

Undergraduate Programs: WiSE Learning Community



WiSE Learning Community members with Terra Peckskamp at WiSE Tea Reception fall 2011.

By living and learning together in the WiSE Learning Community, freshman and sophomore women in science and engineering build a sense of community that supports their academic and professional career for

years to come. Students living in the WiSE-LC participate in formal and informal learning opportunities, such as study groups and invitations to special guest lectures. Social activities connect residents with each

other and with student organizations.

This year we have 12 members from biology, engineering and the i-school. During the fall, WiSE will be coordinating with Residential Life activities such as a progressive dinner with faculty, bowling with STEM seniors and other programs that will set the stage for participation in research as undergraduates.

Continued on Page 3.

Special points of interest:

- ◆ OVER 220 FRESHMAN WOMEN HAVE LIVED IN THE WiSE LC SINCE FALL 2000.
- ◆ SINCE ITS FIRST AWARD IN 2004, THE NORMA SPLECKY ENDOWMENT HAS GIVEN \$8,450 IN PRIZE AWARDS TO 18 INDIVIDUALS NOMINATED BY 16 DIFFERENT FACULTY.

Norma Slepecky Undergraduate Research Prize

In April 2012, the Norma Slepecky Undergraduate Research Prize was awarded to two seniors who demonstrated significant achievement in research. After an interdisciplinary committee of faculty reviewed all submissions, first prize was awarded to Vivian Yaci Yu (Top photo, with Professor Robert Doyle who nominated her) from the Department of Chemistry for her work titled *Expression and Purification of Recombinant Saposin B for Coenzyme Q10 (CoQ10) Purification*. Second place was awarded to Samantha Balakirsky (Bottom photo with Professor Kate Lewis, who nominated her) from the Biology Department. Her work is titled *Investigating the Roles of Lhx1a/Lhx1b/Lhx5 in Zebrafish Spinal Cord Interneuron Specification and Function*. The prize was awarded at the Slepecky lecture given by Dr. Mimi Koehl, a highly regarded Professor of Biology at the University of California, Berkeley.



Inside this issue:

WiSE-FUTURE PROFESSIONALS PROGRAM	2
WiSE-FPP FALL CALENDAR	2
FACULTY PROGRAMS	3
ENVISIONING 2015	3
LEARNING COMMUNITY CONTINUED	3
NEW WOMEN STEM FACULTY	4

Graduate Programs

WiSE Future Professionals Program

WiSE Future Professionals Program (WiSE-FPP) is pleased to welcome the 2012-2013 cohort! This year we have twenty-six new and returning associates (11) in the program—one of our largest groups. These Associates were nominated by 22 faculty members, some of whom nominated more than one. The Associates are PhD students from multiple disciplines across STEM. There are 9 from the College of Engineering and Computer Science, 13 from Arts and Sciences and 2 from STEM related departments in other colleges. The group is equally diverse in nationality; this year's WiSE Associates hail from Argentina, China, India, Iran, Kenya, Korea and the

USA. We are pleased to have such a diverse cohort and look forward to working with them over the next year. The calendar of activities for Fall can be found below.

Last year, 5 FPP Associates were awarded certificates after a review of their completed, comprehensive portfolios by two faculty members. Of the 12 first year students, 9 submitted for review drafts of the first 5 sections of their portfolio.



Left: FPP Associates, Shirley Yang, and Huan Gu, with a friend at the Fiske presentation September 27th.



2012-2013 WiSE-Future Professionals Program (FPP) Associates

Left to right. *Back row:* Bing Yang, Carli Flynn, Mallory Squier, Patricia (Tricia) Wardwell; Amanda Hoffman, Kelly Henry, Mingxuan Tan, Jueun Kim, Grace Orado. *Middle:* Susan Flynn, Amanda Lashua, Aimee Kellicutt, Yutian (Shirley) Yang, Mary Bearkland. *Front:* Hao He, Sarah Ledford, Bridget Hier, Elizabeth Droge-Young, Judith Ricks, Huan Gu. *Not pictured:* Yan Nie, Mariana Bonich, Pinqing Kan, Zeynep Ozal, Sara

WiSE FPP Fall 2012 Calendar

September 27 (Thursday) 5:30 pm Watson Auditorium	Careers for Scientists and Engineers Featuring Peter Fiske, Ph.D., author. Co-sponsored with Career Services
October 5 (Friday) 12 - 1:30 pm 369 Link Hall	Lunch with WiSE-FPP Associates & Faculty Networking and Mentoring
October 12 (Friday) 2:30 - 4:00 pm 369 Link Hall	Strengthening Your References Open to all STEM doctoral students
October 26 (Friday) 3 - 5:00 pm 220 Eggers Hall	Conference Networking for Doctoral Students: Theory AND Practice Provided by Career Services
November 2 (Friday) 12 - 1:30 pm 202 Hall of Languages	Career Mapping for STEM women Presentation by WiSE for the Graduate School
November 2 (Friday) 2—3:30 pm 274 Link Hall	Grant Database Search Workshop with Dr. Trish Lowney
November 9 (Friday) 3 - 5:00 pm 369 Link Hall	CV/Resume Development with Rosanne Ecker Open to all STEM doctoral students
December 7 (Friday) 12-1:30pm 106 LSC	Career/Life Balance Lunch WiSE-FPP Associates lunch with Faculty women, followed by panel on best practices for balance

We greatly appreciate the help of those faculty and professional staff who nominate, mentor, and provided valuable feedback to Associates.

Special points of interest:

- ◆ FPP SINCE ITS INCEPTION HAS SERVED 79 DIFFERENT GRADUATE STUDENTS FOR ONE OR TWO YEARS.
- ◆ BY NOMINATING GRADUATE STUDENTS TO WiSE FPP, 62 DIFFERENT FACULTY HAVE DEMONSTRATED THEIR SUPPORT OF WOMEN STEM GRADUATE STUDENTS.

Faculty

Past and Upcoming Programs

During the spring semester, WiSE, with SU ADVANCE support, offered two well-received “lunch and learn” workshops on social media and determining the impact of your publications.

This format seemed to work well for faculty such that we will continue this model for this year. On October 12th, the Lunch and Learn

featured Catherine Gerard, Director of the Program for the Advancement of Research on Conflict and Collaboration (PARCC), a program of the Maxwell School. The topic was managing conflict and communication. The spring Lunch and Learn is still in development; we are looking at possible topics of managing your lab and/or

communicating your science. We will keep you posted.

In September, we hosted a distinguished scientist, Dr. Susan Brantley, who spoke about hydrofracturing.

On December 18th, we will hold our annual Faculty Mentoring Luncheon. Mark your calendars for noon!



Dr. Susan Brantley



WiSE FPP Associate, Grace Orado role-plays with Earth Sciences Professor Linda Ivany during Managing Conflict Lunch and Learn.

Envisioning 2015

Since its inception in 1999, WiSE has been a faculty driven organization that has accomplished a lot, often with only a little. As a result, we work hard to ensure that WiSE doesn't burden those faculty who invest a great deal of time supporting their peers and students, as well as advocating for equity. Furthermore, we stay in touch with what faculty envision and can support.

With the implementation of the SU ADVANCE project, we need to think about how WiSE can play a role in advocating for and sustaining the ADVANCE initiatives that make a difference. Leadership development for WiSE is another critical element to future success. Who will take up the reins of leadership as time goes by?

Fortunately, we have a few years to fully understand

what is needed.

However, it is important to hear from women STEM faculty about what they believe are the most important constituencies and roles for WiSE. This fall and spring, WiSE will be holding small focus groups to discuss what the future may hold. In early summer, we will hold a retreat to start planning for the future.

SINCE CHANCELLOR CANTOR AND WISE SUCCESSFULLY COLLABORATED TO SECURE A NSF INSTITUTIONAL TRANSFORMATION GRANT (SU-ADVANCE) IN 2009, THE NUMBER OF STEM WOMEN FACULTY (TENURED AND TENURE-TRACK) HAS INCREASED BY A NET OF 12 WOMEN.

WiSE Learning Community continued...

In the last weekend of September, the WiSE Learning Community attended an opening event at Greek Peak (an adventure center in Cortland, New York). While at Greek Peak the freshman women were able to conquer the ropes course, speed through the zip-line course, and ride the gravity-powered rollercoaster. Team building was an

important part of the event where the women were able to work with one another and with other residents from the L.C. Smith Learning Community. The trip was a great opportunity for the women to bond together as friends and floor mates, all the while having fun.

This year Megan Brown is the Resident Advisor for the

WiSE Learning Community. She is a junior pursuing a degree in biomedical engineering. We greatly appreciate her leadership.

The WiSE Learning Community women pictured here from left to right are Raychel Lewis, Hope Wilcox, Natalie Kretzing, Megan Brown (RA), Hayley Shelton, Cindy Xu, and Rachel Garcia.



Supporting persistence and success for women in STEM

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Welcome to New Women Faculty in STEM

We have been very fortunate to have added new women faculty in the Colleges of Engineering and Computer Science, Arts and Sciences, and Information Studies over the last few years.

During the Spring 2012 semester, Assistant Professors Jannice Freidman and Susan Parks joined the

Biology Department Faculty. Mechanical Engineering also added an assistant professor, Melissa Green.

This fall, the Biology Department welcomed Donna Korol, Associate Professor and Sarah Hall, Assistant Professor. Tara Kahan (Chemistry), Laura VanderDrift (Psychology), Shikha Nangia (Biomedical

& Chemical Engineering), and Michelle Blum (Mechanical and Aerospace Engineering) also began their assistant professorship this fall. In the i-School Marcene Sonneborn and Deborah Nosky joined the faculty as professors of practice. Please join WiSE in welcoming these accomplished women to the STEM faculty at SU.



Michelle Blum



Jannice Friedman



Melissa Green



Sara Hall



Tara Kahan



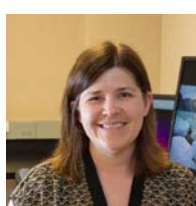
Donna Korol



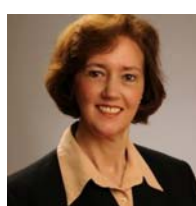
Shikha Nangia



Deborah Nosky



Susan Parks



Marcene
Sonneborn



Laura
VanderDrift

WiSE Leadership

For the academic year 2012-2013, Dr. Shobha Bhatia, co-founder of WiSE, continues in her Faculty Co-Director position along with Dr. Karin Ruhlandt. WiSE is deeply appreciative of the voluntary support that many women STEM faculty lend to WiSE. In addition to faculty volunteers, this years' faculty advisors and mentors include: Suzanne Baldwin (Faculty Mentoring), Linda Ivany (Undergraduate Research), Andria Costello-Staniac (Learning Community), Marina Artuso (FPP), Amy Criss (FPP), Laura Lautz (FPP), Kate Lewis (FPP), and Susan Older (FPP).