



PORTLAND CHAPTER

Have you wondered what ARCS Portland scholar alums are doing and where they are working? Past ARCS President Leslie Workman contacted all 63 scholar alums and asked that question. The replies keep coming.

Learn about ARCS scholars' impact on society at our website:

[www.arcsfoundation.org/
portland/current-scholars](http://www.arcsfoundation.org/portland/current-scholars)

The website is updated frequently with new information about alums, current scholars, program speakers and all our upcoming events. Check it out!

Meet our 52 current scholars at the Scholar Awards Luncheon in October—read more about this annual event on page 3.



Tara White Adams sent an update: "For the past three years, I have researched ways to minimize blood loss from vascular injuries. My team at University of Colorado Denver and I study the von Willebrand factor—a large protein that plays a critical role in recruiting platelets to the site of injury. We presented our results at the American Society of Hematology Annual Meeting in December 2011 and 2012, winning awards both years, and at the Hemostasis Gordon Research Conference in July 2012. A huge thank you for all that you have done for me, and for countless other scholars throughout Oregon who have been positively impacted by the generosity of ARCS Portland!"

Tara received her Ph.D. in Biomedical Engineering from OHSU.

ARCS Scholars Shine Post-Doc



Anita Cservenka sent this email update: "I began a postdoctoral research position in the Developmental Brain Imaging Lab, where I completed my dissertation. I'll continue working with my mentor, Dr. Bonnie Nagel, working on various projects related to adolescent brain development and risk for psychopathology, such as alcohol use disorders. I was a finalist recently for the Enoch Gordis Award at the annual meeting of the Research Society on Alcoholism, and also received the American Psychological Association's Dissertation Research Award.

Anita received her Ph.D. from the Department of Behavioral Neuroscience at OHSU.



Eric Stoffregen writes: "I'm finishing the second year of my SPIRE Postdoctoral Fellowship at the University of North Carolina at Chapel Hill. As a part of my fellowship, I am continuing my research on the role of the Blm DNA helicase in the early *Drosophila* (fruit fly) embryo. We hope to better understand the functions of this important anti-cancer protein by studying it in an ideal model organism like *Drosophila*. In addition, I will be teaching my second semester of courses to undergraduates at North Carolina Central University."

Eric received his Ph.D. in Molecular and Cellular Biosciences at OHSU.

FROM THE PRESIDENT



Advancing science in America by supporting graduate scholars at OHSU and Oregon State University resonates with more than 120 women philanthropists in Portland and Corvallis. Increasingly, corporate and foundation leaders are convinced of the importance of our mission. They too recognize that investments in American scientists studying with Oregon's premier doctoral programs in science, medical research, and engineering build vital pipelines of intellectual capital for our businesses.

But why has ARCS Foundation Portland Chapter been so wildly successful?

Our mission is focused and our impact is measurable. In less than 10 years, we have raised over \$2.1 million in private donations to support 130 scholar researchers. Our endowed funding exceeds \$700,000. We know what our scholars are studying, we know why, and we know when they find what they're seeking. We track their academic performance, their degree completions, and their post-doc positions. We know ARCS awards make a difference.

ARCS unrestricted awards are unique. We believe that graduate students are smart enough to know how they need to use funding, whether for books, travel to conferences, or fixing the car. Making a promising scholar's life a little easier is a gift to us all.

We know our scholars by name. Their intensity and drive inspire us with knowledge and optimism. The relevance of their work motivates everything we do for ARCS.

ARCS' OHSU scholar Tyler Hulett is part of a group of cancer immunology researchers at the Providence Cancer Center. In his thesis work, he is developing ways to teach the body's own immune system to fight tumors. Tyler's work involves isolating and identifying these broken proteins that the immune system sees, testing vaccines made from them, and finding out how they compare to the rest of a cancer cell's proteins. By better understanding how the immune system sees cancer, Tyler's team hopes to design improved cancer vaccines.

Logan Berner is a new ARCS scholar who will study ecology with Dr. Beverly Law at Oregon State University's College of Forestry. Logan's research will focus on the assessment of physiological stress and vulnerability to mortality in forests across Western North America and the evaluation of mitigation and adaptation. His study will use data from NASA Earth Observing Satellites, forest surveys, climate models, land surface models, and flux towers to map where and under what climatic conditions forests exhibit abrupt declines in growth in response to drought.

From cancer vaccines to the health of our forests, ARCS scholars investigate today's critical concerns, and we proudly to support them. As we begin our 10th Anniversary of founding, the Portland Chapter celebrates ARCS Foundation's heritage, our unparalleled local accomplishments, and our scholars' brilliant futures.

Thank you for being part of our celebrations.

A handwritten signature in dark ink, appearing to read 'Jean'.

Jean A. Josephson

SAVE THE DATE FOR THE SCHOLAR AWARDS LUNCHEON

Plan to attend the 2013 Scholar Awards Luncheon on Tuesday, October 22—it's so much more than lunch. The annual "Recognizing Genius" event is a homecoming for ARCS Portland Chapter's members, friends, scholars, university partners and supporters, and it offers the perfect introduction for anyone new to "Achievement Rewards for College Scientists."

Fifty-two scholars will be recognized and interspersed at luncheon tables, eager to talk about their research and aspirations for scientific discovery. New this year will be a "poster session" with the third year scholars in white lab coats, ready to tell you about their work during a pre-lunch reception.

The keynote speaker will be Mark Abbott, dean of the College of Earth, Ocean and Atmospheric Sciences, Oregon State University. He'll tell us how our ocean is under increasing pressure—from overfishing to ocean acidification to a growing coastal population. We will have a far different ocean than we have experienced in recent human history, and we will need new approaches to science and policy for ocean stewardship according to Abbott, also the president of [The Oceanography Society](#).

The scholar speaker will be Julia Maxson, an ARCS alumna who is doing post-doctoral research in the Druker Lab at OHSU's Knight Cancer Institute. She will be speaking about using genetics to find better cancer treatments. Julia was drawn to cancer research as a

graduate student in the OHSU Cell and Developmental Biology program, and received her Ph.D. in 2011. She will be introduced by her Scholar Award donor, ARCS member Diane Alexander.

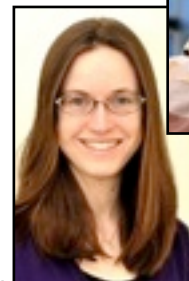
At the luncheon, ARCS Portland will introduce the first year scholars for the 2013-14 academic year, a record class of 21 graduate students.

Thirteen of them will study at Oregon State University in the Colleges of Engineering; Forestry; and Earth, Ocean and Atmospheric Sciences. Nine of the new scholars will be at OHSU – eight at the School of Medicine and one at the School of Nursing.

Underwriting for the Scholar Awards Luncheon funds additional scholar awards. The Einstein Presenting Sponsors are Hoffman Construction along with Wayne and Julie Drinkward; OHSU; and Oregon State University and the OSU Foundation. The Marie Curie sponsor is Wells Fargo The Private Bank.

Please join us and bring friends and colleagues. The luncheon will be held at the Portland Art Museum. For more information contact the Portland Chapter at portland@arcsfoundation.org.

Aletha Anderson



OCTOBER 22, 2013 PORTLAND ART MUSEUM

FOUNDERS CIRCLE FOR PLANNED GIVING: SHARON AND HENRY HEWITT



Henry and Sharon Hewitt

Sharon and Henry Hewitt have been enthusiastic supporters of ARCS Portland since the chapter was established almost ten years ago. Sharon was a founding member of ARCS, the first president, and for numerous years, our finance chair. Her talents shaped many aspects of the chapter's formative development. Sharon also served on the national board of ARCS Foundation. Henry is an attorney with Stoel Rives and has served in many civic roles throughout his career.

Now Sharon and Henry have extended their philanthropy by including ARCS in their wills. With this decision they are continuing, in perpetuity, their commitment to the Foundation and its mission to support graduate students in the sciences. They invite you to join them and include ARCS in your estate planning.

If you choose to support ARCS Portland with a planned gift, please notify President Jean Josephson (503-222-6991). Many talented, American research scholars at OHSU and OSU will benefit from your generosity for years to come.

Elisabeth Lyon

Funding the wave of the future

Erin Collins, who earned a bachelor's degree in mechanical engineering from the University of North Florida and is now pursuing a Ph.D. at Oregon State University, recently received an \$18,000 scholar award from ARCS Foundation Portland sponsors Julie and Bill Reiersgaard.

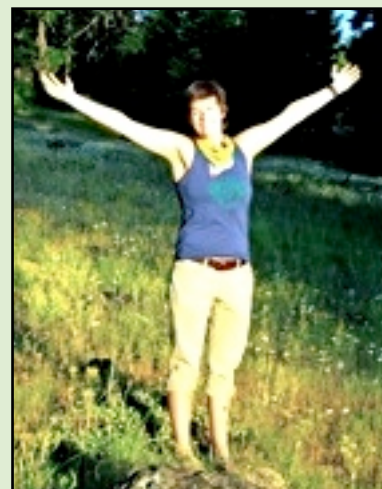
Given the high cost of attaining a Ph.D., Collins is thrilled to receive the additional unrestricted award, which will be paid out over a three-year period. "Money is a huge part of getting into grad school," she said. "ARCS Portland wants you to get your Ph.D. with less financial stress—the award makes it easier for us to excel." Collins also works as a teaching assistant at Oregon State.

Collins' research aims to create a sustainable, practical anchoring and mooring system for wave energy devices. The type of device Collins is currently working on is called an oscillating water column. As a wave passes through the device, the

change in air pressure turns a turbine and generates electricity. Large arrays of these devices constitute a power hub.

Some of the anchor devices in use today are as big as a two-story building, and the challenge is to make sure each device stays in place while remaining as noninvasive to the natural environment as possible. "These mooring systems can end up costing as much as the wave energy converters, so my project is designing a mooring system for a floating oscillating water column, which is a type of energy converter," said Collins.

Collins believes that funding graduate study is a vital community service and she is extremely grateful to ARCS Portland for its valuable support. "If people worked to fund more research, more students would want to get into it," she said. "People don't think they can go to grad school because they don't think it's funded and they think they won't be able to support themselves. ARCS Foundation is amazing!"



Beyond providing financial support, ARCS Foundation Portland members take a personal interest in ARCS scholars and scholar alums. They meet with the students to learn more about their work, their challenges, and their successes. Many previous recipients of ARCS Foundation support have gone on to work for government agencies and corporations that advance science and technology in the United States.

*Courtesy of Chelsi Rayford,
Oregon State University*

Wine, cheese and craft beer... all before 10:30 in the morning

How long has it been since you went on a field trip? For ARCS Portland members and their guests the answer is April 10, 2013, the date of this year's annual visit to Oregon State University.

OSU



The day began with lab tours, tastings and presentations from OSU experts. We learned about the latest scientific developments in brewing, creating artisanal cheeses and wines and tasted OSU produced Pinot Noir. The afternoon concluded with lunch on campus and ARCS scholars reviewing their research.



For more information about OSU's barley genome project, check out: www.barleyworld.org

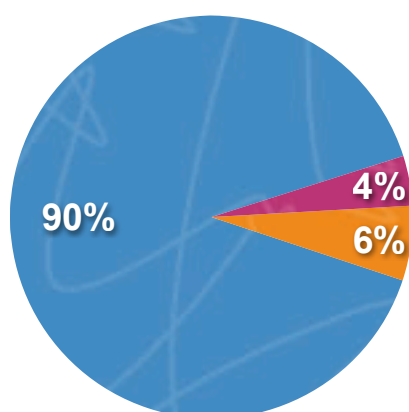
ARCS PORTLAND ANNUAL REPORT

Twelve months ending June 30, 2013

Administrative*	\$15,354
Fundraising	\$27,083
Program	\$383,558

Total expenses: \$425,995

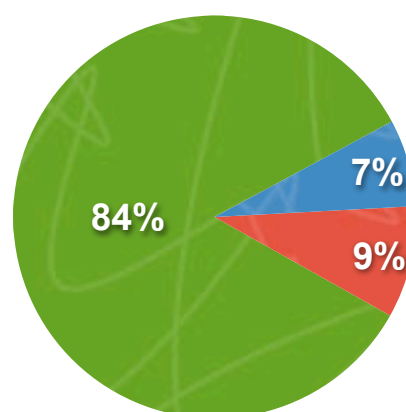
EXPENSES



Administrative	\$39,145
Fundraising	\$44,283
Program	\$443,657

Total revenue: \$527,085

REVENUE



*Administrative expenses include accounting and tax preparation, national board expenses, depreciation, insurance, printing, supplies and newsletter publication expenses.

CURRENT SCHOLAR AWARD DONORS

The Portland Chapter is pleased to acknowledge the following generous donors who are individually supporting scholars in the fall of 2013. In addition, each member of the Portland chapter contributes yearly toward the chapter scholar awards.

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Leslie and Mark Workman (2)

*Deceased

THANKS TO OUR HONOR ROLL

LIFETIME DONATIONS

While we are grateful to each and every one of our donors, there are some individuals, businesses and foundations that make the honor roll for their extraordinary generosity in sponsoring multiple scholars since our founding.

\$200,000 and Above

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Barbara and Philip Silver

\$100,000 - \$199,999

Leslie and Mark Workman

\$50,000 - \$99,999

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ENDOWED SCHOLAR AWARDS

The Portland Chapter is pleased to acknowledge the following generous donors who have funded a scholar award in perpetuity.

Caron and Larry Ogg
Barbara and Philip Silver

2012 SCHOLAR AWARDS LUNCHEON UNDERWRITERS

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ANNUAL DONATIONS

*Donations received between
July 1, 2012 and June 30, 2013*

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Susan Schnitzer

In Honor of Sharon Hewitt's Birthday
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In Memory of Veronica "Ronnie" Macdonald
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Sharon Hewitt
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Sharon Hewitt
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Caron Ogg
Ellen Richardson
Leslie Workman

In Memory of Allan Price
Rachel and Drew Hunsinger
Judy and Peter Kohler

**Deceased*

ACHIEVEMENT REWARDS FOR COLLEGE SCIENTISTS FOUNDATION, INC.

MARK YOUR CALENDAR NOW FOR OUR 2013–2014 EVENTS

- Sept. 10** – Program “New Targets for Anti-Cancer Therapy”
Lisa Coussens, Director of Basic Research at
Knight Cancer Institute OHSU
- Sept. 29** – Scholar Picnic 4–6 p.m. Willamette Park
- Oct. 11** – ARCS National Board meets in Portland
10th Anniversary Kick-Off Dinner
- Oct. 22** – Scholar Awards Luncheon Portland Art Museum
Keynote speaker, Dr. Mark Abbott,
“Our Oceans Under Stress”
- Nov. 6** – Program “Postmenopausal Women’s Health Concerns”
OHSU endocrinologist, Jonathan Purnell
- Jan. 9** – OSU Portland Food Innovation Center tour
- Feb. 6** – Program “The Biology Underlying Emotions”
Oregon State University neuropsychologist, Sarina Saturn
- Mar. 5** – Program “The Collision Syndrome:
Traumatic Brain Injuries, Football and War”
Tarvez Tucker, Neurocritical Care Specialist OHSU
- April 10** – Annual visit to Oregon State University
- May 19** – Annual Meeting



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ARCS® Foundation advances science and technology in the United States by providing financial awards to academically outstanding U.S. citizens studying to complete degrees in science, engineering and medical research.



ARCS® Foundation–Portland
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SAVE THE DATE
October 22, 2013
SCHOLAR AWARDS LUNCHEON
Portland Art Museum
DR. MARK ABBOTT
“Our Oceans Under Pressure”