

If you're a BU Alum who would like to continue to hear about GWISE events and maybe share some sage advice, add your information [here](#) so we can keep you updated!



GWISE May Newsletter

May 15, 2012

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Boston Community

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Career Resources

[AAAS: Careers](#)
[Propel Careers](#)
[The Prodigal Academic](#)
[Career Rocketeer](#)

Newsstand

[High-Paying Career Tops Women's Priorities](#)

Phone surveys conducted by the Pew Research Center revealed that two-thirds of women between ages 18 and 34 cited a high-paying career among their top life priorities, up from 56% in 1997. At the same time, the number of women who said being a good parent was one of the most important things in their life increased 17 percentage points.

[Study Suggests Powerful Women Better Seen than Heard](#)

Hey GWISE!

Congrats to all of our members who are graduating this spring semester!! If you'd like to continue to hear about GWISE events and maybe share some sage advice, add your information [here](#) so we can keep you updated!

GWISE has a number of FUN ways to kick off your summer and keep you going both mentally and physically. We are offering not one, but TWO book clubs *and* an evening fitness group that meets TWO times a week. What better way to fend off stress while strengthening your mind and body?

After the workout perhaps you'd enjoy a free hour-long massage? Take the [Year End Survey](#) below for your chance to win a massage or many other AWESOME prizes! Stay tuned for more upcoming summer events on the [GWISE calendar](#). If you can't wait til the next one, you should join our team of volunteers to help out with events! Email gwise@bu.edu if you'd like to become a volunteer!

Looking forward to seeing you at the next event!

GWISE

GWISE Year End Survey 2011-2012

Want to win a free hour-long massage? How about a free mani or pedi? Or maybe a gift card to Amazon or Espresso Royale?! Don't Mind if I DO! Take the (super short!) Year End Survey [HERE](#)

The key to a successful organization is its members! GWISE wants to hear from you! What events did you love? What events do you want to see more of? What times work best for you? We'd love your feedback so that we can provide the programming you want! Let us know how we're doing and how we can improve things for you.

As a *special incentive* for our members taking the survey, we are offering **AMAZING PRIZES!** Complete the survey for your chance to win one of the fabulous prizes below:

- Gift certificate good for an hour-long introductory massage (or equivalent spa service) at Massage Envy in Brookline
- Gift certificate good for pedicure (or equivalent service) at MiniLuxe in Brookline
- \$20 gift card to Amazon.com
- (3) \$10 gift cards to Espresso Royale Cafe!

GWISE Event: June Professional Development Book Club - *A PhD Is Not Enough! A Guide to Survival in Science*, by Peter J. Feibelman

Date & Time: Wednesday, June 27th, 12:30pm

Location: MCS 148 (111 Cummington Street)

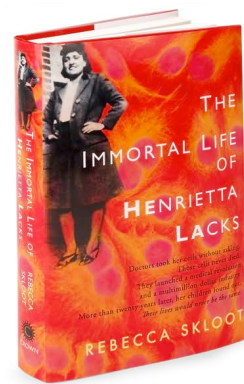
[RSVP HERE](#)

To start off the summer, GWISE Book Club will be reading [The Immortal Life of Henrietta Lacks](#) by Rebecca Skloot.

Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor Southern tobacco farmer, yet her cells—taken without her knowledge—became one of the most important tools in medicine. The first “immortal” human cells grown in culture, they are still alive today, though she has been dead for more than sixty years.

Henrietta's family did not learn of her “immortality” until more than twenty years after her death. And though the cells had launched a multimillion-dollar industry that sells human biological materials, her family never saw any of the profits. As Rebecca Skloot so brilliantly shows, the story of the Lacks family—past and present—is inextricably connected to the dark history of experimentation on African Americans, the birth of bioethics, and the legal battles over whether we control the stuff we are made of.

Join GWISE as we read and discuss this popular and thought-provoking book. GWISE has several



Even though most PhD trained scientists enter careers in industry, government or other areas, academic research continues to be viewed as the preferred career path and the route touted by advisors. A national survey of PhD students at tier-one U.S. institutions reveals that the attractiveness of academic careers decreases significantly over the course of the PhD program.

[Commission Says Do More for Grad Students](#)

The Educational Testing Service (ETS) and the Council of Graduate Schools (CGS) released "Pathways Through Graduate School and Into Careers" which seeks to answer questions about what graduates do, how their work life progresses, and how well prepared they are for their careers. The report recommends that graduate schools make career counseling services available and suggests that federal agencies should develop a Professional Plus Program to fund professional development as an enhancement to any grant on which research assistantships are funded.

[A Blueprint for Transforming Career and Technical Education](#)

The U.S. Department of Education released a report titled "Investing in America's Future: A Blueprint for Transforming Career and Technical Education" to support the reauthorization of the Carl D. Perkins Career and Technical Education Act of 2006 which introduced important changes in federal support for career and technical education.

[Bayer Corporation Releases Years' Worth of STEM Education Data](#)

The report is a compilation

copies; please contact Rachel at rcs204@bu.edu to borrow one.

GWISE Event: Professional Development Book Club Reads *Every Other Thursday: Stories and Strategies from Successful Women Scientists* by Ellen Daniell

Every Other Thursday

STORIES AND STRATEGIES FROM
SUCCESSFUL WOMEN SCIENTISTS



ELLEN DANIELL

Date & Time: Friday, June 22th, 12pm

Location: TBA

[RSVP HERE](#)

This book tells the story of a professional problem-solving group that for more than 25 years has empowered its members by providing practical and emotional support. The objective of "Group," as Ellen Daniell and six other members call their bimonthly gatherings, is cooperation in a competitive world. And the objective of *Every Other Thursday* is to encourage those who feel isolated or stressed in a work or academic setting to consider the benefits of such a group—a group in which everyone is on your side.

Each of the high-achieving individuals in Group (including members of the National Academy of Sciences, a senior scientist at a prestigious research institute, and university professors and administrators) has found the support of the others to be an essential part of her own success. Daniell provides detailed examples of how members help one another navigate career setbacks or other difficulties. She shows that group support, discussion, and application of common experience bring to light practical solutions and broader perspectives. In an inspirational conclusion, the author offers advice and practical guidelines for those who would like to establish a group of their own.

Please join us in reading and discussing this book in the GWISE PD Book Club! GWISE will have several copies available for loan. Contact Emily at welsch@bu.edu to borrow one.

GWISE Evening Fitness Group @ FitRec



**Days & Locations: From May 29th - August 9th
Tuesdays and Thursdays 7-8pm, FitRec RM 220**

Come join the free awesome GWISE workout group! The workouts include: cardio-kickboxing, core, stability ball and more.

If you'd like to be in the group and get updates about the schedule, please add yourself to the gwise-fitness google group: <http://groups.google.com/group/gwise-fitness>

Contact Lauren at lmangano@bu.edu if you have any questions.

BU Bioinformatics Event: 5th Annual Student Organized Symposium

Date & Time: Wednesday, June 6th @ 9:30AM - 5:30PM

Location: LSEB B01 Auditorium, 24 Cummington Street

The BU Bioinformatics program will be hosting a student-organized symposium on Wednesday, June 6, 2012 in the B01 auditorium of the Life Sciences and Engineering Building. We have five distinguished speakers from various across the country (even one from Japan!) to give a talk on their work. As the content of the talks vary from personalized medicine to transposable elements and sequence

of data from 1995-2011 for the Bayer Facts of Science Education public opinion research surveys that polled various audiences including Ph.D. scientists and science teachers. Fifteen universally held beliefs about STEM education are identified including the need for science literacy and the important role parents can play.

[The Foodies Guide to Calcium](#)
The "got milk?" ad campaigns of the late 1990s were an effective strategy to get individuals to drink more milk. Boasting an average of 300mg of calcium per standard serving, a glass of milk has long been seen as a great way to obtain this mineral. But, don't forget the other options! This article highlights other calcium-rich foods - from leafy greens and nuts, fish.

[Want to Gain Weight? Go on a Diet.](#)
In an effort to lose weight quickly, many individuals choose to "go on a diet". Yet, this approach may actually lead to weight gain according to recent research! It has been shown that when dieting there is a rise in hormones that stimulate appetite and a drop in those that suppress it. For sustainable and healthy weight loss, the best approach seems to be making incremental lifestyle changes.

[Populations of Neurons Speak](#)
The ability to simultaneously record the activity of many neurons is quickly becoming a standard practice within the field of neuroscience. Yet, what these patterns of neuronal firing actually mean is a problem that has yet to be solved. A recent article published in the Frontiers of Neuroscience discusses a new method of calculating and

comparisons, I am sure that they will be interesting and informative for a number of GWISE members. It will take place in LSEB B01 basement auditorium from 9am-5pm. Check out the tentative schedule is [HERE](#).

NSF GK12 Programs at Boston University: Fellowship Opportunity

This fellowship opportunity provides 2/3 of the year's financial support, starting June 1, in exchange for just one semester helping teach in an urban classroom.

If you like teaching, or want a different experience, but also want to continue your research, this might be for you.

Application and Information Here: <http://www.bu.edu/gk12/>

Graduate Students in Science, Mathematics & Engineering

National Science Foundation Graduate Fellowships in K-12 Education

Shared Support Model

GK-12 Fellows will:

- **Earn 2/3 fellowship support for 12 months beginning June 1, 2012.**
- Team with science teacher from a local high school or middle school and a BU faculty member to develop activities and lessons for classroom (from biology, chemistry, education, engineering, medicine, or physics);
- Work together to enhance curricula and content with labs, demos, units and hands-on examples.
- Receive specialized training in teaching methods, curriculum development, and classroom dynamics.

During the 2012 – 2013 Academic Year:

1. The Boston Urban Fellows program will supply 2/3 of graduate student funding for the year in exchange for one semester of immersive urban classroom experience. During your semester of engagement, you will spend ~15 hours per week, ~10 in the classroom and ~5 in preparation, or about two days a week. This summer before, there will be occasional training activities and a 1-week workshop August 6-10. Our estimate is that the workload, averaged over the year, is about 20-25% time, for the 67% financial support.
2. A pair of GK-12 fellows will be assigned to the same teacher. Each fellow will be engaged for 15 hours per week in the classroom for one of the two semesters, and during the semester they are not teaching, they will observe and provide feedback occasionally to the other fellow. A pair of students from the same group or research center, working together with one teacher and classroom over the course of a year, is ideal.

Requirements:

- No US citizenship required.
- GPA 3.0 or higher and a PhD degree candidate at Boston University, preferably students who have already passed comps/qualifying exams. 3rd, 4th and 5th year students work out best.
- Ability to commit for one full year beginning June 1, 2012 through May 31, 2013
- Participation in summer training program, ~5 hr./wk during June and July and a fulltime one-week fellow/teacher workshop in August 6-10.
- Available for monthly team meetings
- Time commitment 15 hours per week, leaving time for research laboratory work when in classroom.

analyzing information conveyed by populations of neurons.

[The Strategy of Science Deniers](#)

From Galileo to global warming, there have always been those that deny science. Evolutionary biologist, Sean Carroll, studies the similarities between different occurrences of science denial. He explains that there is a common pattern that deniers follow in an attempt to cast doubt on good science.

[James Cameron's Plan to Mine Metals in Space](#)

A group of high-profile CEOs, researchers and celebrities have created Planetary Resources, a company that will mine asteroids for precious metals. The firm is backed by the likes of Google's Larry Page and Hollywood director James Cameron.

[Friends Keep You Healthy](#)

Female friendships are amongst the strongest bonds that can exist between individuals. In fact, females who are friends with other females tend to have stronger immune systems, are more emotionally resilient, and live longer. The benefits are clear across animal kingdoms and extend into human relationships. So grab a friend and go have a chat over a cup of coffee!

Contact Us
[Email gwise@bu.edu](mailto:gwise@bu.edu)

BU Alumni

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Would you like to volunteer for GWISE?
[Email gwise@bu.edu](mailto:gwise@bu.edu)

Explore lesson plans from prior fellows, view video and apply on-line at:
www.bu.edu/gk12

Workshop Dates: August 6-10, 2012

Contacts:

Prof. Bennett Goldberg
Boston University Physics Department
goldberg@bu.edu; 617-353-5789

Alexis Knaub
Program Coordinator
avknaub@bu.edu

Application and Information Here: <http://www.bu.edu/gk12/>

AWIS & Merck Women's Network Event: Influence without Authority

Date & Time: Wednesday, May 16th, 6:00PM - 8:30PM

Location: Merck Research Laboratories Atrium & Auditorium, 33 Avenue Louis Pasteur, Boston, MA 02155

See Event Flyer [HERE](#)

MASS-AWIS and the Merck Women's Network present:

Influence without Authority

Speaker: Gwen Acton, Ph.D.

Wednesday May 16, 2012 6:00-8:30pm

Merck Research Laboratories Atrium & Auditorium

33 Avenue Louis Pasteur, Boston, MA 02115

Many situations require getting things done through others, when we don't have explicit power. This seminar will provide an overview of what motivates others, common mistakes, and practical tips on how to lead others in an organization when you don't have authority over them.

Speaker: Dr. Gwen Acton is the CEO of Vivo Group, a strategic consulting firm in Boston that specializes in improving the productivity and innovation of scientists and engineers. She is an expert on strategic leadership at the intersection of science and business. Gwen holds a PhD in biology from MIT and has served as the Director of Scientific Development at the Whitehead Institute, Center for Genome Research. She is also a former faculty member at Harvard and the Author of the book: "Bluffers Guide to Genetics".

Agenda:

6:00-6:30 pm: Registration, Networking and light dinner (Atrium)

6:30-6:45 pm: Announcements and Promotions (Auditorium)

6:45-7:45 pm: Talk by Dr. Gwen Acton (Auditorium)

7:45-8:30 pm: Networking and Dessert

To register, visit:

www.acteva.com/go/mass-awis

\$10 AWIS members

\$20 non-AWIS members
Free for Merck employees (register with Merck email address)

For more information visit:

www.mass-awis.org

Join AWIS to save money on events and to support our work!

See Event Flyer [HERE](#)

AWIS Event: Mentoring Program Celebration

Date & Time: Wednesday, May 23rd, 6:30PM - 9:00PM

Location: 43 Vassar St., Cambridge, MA (MIT Building 46, RM 3310)

See Event Flyer [HERE](#)

MENTORING MATTERS!

A CELEBRATION OF THE MASS AWIS MENTORING PROGRAM

Wednesday May 23rd, 2012, 6:30-9:00pm

Location: MIT-Picower Institute of Learning & Memory
MIT Building 46, Rm 3310,
43 Vassar Street, Cambridge
(Nearest T stop Kendall/MIT)

Mentoring is fundamental to both our personal and career development – mentoring matters! This celebration marks the end of the MASS AWIS 2011-2012 Mentoring Program. We also welcome those interested in participating in future mentoring circles, either as a mentor or mentee.

Come hear our distinguished speaker, **Dr. Joanne Kamens**- Executive Director of Addgene; Dr.Kamens has been actively involved in raising awareness for women in science since 1998. She was the founding president of the Massachusetts AWIS chapter and was instrumental in starting the MASS AWIS Mentoring Circle program.

Agenda:

6:30-7:00pm: Registration, Networking, and Light Dinner

7:00-8:00pm: Recap of this year's Mentoring Circles

8:00-8:30pm: Presentation by Dr. Joanne Kamens

8:30-9:00pm: Networking/Conclusion of the evening

TO REGISTER, AND FOR MORE INFORMATION, VISIT:

<http://www.acteva.com/go/mass-awis> or www.mass-awis.org

FREE event for 2011-12 mentoring circle participants,

\$5 AWIS members, \$10 for non-members

(Join AWIS to save money on events and to support our work!)

See Event Flyer [HERE](#)

Sponsors: MIT, The Picower Institute for learning and memory

**Community Resource: Scholarly Bride Wedding's 5 Tips for Academic Brides
5 Tips for Academic Brides Flyer [HERE](#)**

Founder of Scholarly Bride Weddings and ex-student of MIT's Course 9, Elizabeth Rodriguez knows how busy and stressful life in academia can be. After leaving MIT she decided to take her passion in wedding planning and help out academic brides all around the Greater Boston Area. She created Scholarly Bride Weddings to assist women in academia plan one of the most wonderful days of their lives!

If you're interested in hearing more, you might want to check out the flyer [HERE](#) titled "5 Tips for Academic Brides".

If you'd like to Contact Us please email gwise@bu.edu. If you're a BU Alum who would like to continue to hear about GWISE events and maybe share some sage advice, add your information [here](#) so we can keep you updated!

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