
February 22, 2013

...From time to time, we pull together a virtual round table for the Washington Post's On Leadership section, where we invite several experts to write op-eds on the same subject but from

different perspectives. This time, we asked three female presidents — Amy Gutmann of the University of Pennsylvania, Georgia Nugent of Kenyon College and Debora Spar of Barnard College — to share their thoughts on these issues facing women in higher education today.

Read the round-table articles:
Debora Spar: [Our brightest female graduates are still at a disadvantage](#)

Georgia Nugent: [Can we stop talking about the glass ceiling?](#)

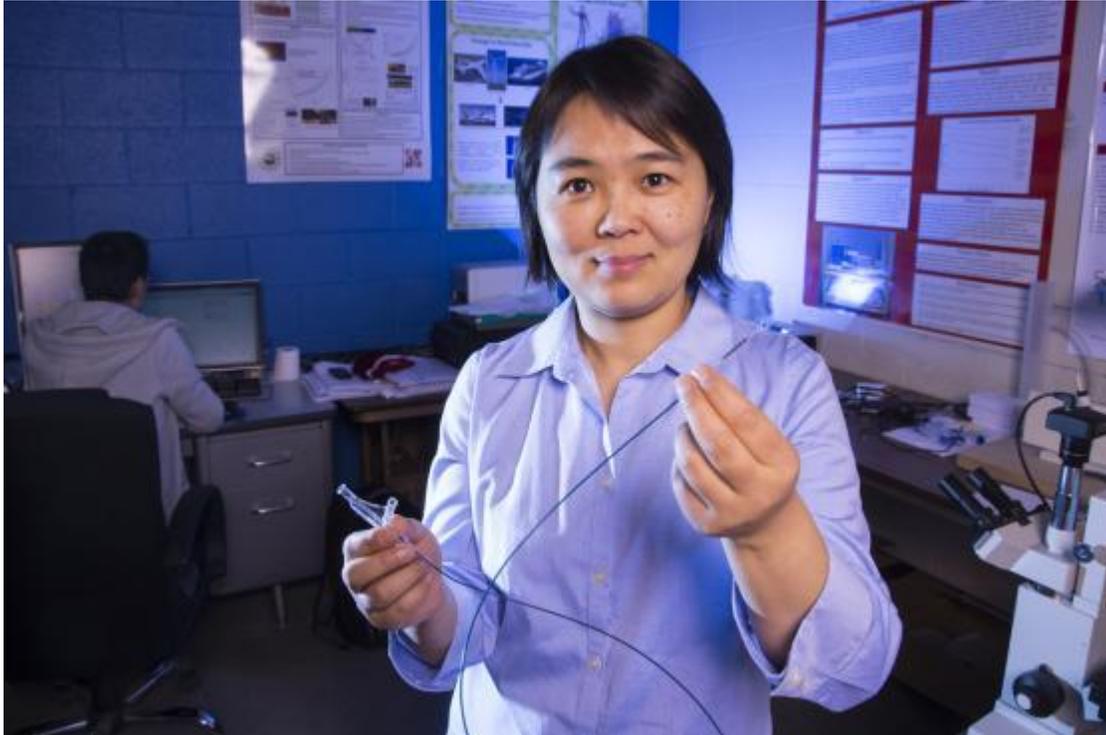
Amy Gutmann: [Time for more women to run our schools](#)

[Read the full article.](#)

Congratulations to Linxia Gu: ADVANCE's First Dual Career Hire!

From Today@UNL

Wednesday, March 6, 2013



Engineer aims to reduce blood vessel stent complications

Linxia Gu, assistant professor of mechanical and materials engineering and a member of UNL's Nebraska Center for Materials and Nanoscience, recently earned a five-year, \$406,248 Faculty Early Career Development Program Award from the National Science Foundation to continue her research. [Continue reading...](#)

Women in Biotechnology: Barred from the Boardroom

"The number of women in scientific research is going up, but men still rule in places where academia crosses into industry."

By [Alison McCook](#) and [Nature magazine](#)

[Read the full article!](#)

**SCIENTIFIC
AMERICAN™**

From Science on NBC News:

5 reasons why women trail men in science and engineering



Paul Sakuma / AP file

Stanford graduate Serena Yeung, 23, worked as a software engineer at a Silicon Valley startup before returning for graduate school. "Sometimes it can be hard," she said last year about working for a high-tech venture. "You go in and you're the only girl in it."

By Stephanie Pappas
LiveScience

Though women now receive half the doctorates in science and engineering in the United States, they make up only 21 percent of full science professors and a measly 5 percent of full engineering professors....research has found the root of the problem may be the clash between **career and child-rearing**, especially given that the long road through graduate school, postdoctoral research positions at universities and tenure-track professorship meanders through a person's 20s and 30s, a time when a woman is disproportionately more likely than a man to have childbearing and child care responsibilities.

[Read the full Story.](#)



**NOMINATIONS NOW OPEN FOR
THE 2014
Presidential Award for Excellence
in Science, Mathematics, and
Engineering Mentoring
(PAESMEM)**

"...we celebrate the contributions of all those who cultivate a supportive environment for the next generation, and we recommit to expanding mentorship opportunities across our country."

*– President Barack Obama
Presidential Proclamation
for National Mentoring Month, 2012*

**\$10,000 Honorary Presidential
Award**

Awardees are invited to Washington, D.C. for recognition events and meetings with policy leaders.

**Nomination materials due by
June 5, 2013**

Anyone can nominate an individual or organization and self-nominations are accepted.

Go to **<http://www.nsf.gov/PAESMEM>** for nomination forms



National Science Foundation
WHERE DISCOVERIES BEGIN



Call for Nominations - 2013 National Medal of Science

The National Science Foundation is now accepting nominations for the 2013 National Medal of Science. Nominations are due on April 1, 2013. Please review the [nomination information](#) and submit your nominations through [FastLane](#). We are especially interested in identifying women, members of minority groups, and persons with disabilities for consideration. A flyer advertising the 2013 call for nominations is available at [nsf_2013nationalmedalofscience_callfornominations.pdf](#).

The National Medal of Science was established by the 86th Congress in 1959 as a Presidential Award to be given to individuals "deserving of special recognition by reason of their outstanding contributions to knowledge in the physical, biological, mathematical, or engineering sciences." In 1980 Congress expanded this recognition to include the social and behavioral sciences.

A Committee of 12 scientists and engineers is appointed by the President to evaluate the nominees for the Award. Since its establishment, the National Medal of Science has been awarded to 468 distinguished scientists and engineers whose careers spanned decades of research and development. The recipients database from 1962 to the present can be searched at <http://www.nsf.gov/od/nms/recipients.cfm>.



Professional and Career Development

Office of Postdoctoral Studies

Postdoctoral Advisory Council

Image by Andreas Levers

Friday, March 29

Check-in and continental breakfast

8:30-9:00 a.m.

Nebraska Union

Hope Is Not A Plan

Hands-on Workshop

9:00-11:00 a.m.

Nebraska Union

This hands-on workshop will provide you with the tools to develop your own career plan and create a strategic framework—with specific, measurable, achievable, realistic and timely (SMART) milestones—to achieve your long-term goals. Envisioning yourself as a successful professional in as much detail as possible allows you to develop a practical plan to make your vision a reality.

Reshaping Postdoctoral Training in the 21st Century

Postdoc/PI Luncheon keynote presentation

11:30-1:00 p.m.

Nebraska Union

Dr. Micoli will focus on the opportunities in today's job market and how changing the way we train scientists can be improved without sacrificing the quality of the science performed at academic institutions.

Register for one or both events at <http://go.unl.edu/133N>

presented by:



Keith Micoli, Ph.D. — Biochemistry and Molecular Biology

- Postdoctoral Program Director, NYU School of Medicine
- Member, GREAT Postdoc Leaders Group
- Co-author, *AAMC Compact for Postdocs and Mentors*
- Board of Directors, National Postdoc Association
- Collaborator, NIH K99/R00 grant mechanism

sponsored by the Office of Postdoctoral Studies
and the Postdoctoral Advisory Council

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