



(a nonprofit organization, founded in 1978)
<http://stemd.org>

Foundation for Science and Disability Newsletter

<http://www.facebook.com/group.php?wall&gid=360413492800>

http://www.linkedin.com/groups?gid=4116054&trk=hb_side_g

President's Corner

-Erica Penn

Happy New Year!

With the advent of a new year, it is time to reflect on the past year and achievements of the Foundation for Science & Disability (FSD). One of our main goals was to increase visibility of FSD to the mainstream media through multiple avenues, e.g., by attending workshops and contributing to articles about disability awareness in the sciences. One such workshop which I attended on behalf of FSD was the APA-NSF Women with Disabilities in Science & Engineering workshop, held at Gallaudet University in Washington, D.C. from October 16-17, 2012. This joint collaboration between the American Psychological Association (APA) and the National Science Foundation (NSF) highlighted some important challenges that women with disabilities face in science and engineering fields during their career paths and how we can use basic research in

order to answer how these challenges impact their outcomes.

According to the APA, "Women with disabilities' issues of resilience, social support and belonging, stereotype threat, implicit bias, creative problem solving, interactions with university personnel and methodology were among research questions the panel generated. These questions will provide a foundation for a research agenda that will be included in a final report to the National Science Foundation next spring." Further information regarding the workshop can be found online using this link:

<http://www.apa.org/pubs/newsletters/access/2012/11-13/stem-education.aspx>.

In addition, FSD was mentioned in a recent

blog article published on the American Association for the Advancement of Science's (AAAS) MemberCentral e-newsletter titled "Having a Disability can actually benefit a STEM career" on July 16, 2012. This article portrays a novel insight into disabled scientists and engineers and highlights the benefits of having individuals with unique perspectives on tackling scientific methods in the laboratory and classrooms. This enlightening article can be found using this link: <http://membercentral.aaas.org/blogs/driving-force/having-disability-can-actually-benefit-stem-career?page=0,1>.

Finally, it is important to keep in mind that progress is a constantly evolving and changing process. By increasing the visibility of FSD organization in as many

January 2013

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in as many outlets as possible, we hope to grow and become a greater presence in order to benefit disabled scientists and engineers directly and to support their own academic and professional growth in STEM fields. If you would like to support these goals, please join us at the annual FSD meeting on Friday, February 15th 2013 at the AAAS General Meeting in Boston, MA. Further information can be found here: <http://www.aaas.org/meetings/2013/>

Thank you for your continued support and have a wonderful, happy and healthy 2013!

The next annual meeting of FSD is 10:00 AM-12:00 PM, Friday, February 15, 2013 in the Disability Resource Room at the Hynes Convention Center, Boston, MA.

Erica

Notes from Student Awardees

Kim Yeoman

Through generous support from the Foundation for Science and Disability, I was able to successfully complete field research for my project on the oviposition behavior and ontogenesis of the invasive Asian tiger mosquito (*Aedes albopictus*) in response to the presence of predation and conspecific larvae. This species is important to study, not only because it is invasive, but also because it vectors dengue, chikungunya, and other viruses that affect humans.

I am completing my second year as a master's student in Biology at the University of North Carolina at Greensboro, under Dr. Gideon Wasserberg.

My research took place entirely in Peabody Park, the natural area of campus preserved for both research and recreation. I am currently following up the field portion of my work with a laboratory experiment to evaluate the effects of conspecific density and predation on larval development. My results should contribute to the understanding of mosquito reproduction, and ultimately, population control. I intend to continue my education towards a Ph.D. after completion of my M.S. later this year.

You can find more information about this research at <http://www.kimyeoman.com>



Oviposition cups used in *Aedes albopictus* mosquito behavior and ontogenesis research project

FSD Student Grant Awardees since 1990

1990	Wendy Pava, Birgit Wolz, Elaine Hall	2002	My Lien Nguyen
1991	Kevin Wilkins, Shan Ming Lee	2003	Mark Woods
1992	Meghal Antani, Lynn Hanninen, Mara Frohlinger	2004	Jessica Mahood
1993	David Fass, William Hylton	2005	Cheryl Fogle
1995	Chris Tromborg	2007	Melodi King
1996	Anne-Michelle Singleton	2008	Ryan McKindles
1997	Leslie Harper	2009	Emma Sacks
1998	Maura O'Modhrain	2010	Shaun Kane
1999	Joseph Barbera, Byunggyoo Kim	2011	Lisa Dunning
2000	Jennifer Last	2012	Kim Yeoman
2001	Cassandra Quave		

FOUNDATION FOR SCIENCE AND DISABILITY (FSD)

Annual Meeting

10:00 AM -12:00 PM, Friday, February 17, 2012

Disability Resource Room, VCC West Building

Vancouver Convention Center, 1055 Canada Place

Vancouver, BC

Attendees

Erica Penn, Angela Foreman, Laureen Summers, Zelda Wasserman, Imke Durre, Rick Weibl, Yoshiko Miwa, Richard Mankin

Call to Order/Introductions-Erica Penn

Incoming President, Erica Penn, presented her goals for the next term. These included 1) the continuation of ongoing programs such as the annually awarded student grants; 2) broadened interactions with other organizations and committees that have shared goals, such as the Committee on Opportunities in Science in the American Association for the Advancement of Science (AAAS) and a Professional Association of Scientists with Disabilities that may be organized from discussions at the last AAAS Problem Solvers Workshop; and 3) development of new services or projects that could benefit students and career professionals with disabilities who are working in STEM fields.

Other attendees introduced themselves, including Imke Durre, a scientist at the National Oceanic and Atmospheric Administration, Zelda Wasserman, a retired chemist who is a member of the American Chemical Society (ACS) Committee on Disabilities, Laureen Summers and Rick Weibl of AAAS, Angela Foreman of Sapphire Executives, LLC, Richard Mankin of the US Department of Agriculture, Agricultural Research Service, and Yoshiko Miwa, a freelance science writer in Japan. Yoshiko recently published an article in a Japanese science magazine (Kagaku) about the history of AAAS efforts to promote participation in STEM careers by persons with disabilities.

• **Minutes - February 18, 2011 (Washington, DC)**

The minutes from the Washington, DC meeting were discussed and approved. There had been progress in some areas that had been recommended at the 2011 meeting, as noted by Ric Weibl. AAAS had attended the meeting of the Association of Higher Education and Disabilities, where the Entry Point program had been discussed. AAAS also has been working on revisions to the *Science Careers* web pages that may benefit scientists with disabilities who are interested in obtaining or changing positions. In addition, Angela Foreman has set up a LinkedIn page, so FSD is now on both Facebook and LinkedIn.

Foundation For Science and Disability Treasurer Report- Angela Foreman

February 19, 2011-February 13, 2012

	2012	2011
Assets:		
Cash on Hand	\$8,856.03	\$10,563.57
Total Assets	\$8,956.03	\$10,563.57
Income:		
Dues	\$ 525.00	\$200.
Contributions	\$ 530.01.	\$ 92.46
Total Income	\$1,055.01	\$292.46
Expenses:		
Student awards	\$1,000.00	\$2,000.
Bank fees	\$ 1.34	
Total expenses	\$1,001.34	\$2,000.
Net Income:	\$ 53.67	(\$1,707.54)
Net Balance:	\$ 8,909.70	\$8,856.03

• **Student Science Grant Committee report-2012 - Richard Mankin**

The committee reviewed 12 completed applications. The numbers of applicants have been increasing over the last 3 years.

Kim Yeoman, a graduate student in the department of Biology at the University of North Carolina, Greensboro, was awarded a \$1000 grant for work on a project involving the oviposition behaviors of gravid females of two sand fly species, *Lutzomyia longipalpis* and *Phlebotomus papatasi*, both of which are important vectors of the parasites responsible for leishmaniasis in tropical and subtropical areas. It is expected that information about gravid female sand fly choices of oviposition sites can be applied to the detection and control of sand flies, which may ultimately diminish the spread of leishmaniasis.

It was moved, seconded, and approved that a \$1000 grant be awarded to Kim Yeoman.

New Business

There was discussion of potential projects or services that FSD could implement to assist early- and mid-career scientists in moving to higher-level positions. This is a topic that individual members of FSD will consider and discuss further over time and no specific action was taken in this meeting. Laureen Summers noted that FSD needed to have a coherent plan to present to other organizations with which we might interact to achieve these objectives, and it may be worthwhile to have some conference calls about specific projects that FSD could implement.

It was noted that AAAS will have some updated Career pages to which FSD should link, and that FSD should post its constitution on the Website. Also, Imke has volunteered to check the FSD pages for ease of accessibility and to identify some links that could be added to the FSD website that could assist others who wish to make their sites more accessible. Zelda Wasserman noted that Robert Gates at ACS might be able to assist in this effort also.

It was moved, seconded, and approved that Imke Durre will serve as a website consultant for FSD to ensure that it meets currently accepted standards of accessibility.

It was moved, seconded, and approved that Erica Penn, Laureen Summers, Angela Foreman, and Imke Durre serve on the student grant committee for 2013.

It was moved, seconded, and approved that Angela Foreman be nominated for a second term as Treasurer of FSD.

The meeting adjourned at 11:45 AM. Submitted by Richard Mankin, February 19, 2012

2012 Foundation for Science and Disability Treasurer Report

Angela Lee Foreman Treasurer

This includes the period from February 13, 2012 to November 26, 2012

Initial Assets

Cash on Hand	\$8,909.70
Total Assets	\$8,909.70

Income:

	Dues	Contribution	Date	Total
Edward C. Keller Jr. Trust		\$14,000.00	3/7/12	\$14,000.00
Total Other	\$50.00			\$14,050.00

Expenses

Student Award – Kimberlie Yeoman	3/26/12	\$1,000.00
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Total Expenses

\$1,000.00

Net Income:

\$13,050.00

Net Balance:

\$21,959.70

Follow-up on Activities discussed at 2012 Annual Meeting

Dr. Imke Durre reports that she found some accessibility issues when she visited the AAAS web site used for submitting proposals for symposia at the 2013 AAAS Annual Meeting. She reported them to AAAS staff. During 2013, Imke plans to research issues associated with making electronic mathematics texts more accessible to persons with disabilities, and possibly will organize a symposium about the current state of the art in this field.

Richard Mankin reports that information from a recent AAAS Science Careers article was linked to the FSD reference site (<http://www.ars.usda.gov/pandp/docs.htm?docid=11098>) along with a copy of the FSD constitution. The FSD home page is <http://stemd.org>.

Foundation for Science and Disability 2013 Ballot

Treasurer (beginning 2013):

_____ Angela Foreman

_____ Write in: _____



Dr. Angela Lee Foreman is a Management Consultant for Sapphire Executives, LLC, focusing on antibodies and other biopharmaceuticals. She received her Ph.D. in Immunology from University of California at Davis. Dr. Foreman's interests include science policy, and she blogs her opinions regularly at <http://www.angelaleeforeman.wordpress.com/>. In December 2008, Dr. Foreman was appointed as a member of the Committee On Opportunities in Science (COOS) of the American Association for the Advancement of Science (AAAS).

Please mail or email your selection by February 8, 2013, to
Erica Penn ericalyne@aol.com
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Foundation for Science
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The Foundation for Science and Disability (<http://stemd.org>) was founded in 1978 to promote the integration of persons with disabilities into the mainstream of the scientific community. A major focus of FSD has been the removal of barriers that restrict opportunities to develop careers and conduct scientific research. The Foundation also provides grants to students with disabilities who are conducting research in the fields of Science, Technology, Engineering, or Mathematics.

President: Erica Penn (ericalyne@aol.com)

Treasurer: Angela Lee Foreman (angelaleeforeman@yahoo.com)

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http://www.linkedin.com/groups?qid=4116054&trk=hb_side_q

Foundation for Science and Disability 2013 Dues Notice Membership Application / Renewal Form

Dues Schedule:

Student \$5.00

Regular \$25.00

Contribution _____

Total _____

Please make checks out to:

Foundation for Science and Disability

and mail to:

Angela Lee Foreman

Foundation for Science and Disability

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San Leandro, CA 94578

Please list a change of address, if any, and / or list any comments for the Board of Directors below. Also, please forward us your email address if you would like to receive pdfs of future Newsletters.
