

Meeting the Challenge

We must generate the next group of innovators, scientists, and engineers in the United States to protect our standard of living, our quality of life, and our history of innovation. Globalization and the rapid growth in science and technology of other nations, predominately in China and India, may make it increasingly challenging for the United States to retain its competitive economic advantage.

In modern academic research, progress would simply be impossible without the help of graduate-level scholars who make vital contributions to their mentors' work while honing their own knowledge and research skills. Graduate students do the painstaking bench work that drives knowledge, and they bring the excitement and energy that trigger innovation and stimulate discovery. **Oregon's power to attract top students is increasingly crucial to keeping and recruiting world-class scientists to the Northwest.**

It's time to re-invest in science!

- 50% of all economic growth over the last 150 years is attributed to technological progress.*
- 90% of the world's scientists now live in Asia.*
- 50% of the American science and engineering workforce is over age 40 and will retire in 20 years.*

Who will replace them?

ARCS Foundation Portland seeks to:

- Provide unrestricted scholar funding, unlike federal grants for carefully delineated research
- Recruit and retain top students in science, engineering and medical research
- Continue to support Oregon Health & Science University, Oregon State University and the University of Oregon as engines of discovery
- Increase the number of workers with advanced science and math degrees
- Maximize technology development

* <http://www.uic.edu/index.html/Chancellor/risingabove.pdf>
<http://www.nsf.gov/statistics/seind10/>



"I am impressed with the great work the Portland ARCS Chapter is doing to advance graduate students in the sciences. ARCS provides funding and support to these researchers who are a critical element in keeping America competitive on a global basis."

DR. CRAIG BARRETT

Retired CEO/Chairman of Intel Corporation
Keynote speaker 2011 Portland Annual Scholar Awards Luncheon

ARCS® Foundation At A Glance

ARCS (Achievement Rewards for College Scientists) **Foundation** is a national volunteer women's organization dedicated to advancing 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 Quick Facts

- A national organization, incorporated in 1958
- \$91 million for scholar awards
- 9000+ individual scholars supported
- 17 ARCS chapters in 14 states; 1,520 members
- 54 universities approved in a rigorous evaluation process
- Departments ranked in the top 100 nationally
- Council for Advancement and Support of Education (CASE) singled out ARCS Foundation for its highest award - the James L. Fisher Award for Distinguished Service to Education

Portland Chapter Quick Facts

- Incorporated in 2004
- Committed more than \$2.5 million to support 150 scholar awards to PhD candidates
- Schools of Medicine and Nursing at Oregon Health & Science University (OHSU)
- College of Agricultural Sciences, College of Earth, Ocean and Atmospheric Sciences, College of Engineering, College of Forestry and College of Science at Oregon State University (OSU)
- College of Arts and Sciences Departments of Biology and Chemistry at the University of Oregon (UO)
- 120 + active members in Oregon and SW Washington

Why Scholar Awards?

- Financial incentive to assist in attracting brilliant scientists to the top Oregon programs
- To recruit and retain students in science, engineering and medical research
- Prestigious, unrestricted award of \$18,000 offered to outstanding PhD candidates

Scholar Selection

- Faculty members from the approved academic programs select the students
- ARCS members are not involved in the scholar selection process
- Students must be U.S. citizens, maintain a 3.5 GPA, be enrolled full time, and show exceptional promise

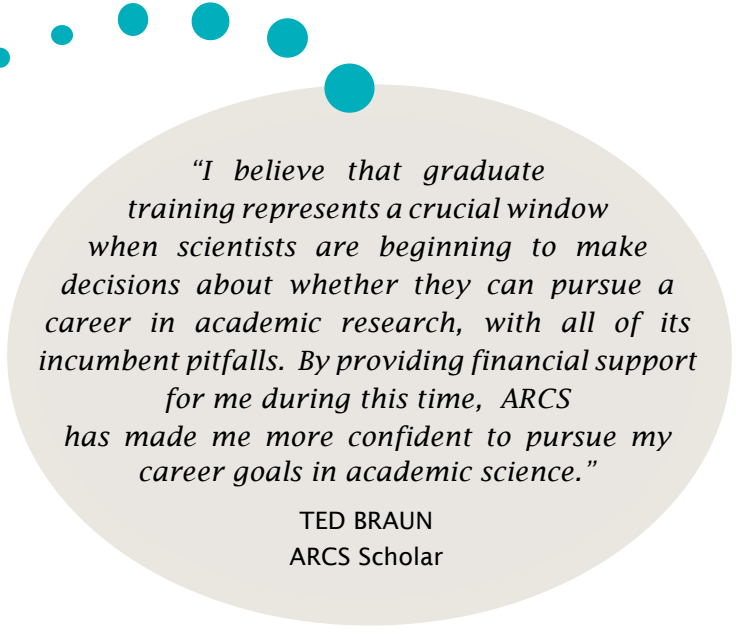
Website: www.arcsfoundation.org/portland/
portland@arcsfoundation.org
TAX ID 56-2459737

ARCS® Foundation Invests in Innovation

Our venture philanthropy approach provides financial support to American scientists of exceptional promise while engaging with them in a form of partnership. It's a unique model. Our donors understand that ARCS is a catalyst to building scientific and technological capacity which is the primary engine of economic growth.

Some defining characteristics of ARCS scholar awards:

- Can be the tipping point for scholars in choosing a doctoral program.
- Focus on individuals rather than projects.
- Funding for future research and innovation rather than for established or already proven work.
- Flexible, facilitative, discretionary and unrestricted.




"I believe that graduate training represents a crucial window when scientists are beginning to make decisions about whether they can pursue a career in academic research, with all of its incumbent pitfalls. By providing financial support for me during this time, ARCS has made me more confident to pursue my career goals in academic science."

TED BRAUN
ARCS Scholar

ARCS Scholars leverage their awards in ways that keep them on track with their research. For example, they can purchase equipment, attend and present at conferences, launch an innovative research project or cover personal living expenses.

Opportunities for Enhanced Impact. The track record of ARCS Foundation is impressive. For 57 years ARCS Foundation has been investing in American scientists and their research. Relationships with top notch universities and a pipeline of academic all-stars position ARCS Foundation in the forefront of scientific advancement now and in the future.



"Helping to attract the best and the brightest graduate students to our state will only serve to improve the quality of Oregon for future generations. This is why I am a proud ARCS sponsor."

CYNTHIA CAMPBELL
The Campbell Foundation

Portland Chapter's Measurable Impact Where Are They Now?

The vision and work of ARCS Foundation Portland are realized in our scholars and their research. The Portland Chapter began funding students at OHSU in 2005, Oregon State University in 2008, and UO in 2015. ARCS scholars are supported for a three-year period that begins during their first or second year of graduate school. After ARCS funding is completed, the students become ARCS Alums and they continue with their research for another two to three years before receiving their PhD.

- Portland Chapter has supported **150** scholars over ten years
94 are Scholar Alums who have completed their three-year funding
54 of the 94 alumni have completed their PhD
56 scholars continue to work toward their PhD
- Portland ARCS alumni have successfully achieved PhD degrees in: molecular and cellular biosciences, neuroscience, biomedical engineering, electrical engineering & computer science, nuclear engineering & radiation health physics, mechanical, industrial & manufacturing engineering, forestry, ocean and atmospheric science.
- Portland ARCS alumni are making their mark in the scientific world by advancing health care, science and technology to improve the human condition in fields of research that include asthma, cancer, cardiovascular treatment, neurodegenerative disorders, environmental issues, deforestation, clean water, energy conservation, coastal erosion and computer science.
- Portland alumni have published papers and made presentations about their work around the world.
- Portland alumni are recognized by prestigious organizations through additional awards and fellowships from the National Science Foundation (NSF), National Institute of Health (NIH), NASA and other agencies and foundations.
- Many Portland ARCS alumni have chosen to remain in academia to teach and mentor younger students.

“Presently my research group is leading an effort to develop methods to utilize next generation computational tools to perform safety analyses on highly complex nuclear reactor technology.”

DR. WADE MARCUM, ARCS Alum
Assistant Professor, Nuclear Engineering
Oregon State University



You Can Propel Young Scientists in Oregon

ARCS Foundation believes that investments in American scientists studying with Oregon's premier doctoral programs in science, medical research and engineering build a vital pipeline of intellectual capital for our businesses. Through our scholar awards, ARCS Foundation supports and nurtures these exceptional young women and men at OHSU, Oregon State University and University of Oregon.

100% of all monies donated for scholar awards goes directly to scholars. No money is withdrawn for overhead either by ARCS Foundation or the universities supported by ARCS.

How Do You Invest?

- **Establish a Named Endowment for a Scholar Award - \$200,000**
This establishes one named scholar award in perpetuity.
- **Fund a Named Scholar Award - \$18,000**
This provides one student with a three-year award.
- **Support the ARCS Foundation Scholar Award Fund**
Gifts of any size are appreciated and will help support our scholars.
- **Underwrite the Portland Chapter Annual Scholar Awards Luncheon**
Corporations and individual donors can underwrite the Annual Scholar Awards Luncheon.
- **Consider including ARCS Foundation in your estate planning decisions**

You can make a gift by mail or online:

ARCS Foundation Portland Chapter
P.O. Box 2063
Portland, OR 97208-2063

www.arcsfoundation.org/portland/donate-arcs-foundation-portland

For more information contact:

Portland President Aletha Anderson
portland@arcsfoundation.org
503-477-4877

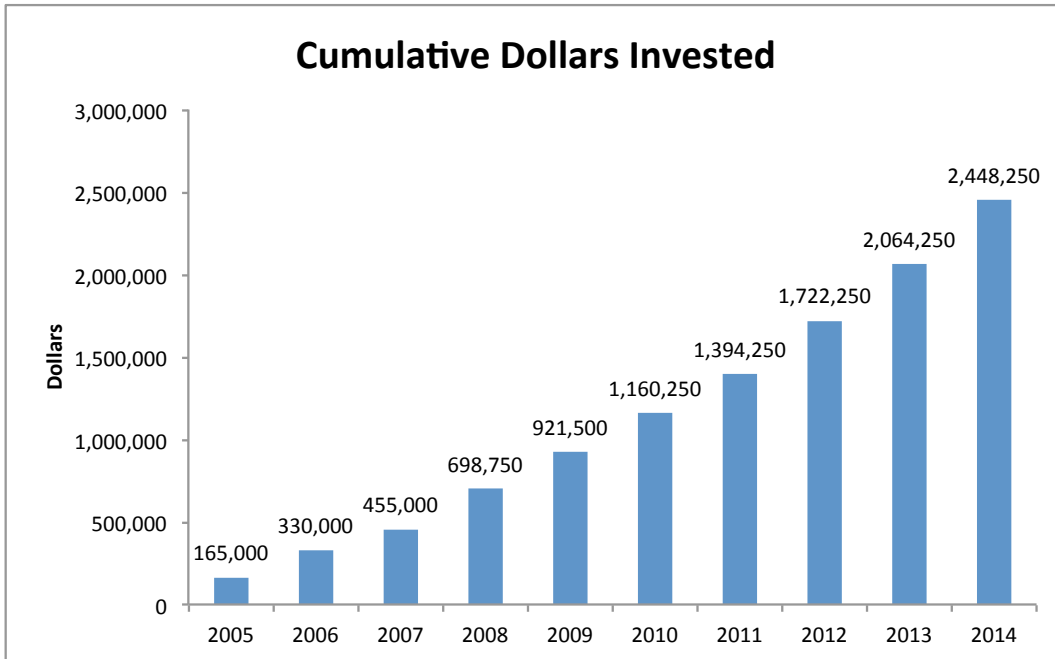
or view our website at:
www.arcsfoundation.org/portland/

"Our scholars inspired us to fund Portland Chapter's first endowed scholar award. Their commitment to life-changing work made us want to leave a lifetime legacy to help generations of brilliant young scientists build a brighter future."

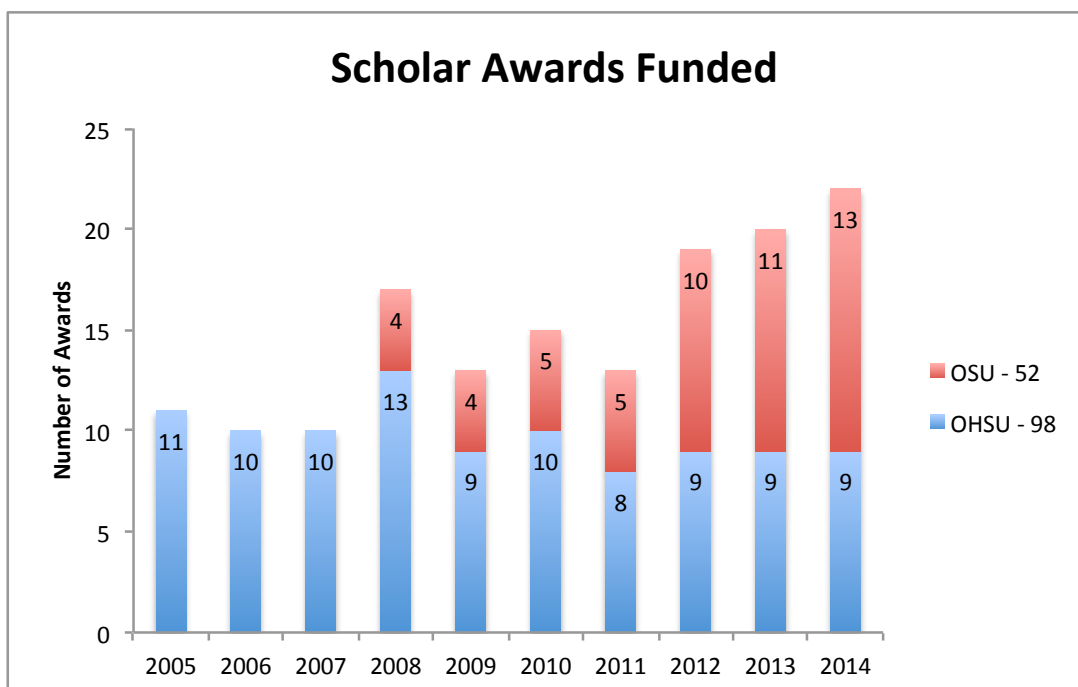
LARRY AND CARON OGG

Investing in the Future Advancing Science in Oregon

Portland Chapter ARCS Scholar Awards provide an essential tool for recruiting the best students in the nation to come to Oregon to study. Lead researchers depend on graduate students to bring fresh ideas and perspectives to their labs and to perform the day-to-day experiments necessary for discovery. OHSU and OSU compete with other outstanding universities to attract promising PhD candidates. ARCS awards make admission offers more desirable.



One hundred percent of every contribution for scholar awards is awarded to the scholars.



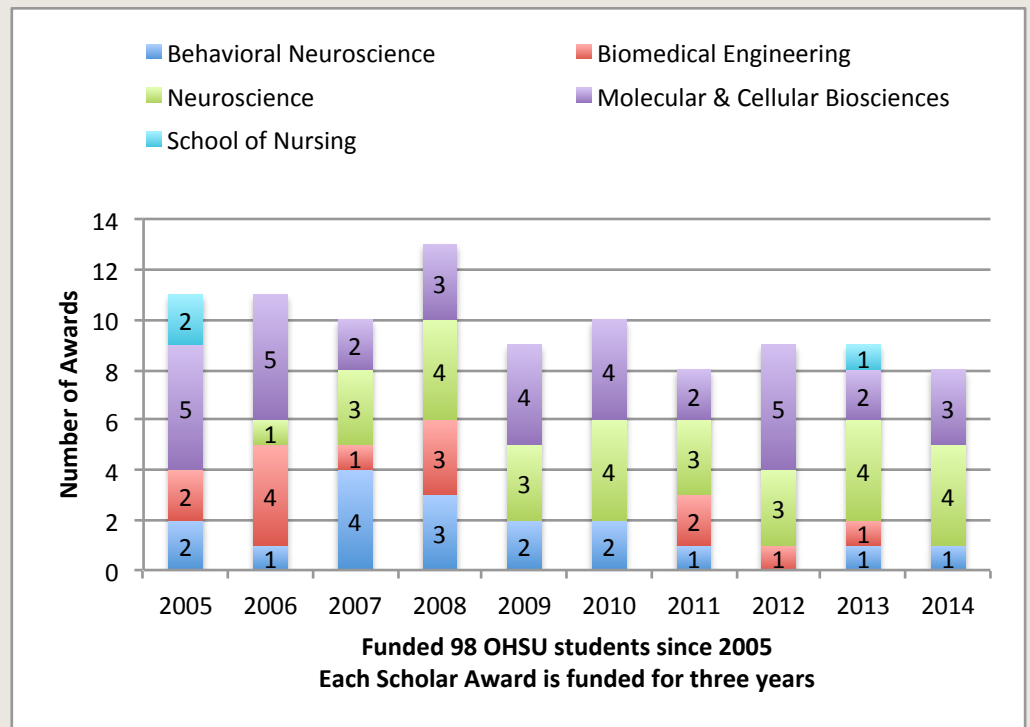


Academic Partner - Oregon Health & Science University

OHSU President JOE ROBERTSON

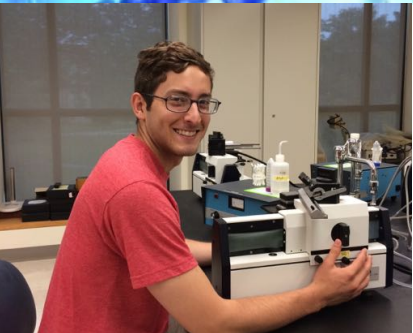
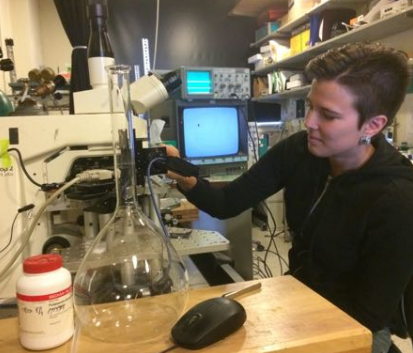
“OHSU is committed to recruiting outstanding young people in scientific research, but our efforts are dependent on visionary partners like ARCS who understand the important role of graduate students in the advancement of medical science. ARCS scholar awards help keep students on track in their chosen fields and thereby bolster innovation and the creation of new knowledge at OHSU.”

Portland ARCS Chapter supports PhD candidates in the School of Medicine and School of Nursing at OHSU



WHITNEY MCGEE - ARCS Scholar in Behavioral Neuroscience

“The ARCS program has shown me that there are some wonderful people out there who want to make a difference in the lives of young scientists. This has helped motivate my work.”

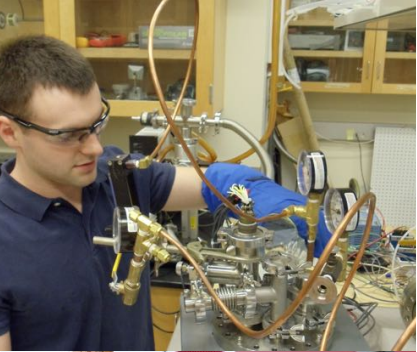




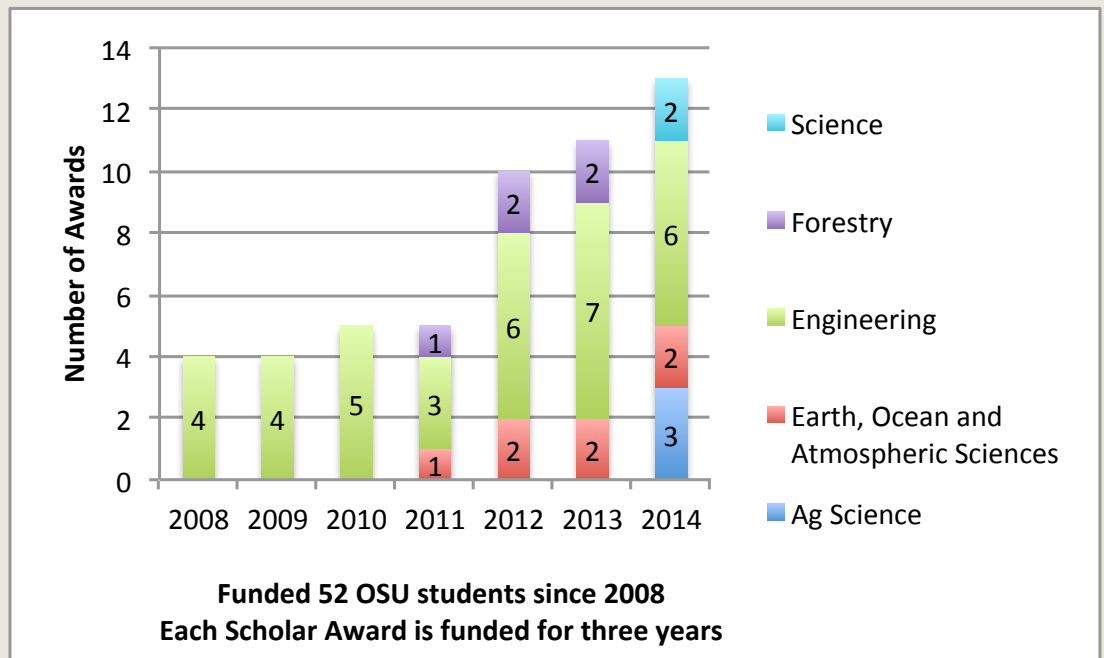
Academic Partner - Oregon State University

OSU President ED RAY

“Advanced scientific research is essential to maintaining the health of children and families, protecting the planet and building economic prosperity for Oregon, the nation and the world. The Portland Chapter's support of promising OSU doctoral students is an important investment in their education and a sign of confidence in these students' future research contributions. All of us at OSU are honored to be included among the ARCS universities.”



Portland ARCS Chapter Supports PhD Candidates in Five Colleges at Oregon State University



ANDREW EMMOTT - ARCS Scholar in Electrical Engineering & Computer Science

"It is crucial that private citizens take it upon themselves to invest in what they believe the world needs. I have lived enough of my life without financial help to fully appreciate this award. Inspired by your generosity, I will strive to make sure my research career has a positive impact."

Thank You Corporate and Foundation Donors

Investing in intellectual capital is the foundation for the skilled workforce that will keep America at the forefront of discovery and innovation. Our corporate and foundation donors help attract stellar students to Oregon, and they support ARCS Foundation scholar awards and/or underwrite the Scholar Awards Luncheon.

Cumulative list for Portland Chapter's first 10 years

Bank of the Cascades	Jubitz Corporation	Racker Investments
Bill & Melinda Gates Foundation	Kerr Pacific Corp.	RH Parker/United Foundation
CH2MHILL	KeyBank	Schnitzer Steel Industries, Inc.
Chubb Insurance	Kuse Family Foundation	Stimson Lumber Company
Cindy & Duncan Campbell of The Campbell Foundation	James & Lila Miller Charitable Trust	Stoel Rives LLP
Columbia Distributing	Morgan Stanley	Storables
Conference Solutions	Morley Foundation	Sunshine Dairy
David Evans & Associates	Mt. Hood Chemical Corporation	Symonds Foundation
ESCO Corporation	Network for Good	Tektronix Foundation
ESCO Foundation	OHSU Dept of Radiation Medicine	The Private Client Reserve of U.S. Bank
ESI, Inc.	OHSU	Tonkon Torp LLP
First Republic Bank	OHSU Community Relations	TriQuint Semiconductor
Geffen Mesher	OHSU Foundation	University of Oregon
Hanky Panky LTD	OHSU Office of the President	US Bancorp Foundation
Hallock Agency	OHSU School of Medicine	Vision Capital Management, Inc.
Harold & Arlene Schnitzer CARE Foundation	Oregon State University	Walsh Construction
HemCon Medical Technologies, Inc.	OSU College of Engineering	Washington Trust Bank
Hoffman Construction Company	OSU Foundation	Wells Fargo Foundation
Intel Corporation	Oregonian Media Group	Wells Fargo The Private Bank
Intermec Foundation	Pamplin Foundation	
Jensen Investment Management	Portland Business Alliance	
	PGE Foundation	
	PwC LLP	



"Our support of ARCS scholars illustrates the leveraging power of partnerships among private enterprise, public institutions and nonprofit organizations. In an era of increasingly constrained resources it will take these kinds of creative approaches to maximize the value of donors' dollars and organizations' budgets. ARCS provides an outstanding model."

RICH JOSEPHSON, Senior Vice President
General Counsel and Secretary
Schnitzer Steel Industries, Inc.



Revenue and Expenses

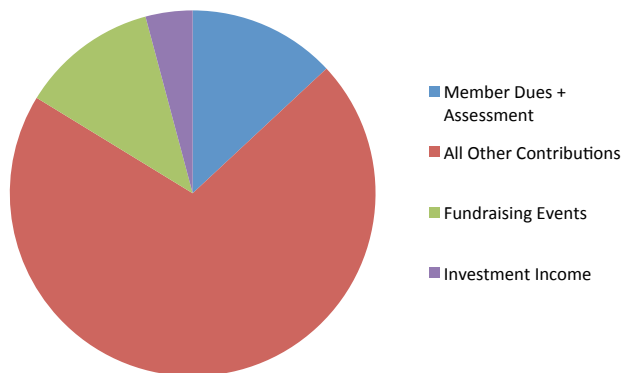
Fiscal Year End June 30, 2014

ARCS Foundation, Inc. is an all volunteer organization - 100+ women strong. 100% of all scholar award contributions goes to doctoral students at OHSU, Oregon State University and UO.

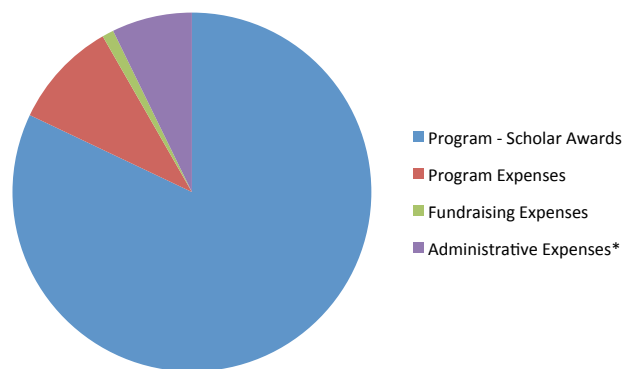
All expenses are funded by member dues and a portion of the proceeds from the Scholar Awards Luncheon.

<u>Revenue</u>	<u>Amount</u>	<u>% of Total Revenue</u>
Member Dues + Assessment	105,330	13%
All Other Contributions	569,806	71%
Fundraising Events	92,826	12%
Investment Income	33,499	4%
Total Revenue	801,461	100%

Revenue Sources



Expenses



<u>Expenses & Awards</u>	<u>Amount</u>	<u>% of Total Expenses & Awards</u>
Program - Scholar Awards	252,000	82%
Program Expenses	29,702	10%
Fundraising Expenses	3,200	1%
Administrative Expenses*	22,229	7%
Total Expenses	307,131	100%

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