



Achievement Rewards for College Scientists



Aeronautics & Astronautics • Applied Mathematics • Aquatic & Fishery Sciences • Astronomy • Atmospheric Sciences • Biology • Biostatistics • Chemical Engineering • Chemistry • Civil & Environmental Engineering • Computer Science & Engineering • Crop & Soil Sciences • Earth & Space Sciences • Electrical Engineering • Environmental Health • Epidemiology • Forest Resources • Global Animal Health • Industrial Engineering • Materials Science & Engineering • Mathematics • Mechanical Engineering • Medical Scientist Training Program • Medicinal Chemistry • Molecular & Cellular Biology • Molecular Biosciences • Molecular Plant Sciences • Neurobiology & Behavior Neuroscience • Nursing • Oceanography • Pathobiology • Pharmacy • Physics • Plant Pathology • Public Health Genetics • Quantitative Ecology & Resource Management Statistics • Veterinary & Comparative Anatomy, Pharmacology & Physiology • Veterinary Clinical Sciences • Veterinary Microbiology & Pathology

> Advancing Science in America
2012



“Science is a way of thinking,
much more than it is a body of
knowledge.”

— Carl Sagan

Contents

Thoughts from the Presidents	1
Seattle Chapter: Success by the Numbers	2
Become an ARCS Foundation Donor	3
University of Washington Fellows	5
Washington State University Fellows	11
In Their Own Words	13
Where Are They Now?	14
ARCS Light Award	15
Donors	17

The Seattle Chapter of ARCS®
Foundation, Inc. contributes to the
worldwide advancement of science and
technology by funding fellowships for
academically outstanding students in the
fields of science, engineering and medical
research at the University of Washington
and Washington State University.



2012-2013 ARCS Seattle Chapter Officers

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Thoughts from the Presidents



"In the UW's pursuit of solutions to this century's greatest challenges, the ARCS Seattle Chapter remains one of our most generous and highly-valued partners. We deeply appreciate their support and the wonderful fellowships that enable us to recruit the exceptional talent and future scientific leaders who give our nation a competitive edge."

MICHAEL K. YOUNG — President, University of Washington

"Thank you to our remarkable ARCS Foundation donors whose generosity assures that talented PhD candidates are recruited to nationally-acclaimed departments at the UW and WSU. Your investments advance scientific careers, contribute to our state's vibrant intellectual community, stimulate our economy with innovative research and increase our nation's scientific and technological capacity."

JACQUE DOANE — President, Seattle Chapter ARCS Foundation

"Thanks to the advocacy and generous support by the Seattle Chapter of ARCS Foundation, many promising and talented students have been empowered to pursue their graduate ambitions at Washington State University, and we have made progress toward broadening the overall global reach and impact of WSU's top doctoral programs."

ELSON S. FLOYD, PhD — President, Washington State University



Seattle Chapter: Success by the Numbers

The Seattle Chapter of ARCS Foundation, Inc. was founded in 1978 as part of ARCS Foundation National, a group of over 1,500 visionary women in 17 chapters around the United States who encourage the worldwide advancement of science and technology by funding scholar awards for undergraduate and graduate students in the areas of science, engineering and medical research.

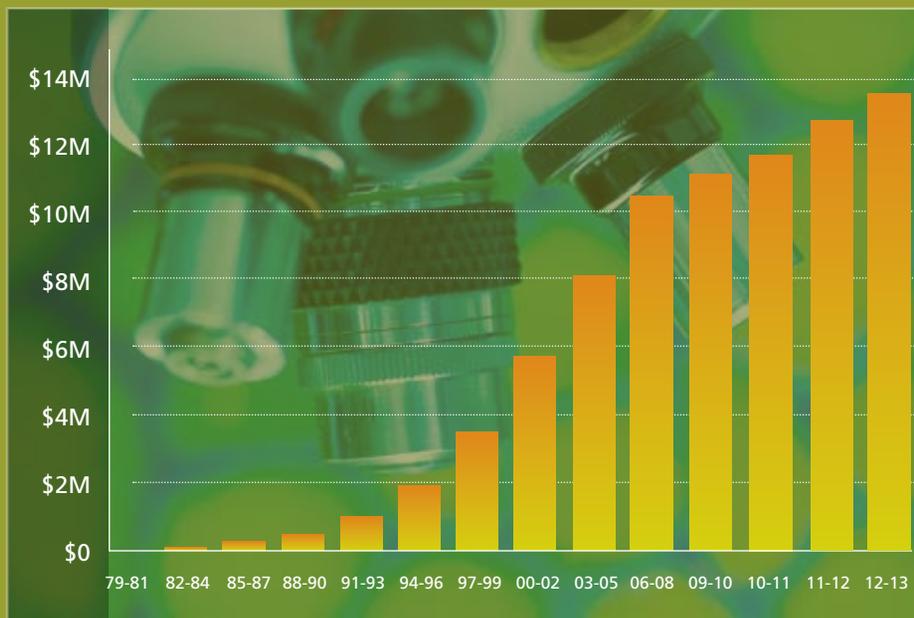
Motivated by a unique combination of social consciousness, intellectual curiosity and generosity, ARCS Foundation has awarded nearly \$82.8 million in awards to 14,188 scholars at 55 universities nationwide.

A dynamic, committed membership has made the Seattle Chapter one of the most successful in the nation, and both the UW and WSU view their relationship with ARCS Foundation as a strategic partnership.

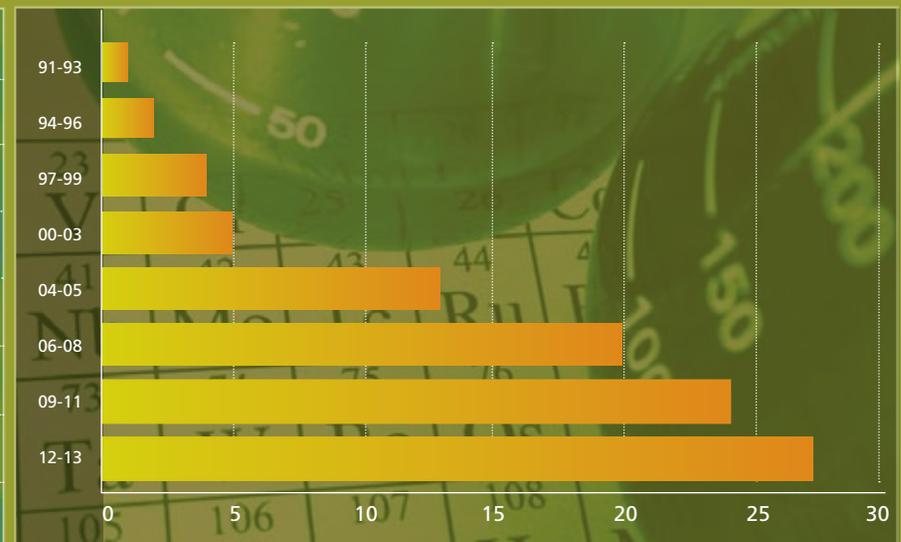
The Seattle Chapter has been part of the University of Washington community for 34 years and Washington State University for over 12 years; the chapter's annual funding of scholars has grown from \$1000 in the first year to over \$737,500 in 2012.

A matching fund strategy to create endowments to fund ARCS Fellowships was initiated in 1990. Since then, generous donors to the Seattle Chapter have utilized matching funds from the UW and WSU to create 27 endowments of more than \$100,000 each. Through these Endowed Fellowships, a donor can support ARCS scholar awards in perpetuity.

SEATTLE CHAPTER CUMULATIVE GIVING (FY 1979-2013)



SEATTLE CHAPTER ENDOWMENT HISTORY (FY 1991-2013)



Donate to ARCS Foundation Now! Help a Young Scientist Reach for the Stars

Please join the Seattle Chapter in supporting the scientific communities at our state's esteemed universities with a gift to ARCS Foundation. Your gift will support our nation's top science and engineering graduate students, and is an opportunity to impact America's scientific and economic future.

Gifts of any size are greatly appreciated and will help support our scholars. There are also special opportunities to fund Named Fellowships as detailed below.

FUND AN ARCS FOUNDATION FELLOWSHIP **\$17,500**
Funds one scholar's three-year Fellowship.

ENDOW AN ARCS FOUNDATION FELLOWSHIP **\$100,000**
Funds one Endowed Fellowship in perpetuity.

MATCHING OPPORTUNITIES

Through the generosity of the UW and WSU, any donor wishing to create an Endowed ARCS Foundation Fellowship will be entitled to matching funds. Please contact us to learn more about this worthwhile opportunity.

**TO LEARN MORE ABOUT HOW YOU CAN MAKE A GIFT,
PLEASE CONTACT THE SEATTLE CHAPTER AT:**

Seattle Chapter
ARCS Foundation, Inc.
Private Mailbox 429
4616 25th Avenue N.E.
Seattle, WA 98105

E-mail: information@seattlearcsfoundation.org
Website: www.seattlearcsfoundation.org

ARCS Foundation, Inc. is a non-profit organization incorporated in 1978. Tax ID 91-1042292.



FELLOWS

UNIVERSITY OF WASHINGTON

FIRST YEAR FELLOWS

NAME	DONOR	FIELD OF STUDY
Michael Barbour	PACCAR Inc	Mechanical Engineering
Kate Bayliss	Keith & Mary Kay McCaw Family ARCS Endowment	MD/PhD – Molecular & Cellular Biology
Mark Brunson	Washington Research Foundation	Materials Science & Engineering
Owen Coyle	Seattle Chapter ARCS Fellow	Oceanography
Sarah Dewey	Barton Family	Oceanography
Benjamin Drum	ARCS Light in Honor of Susan Potts	MD/PhD – Physiology & Biophysics
Aaron Garcia	Graduate School Diversity ARCS Fellow	Neurobiology & Behavior/GO-MAP
Kristen Garofali	Nancy & Doug Norberg ARCS Endowment	Astronomy
Julietta Gruszko	Linda & Tony Whatley	Physics
Siva Kasinathan	Micki & Robert Flowers ARCS Endowment	MD/PhD – Molecular & Cellular Biology/GO-MAP
Ken Laszlo	Seattle Chapter ARCS Fellow	Chemistry
Rosie Leung	Seattle Chapter ARCS Fellow	Applied Mathematics
Leander Love-Anderegg	Susan Adkins & Sandy Carlson	Biology
Rodrigo Luger	Alta & Stan Barer	Astronomy
Marita Mann	Carlyn & George Steiner ARCS Endowment	Pharmacy
Natalie Miller	Ruth & William P. Gerberding ARCS Endowment	MD/PhD – Pathology
Susana Orozco	Seattle Chapter ARCS Fellow	Molecular & Cell Biology/GO-MAP
Austin Phillips	Margery S. Friedlander ARCS Endowment	Quantitative Ecology & Resource Management
Warren Pinkard	Washington Research Foundation	Chemical Engineering
Audrey Ragsac	Catherine & David Skinner	Biology
Sarah Roberts	Zevenbergen Capital Investments LLC	Epidemiology
Jack Rose	Camille & Jim Uhlir ARCS Endowment	MD/PhD – Molecular & Cellular Biology
Gabriel Schubiner	Washington Research Foundation	Computer Sciences & Engineering
Benjamin Segal	Dorothy Lewis Simpson ARCS Endowment	Applied Mathematics
Megsie Siple	Lisa & Mike Losh	Aquatic & Fishery Sciences
Theo Sottero	Cori & John Kirkpatrick	MD/PhD – Pharmacology
Jonathan Swenson	Walker Family ARCS Endowment	Mathematics
Cheuk Tam	Althea Stroum ARCS Endowment	Molecular & Cellular Biology
Ali Weber	Barbo Family	Neurobiology & Behavior
Elitta Williams	Rosa Ayer ARCS Endowment	Nursing
David Young	Jana & Jeff Foushee	MD/PhD – Genome Sciences
Irene Zhang	Pengra Capital Management, Inc.	Computer Science & Engineering

SECOND YEAR FELLOWS

NAME	DONOR	FIELD OF STUDY
Tolulope Abe	Althea Stroum ARCS Endowment	Industrial Engineering
Caroline Bennette	Marnie & Jeremy Stamper	Pharmacy
Kevin Bielawski	North Coast Electric Company	Mechanical Engineering
Jackie Corbitt	Chisholm Foundation ARCS Endowment	Physics
Michael Duyzend	Marcia McGreevy Lewis & Robert D. Lewis, M.D.	MD/PhD - Genome Sciences
Anna Engstrom	Debbi & John Wilson with Jenny & Scott Wyatt	Environmental Health
Musetta Chang-Chi Fu	UW Nursing Recognition Fellowship-Dean Maria Salmon	Nursing
Alexandra Grier	The Barbo Family	MD/PhD - Immunology
Yasmeen Hussain	Washington Research Foundation	Biology
Jakob Kotas	Washington Research Foundation	Applied Mathematics
Daisy Krakowiak-Redd	Alida & Christopher Latham	Epidemiology
John Lee	Harriett & John Morton	Physics
Max Libbrecht	Washington Research Foundation ARCS Endowment	Computer Science & Engineering
Bradley Markle	Betty Bottler	Earth & Space Sciences
Alexander McAvoy	Carol Wright	Mathematics
Andrea McQuate	Carmen & Carver Gayton	Neurobiology & Behavior/GO-MAP
Maximo Menchaca	Gerald J. Baldasty Diversity	Atmospheric Sciences/GO-MAP
Edward Michor	Candice Rosenberg Peterson ARCS Endowment	Chemical Engineering
Caitlin Milligan	Lynn & Mikal Thomsen	MD/PhD - Immunology
Alipi Naydenov	Keith & Mary Kay McCaw Family ARCS Endowment	MD/PhD - Neurobiology & Behavior
Kiva Oken	Washington Research Foundation	Quantitative Ecology & Resource Management
Paneeen Petersen	Graduate School Diversity	Epidemiology/GO-MAP
Stephanie Rosse	Sroufe-Barnes Family	Public Health Genetics
Joseph Sanchez	Phyllis Wise ARCS Diversity	Molecular & Cellular Biology/GO-MAP
Michael Schwendeman	Virginia M. Dickenson Memorial ARCS Endowment	Civil Engineering
Liza Shoenfeld	Nora & Allan Davis	Neurobiology & Behavior
Anna Simpson	Pendleton & Elisabeth Carey Miller Charitable Foundation	Forest Resources
Lisa Taylor-Swanson	ARCS Light in honor of Janet McNae	Nursing
Michael Tremmel	Jean Chisholm Lindsey Memorial Fellowship	Astronomy
Caroline Weller	Betty Lou & Irwin Treiger	Chemistry
William Chad Young	Zevenbergen Capital Investments LLC	Statistics

“An ARCS Fellowship can be pivotal in securing an acceptance from those talented graduate students who lift the quality of everyone around them. We are extremely thankful for ARCS!”

— Paul Hopkins, Professor and Chair, Chemistry, University Of Washington



THIRD YEAR FELLOWS

NAME	DONOR	FIELD OF STUDY
Maria Agapova Eric Alcidi	The Barbo Family Washington Research Foundation Fellowship in honor of Calvert Knudsen and Julia Lee	Pharmacy MD/PhD - Molecular & Cellular Biology
Carolyn Auchter	Eve & Chap Alvord in honor of Elias Chapman Alvord III	Physics
Lara Backman Heather Barnett Bridget Bertoni Chloe Bracis Peter Caday Alison Fohner Claire Gonzalez Frances Hocutt Michael Karcher Akash Kumar John LaMacchia Sharon McRae	Jill & William Ruckelshaus Margaret Breen & Stewart Landefeld Washington Research Foundation Lee & Mike Brown The Walker Family ARCS Endowment Lynn Pigott Mowe in honor of Yvonne Pigott Zevenbergen Capital Investments LLC Washington Research Foundation Zevenbergen Capital Investments LLC Vicki & Gary Glant ARCS Endowment Eleanor & Charles Nolan Anne Simpson & Charlie Conner with Kathy & Brooks Simpson	Molecular & Cellular Biology MD/PhD - Neurobiology & Behavior Physics Quantitative Ecology & Resource Management Mathematics Public Health Genetics Molecular & Cellular Biology/GO-MAP Chemistry Statistics MD/PhD - Genome Sciences MD/PhD - Molecular & Cellular Biology Nursing/GO-MAP
Alison Mehrvari Hilary Palevsky Edith Pierre-Jerome Diana Pietri Lara Pracht Kyle Rector Jeff Rutter Erica Sanchez Stephanie Seeman	Mary Dunnam ARCS Seattle Chapter in honor of Anne Zubko Nancy Mee & Dennis Evans Marlene & John Durbin MAC Consortium ARCS Endowment Becky & Jack Benaroya ARCS Endowment Christensen O'Connor Johnson Kindness Nora Davis & Lorraine Monick Vicki Griffin, Marnie Briggs, Carol Briggs, Andrea Thoreson, Barbara Kirk	Neurobiology & Behavior Oceanography Biology Forest Resources Civil & Environmental Engineering Computer Science & Engineering Quantitative Ecology & Resource Management Molecular & Cellular Biology/GO-MAP Neurobiology & Behavior
Daniel Shapero Matthew Strathman Carolyn Valdez Nicole Van Abel Sunniva Zaratkiewicz	Candice Rosenberg Peterson ARCS Endowment Althea Stroum ARCS Endowment Joanne & Bruce Montgomery ARCS Endowment Jim & Nancy Woods Becky & Jack Benaroya ARCS Endowment	Applied Mathematics Electrical Engineering Chemistry Environmental Health Nursing

FOURTH YEAR FELLOW

NAME	DONOR	FIELD OF STUDY
Laurel Peelle	Camille & Jim Uhlir ARCS Endowment	Forest Resources

UNIVERSITY OF WASHINGTON FELLOWSHIP SUPPORT AREAS

The Seattle Chapter of ARCS Foundation, Inc. currently supports UW students in the following departments and schools:

COLLEGE OF ARTS & SCIENCES

Applied Mathematics
Astronomy
Biology
Chemistry
Mathematics
Physics
Statistics

GRADUATE SCHOOL (INTERDISCIPLINARY)

Molecular & Cellular Biology
Neurobiology & Behavior
Pathobiology
Quantitative Ecology & Resource
Management (QERM)

COLLEGE OF ENGINEERING

Aeronautics & Astronautics
Chemical Engineering
Civil & Environmental Engineering
Computer Science & Engineering
Electrical Engineering
Industrial Engineering
Materials Science & Engineering
Mechanical Engineering

SCHOOL OF MEDICINE

Medical Scientist Training
Program (MSTP)

SCHOOL OF NURSING

SCHOOL OF PHARMACY

Medicinal Chemistry
Pharmaceutics
Pharmacy

COLLEGE OF THE ENVIRONMENT

Aquatic & Fishery Sciences
Atmospheric Sciences
Earth & Space Sciences
Environmental & Forest Sciences
Oceanography

SCHOOL OF PUBLIC HEALTH

Biostatistics
Environmental Health
Epidemiology
Institute for Public Health Genetics



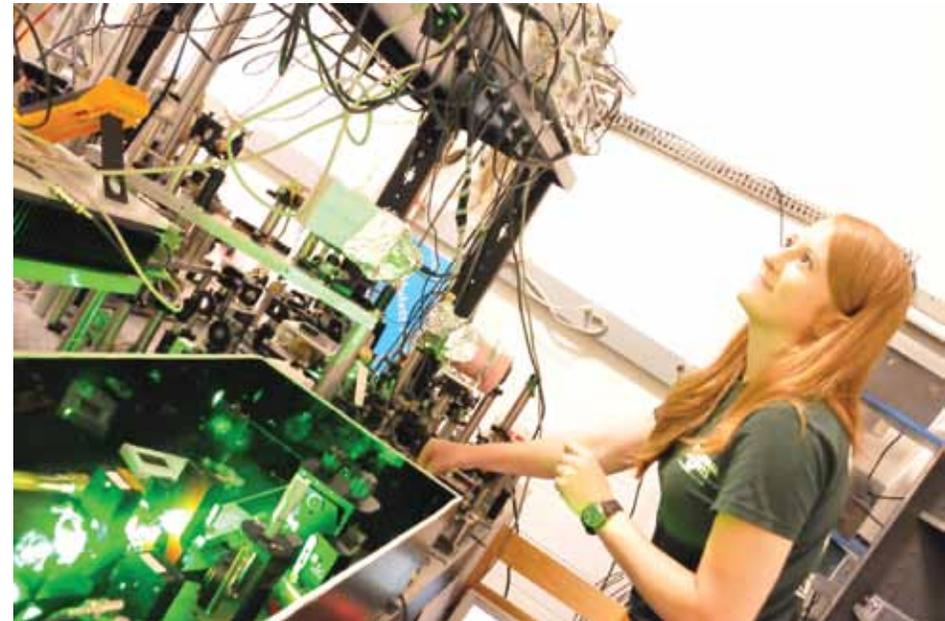


UNIVERSITY OF WASHINGTON
Graduate Program in Physics
An ARCS Foundation-Supported Department

Physics is considered the most fundamental of the natural sciences. For more than 80 years, graduate scholars in the Physics Department at the University of Washington have used highly sophisticated experimental and mathematical theories and techniques to study the physical world and how it behaves.

The UW Physics Department is highly rated at the national level and is recognized for the breadth and depth of its program. Sixteen distinct research specialties are pursued, ranging from astrophysics to quantum information and physics education research. Faculty honors include one Nobel Laureate and nine members of the National Academy of Sciences.

Each year the program receives numerous applications from brilliant scholars competing for 25 openings. In the largely male-dominated field of physics, the lack of women physicists is a national crisis. However, with the support of the Seattle Chapter of ARCS Foundation, the tide is changing. In 2010, two of the country's brightest female doctoral physics scholars were women who were recruited to the University of Washington through the benefit of an ARCS Fellowship.



UW FELLOW

Sharon McRae

DEPARTMENT Nursing

DONOR Anne Simpson & Charlie Conner with Kathy & Brooks Simpson



Developing effective health promotion tools for immigrant populations is a challenge that Sharon McRae wants to resolve. Her ethno-geriatric research focuses on healthy aging in older female immigrants from African countries. The recipient of an ARCS Foundation Fellowship funded by Anne Simpson and Charlie Conner, Sharon is pursuing a PhD in nursing at the University of Washington.

Why focus on females? “In many African subcultures,” explains Sharon, “the woman is the center of the family. Women lead and families follow. If we can capture their understanding of health and aging in the context of their immigrant experience, we can create effective health promotion tools.”

Sharon came to the United States from the Republic of Trinidad and Tobago as a child, so she has deep personal experience to draw from. She has worked with aging immigrants as a critical care nurse and nurse practitioner, and concludes that many of the issues she has treated could have been minimized or avoided altogether with the right information and tools.

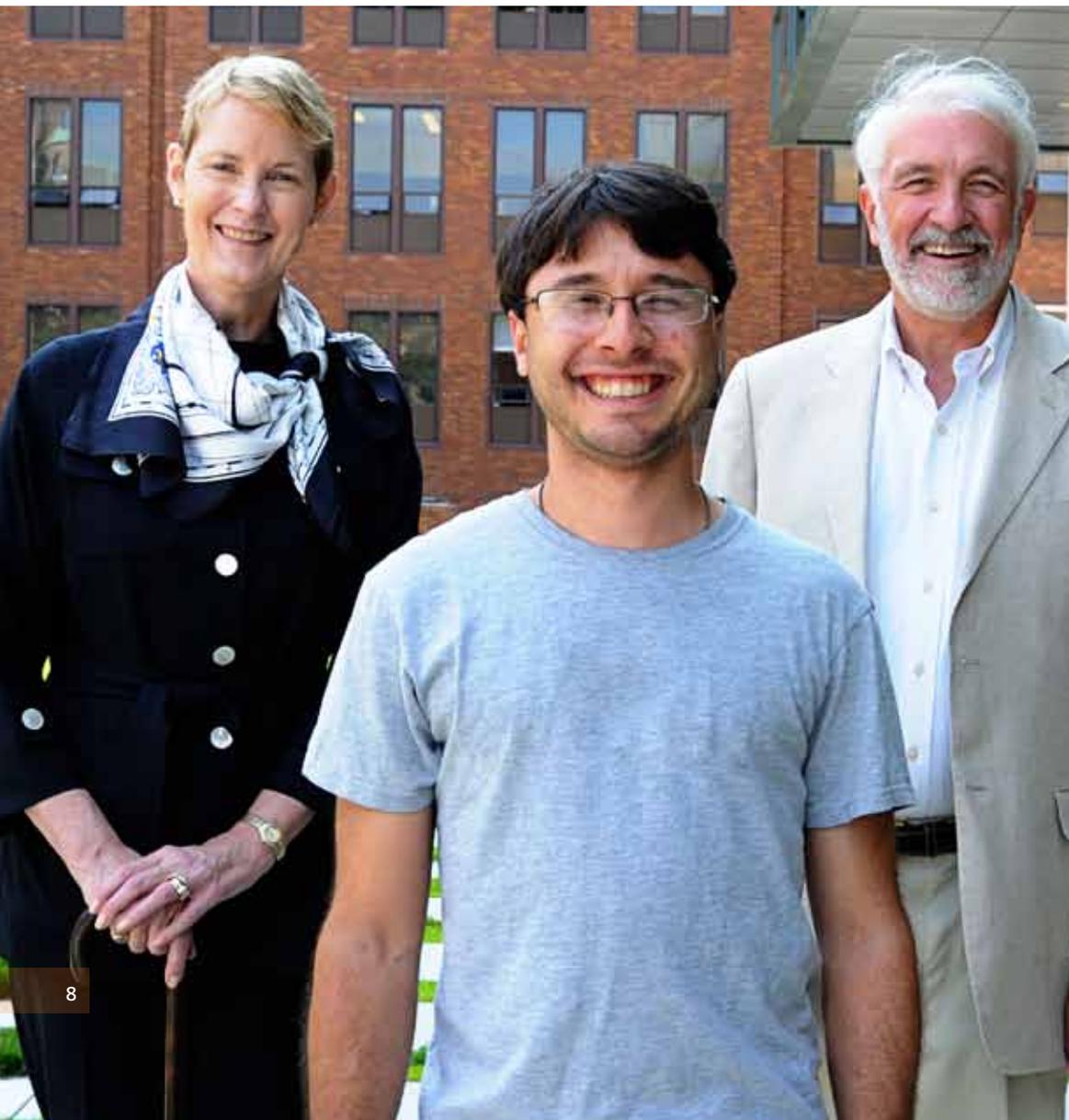
Sharon’s research seeks to understand what healthy aging means for women from a number of African subcultures. She can then develop effective tools to help them — along with their families — live healthier, longer lives.

“ARCS Foundation is the reason I’m in school at all right now,” she says. “It’s that simple.”

Michael Tremmel

DEPARTMENT Astronomy

DONOR Lynn Manley and Lex Lindsey



"There's increased interest in science in our country," says Lex Lindsey. "People are aware that we need to focus on science education so we don't fall behind like we did in the 1950s prior to Sputnik."

Lex is referring to the Soviet satellite that launched an era of space exploration—and sparked the creation of ARCS Foundation in 1958. Lex holds an MS in physics from the UW, and shares a keen interest in science with his wife, Lynn Manley, who minored in chemistry at WSU. Through their family's Chisholm Foundation, they are currently funding an ARCS Endowed Fellowship for Michael Tremmel, who is in his first year pursuing a PhD in astronomy at UW.

Michael's research involves analyzing computer simulations of galaxies and galaxy clusters to understand the physical processes involved in their formation and evolution. He acknowledges — and appreciates — that there's currently no direct practical application for his research. "Science, at its core, should be motivated by a search for truth," he says. "There's something intrinsically beautiful about understanding the universe for its own sake."

Lynn and Lex enjoy their inside look at the work being done by Michael and other ARCS Foundation scholars. "We're overwhelmed by the dedication of the students we've sponsored," says Lynn. "And we're so proud that we've had some small hand in their achievements."

DEPARTMENT Veterinary Science

DONOR Patty Barrier



“Patty is incredibly supportive in ways that go far beyond the financial,” says Nicki Wise. “She believes in me. I want her to be proud of everything I do, just like my parents.”

Nicki is in her third year of WSU’s veterinary science program, and she clearly thinks the world of Patty Barrier, who sponsored her ARCS Foundation Endowed Fellowship. The feeling is mutual. “Nicki has enriched my life. I am blessed to know her,” says Patty.

The two share a deep love of animals, and that bond was strengthened when Patty arranged for several rescue puppies to obtain lifesaving surgery at WSU’s veterinary hospital. Nicki worked around her own busy schedule to manage the puppies’ care. “She did everything for them,” says Patty. “She was amazingly generous with her time.”

Nicki’s commitment to animal care is reflected in her work, as she searches for a way to disarm a parasite that causes a dangerous disease in horses. “Right now, we can only control the transmission,” says Nicki. “We need to take a step back and work on a way to stop the infection from happening at all — or cure it once it starts.”

Both women are confident that their relationship will continue. “We’ve become dear friends,” says Nicki, and Patty concurs. “I know we’ll stay connected for years to come.”

FELLOWS

WASHINGTON STATE UNIVERSITY

FIRST YEAR FELLOWS

NAME	DONOR	FIELD OF STUDY
Christian Aguilar	Seattle Chapter ARCS Fellow	Plant Pathology
Jake Elder	The Aven Foundation ARCS Endowment	Veterinary Science
Cory Gall	Seattle Chapter ARCS Fellow	Veterinary Science
Kendra Gregory Jernigan	Seattle Chapter ARCS Fellow	Crop and Soil Sciences
Rebecca Holcomb	Seattle Chapter ARCS Fellow	Molecular Plant Science
Shao Yeh Lu	Lynn & Mikal Thomsen ARCS Endowment	Veterinary Science/GAH
Aaron Mahoney	Lynn & Mikal Thomsen	Molecular Plant Science
Yvonne Manning	Stevens Family	Crop and Soil Sciences
Katie McKeever	Eve & Chap Alvord	Plant Pathology
Nicholas Mueth	Seattle Chapter ARCS Fellow	Molecular Plant Science
Gabrielle Pastenkos	Jacque & Rick Doane in Honor of Henry	Veterinary Science
Darin Weed	Seattle Chapter ARCS Fellow	Veterinary Science

SECOND YEAR FELLOWS

NAME	DONOR	FIELD OF STUDY
Lindsay Fry	Trish & Jim Rogers	Veterinary Science
Michael Gonzalez	ARCS Seattle Chapter Fellow	Veterinary Science
Kimberly Honn	WSU President's Award	Veterinary Science
Benjamin Kilian	ARCS Seattle Chapter Fellow	Molecular Plant Science
Nevin Lawrence	WSU Graduate School	Crop & Soil Sciences
Gracen Smith	ARCS Seattle Chapter Fellow	Molecular Plant Science
Jacquelyn Stone	Lynn & Mikal Thomsen	Veterinary Science/GAH
Jonathan Wachter	Amy & Matt Rudolf	Crop & Soil Sciences

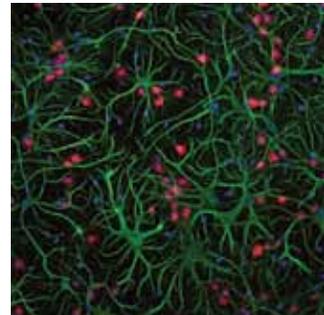
THIRD YEAR FELLOWS

NAME	DONOR	FIELD OF STUDY
Sierra Beecher	ARCS Seattle Chapter in Honor of Sandra Carlson	Molecular Plant Science
Ryan Boyd	Brookshire-Green Foundation	Molecular Plant Science
Margaret Highland	Brainerd Family	Veterinary Science
Allison James	Lynn & Mikal Thomsen	Veterinary Science/GAH
Erik Landry	Catherine Mee	Crop & Soil Sciences
Diana Short	Sally Behnke	Veterinary Science
Lauren "Nicki" Wise	Blue Barrier	Veterinary Science



“ARCS Foundation helps insure that top students in STEM disciplines come to the State of Washington for their graduate work. This contribution facilitates the high-impact achievements being made at our universities.”

— Dr. Nancy Magnuson, Interim Vice President for Research,
Dean of the Graduate School, Washington State University



WASHINGTON STATE UNIVERSITY FELLOWSHIP SUPPORT AREAS

The Seattle Chapter of ARCS Foundation, Inc. currently supports WSU students in the following departments and schools:

COLLEGE OF AGRICULTURE, HUMAN AND NATURAL RESOURCE SCIENCES

Crop & Soil Sciences
Molecular Plant Sciences
Plant Pathology

COLLEGE OF VETERINARY MEDICINE

Global Animal Health
Molecular Biosciences
Neuroscience
Pharmacology & Physiology (VCAPP)
Veterinary Clinical Sciences
Veterinary & Comparative Anatomy
Veterinary Microbiology & Pathology

WASHINGTON STATE UNIVERSITY

Department of Veterinary Microbiology and Pathology

An ARCS Foundation-Supported Department

The Department of Veterinary Microbiology and Pathology is a cohesive research and teaching unit that also provides diagnostic services through the Washington Animal Disease Diagnostic Laboratory. It is recognized nationally for the high quality and impact of its work.

The department's research focus is infectious diseases of animals: the hosts, the agents, the interaction of host and agent, and the animal-human interface. Faculty, in concert with graduate students, are engaged in research to control diseases of international importance. The outcomes of their research benefit both animals and humans and are published in top-tier, refereed scientific journals. The faculty forms a strong interdisciplinary group and works in collaboration with the USDA-ARS-Animal Disease Research Unit, the Washington Animal Disease Diagnostic Laboratory and the Paul G. Allen School for Global Animal Health.

The department also takes pride in its award-winning and innovative approaches to teaching veterinary students. Graduate programs are designed to educate the next generation of scientists, and many department graduates currently hold prominent positions in academia.



WSU FELLOW
Ryan Boyd

DEPARTMENT Molecular Plant Science
DONOR Brookshire-Green Foundation



As the world's population continues to expand, experts are sounding the alarm about a potential global food crisis. Scientists are considering many solutions to help avert such a catastrophe — and Ryan Boyd is working on one of them: the potential to enhance crop yields by increasing the efficiency of photosynthesis in certain types of plants.

In his third year of an ARCS Foundation Fellowship at Washington State University donated by Zan Brookshire and the Brookshire-Green Foundation, Ryan is pursuing a PhD in molecular plant science. He is looking at a key plant enzyme that captures carbon dioxide and transforms it into usable plant energy, and how changes in amino acid residues within that enzyme can alter the speed of that reaction. As a result of this important research, food crops such as rice, soybeans and wheat could someday require less water and fertilizer to produce larger yields.

When looking for a graduate school, Ryan explains, “WSU had a strong pull, but I knew it was going to be my last structured educational experience and that thought weighed heavily while I was making my decision.” What helped tip the balance in WSU’s favor? “The funding from ARCS Foundation,” he confirms. “It makes finances one less thing to worry about and allows me to focus on my education and research.”

In Their Own Words

UW FELLOW Michael Duyzend



DEPARTMENT MD/PhD Genome Sciences
DONOR Marcia and Robert Lewis

"ARCS Foundation has provided me with a community that embraces excellence in research, big ideas and collaboration. I hope that someday, given the opportunity, I can bestow the same gift on another as they have given me."

WSU FELLOW Erik Landry



DEPARTMENT Crop & Soil Sciences
DONOR Catherine Mee

"As a recipient of an ARCS Fellowship I feel a part of something bigger. Across the country ARCS members continue to look to the future and invest in it. This impact goes far beyond myself and I feel honored to be an ARCS Fellow."

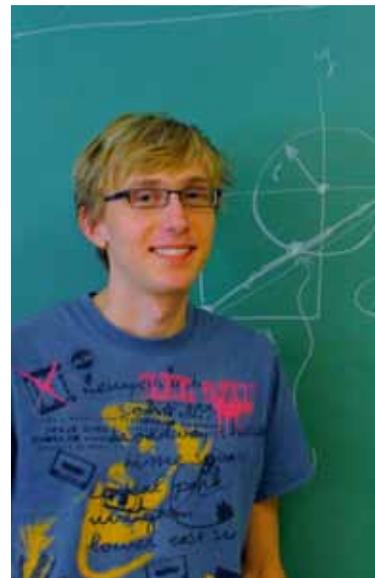
WSU FELLOW Sierra Beecher



DEPARTMENT Molecular Plant Science
DONOR Seattle Chapter in Honor of Sandy Carlson

"The benefits of being an ARCS Fellow go well beyond the monetary. I feel doubly committed to my scientific progress. This translates into a deeper engagement with my scientific endeavors, a higher level of satisfaction with my work and more meaningful scientific results."

UW FELLOW Jacob Kotas



DEPARTMENT Applied Mathematics
DONOR Washington Research Foundation

"The ARCS Foundation Fellowship made the decision between an academic research career and a job in industry much easier."

Where Are They Now?

Dan Goldman, PhD

UW ARCS FELLOW 2001 - 2003



A principal scientist at Adobe Systems in Seattle, Dan Goldman believes in ARCS. "It's critical to have an independent, non-governmental organization devoted to the advancement of science," he comments. "ARCS Foundation helps show the community the value of the important work being done by scientists."

Dan speaks from experience. An ARCS Foundation Fellowship helped fund his pursuit of a PhD in computer science and engineering at the University of Washington in the early 2000s. His thesis focused on tools for working with video, and that's "still a lot of my work today," he says.

Dan is currently part of an Adobe Systems research group — a worldwide network of interns, graduate students and faculty — aiming to revolutionize how the world engages with images and video. "Digital images are becoming a larger and larger part of our lives," he notes, "and a high level of expertise is needed to manipulate those images well. We want to lower the bar."

Dan worked as a computer graphics artist and engineer before deciding to pursue his PhD and remains tremendously grateful for his ARCS Foundation funding. "It softened the blow of leaving a real job and becoming a student again," he says. "ARCS helped make it possible for me to be where I am today."

CORPORATE DONOR Microsoft

Microsoft is committed to helping youth and young adults around the world obtain the skills they need and connect to opportunities to pursue their dreams; that commitment is reflected in the company's longtime support of ARCS Foundation and its mission.

Microsoft has funded several ARCS Foundation Fellowships; one of them was given by Bill Gates, Sr. in honor of his daughter-in-law Melinda Gates when she spoke at the Seattle Chapter's annual luncheon in 1998. The company has provided key elements for ARCS programming, which has featured Microsoft speakers and site tours. The benefits of the alliance are reciprocal, with several ARCS Fellows going on to become Microsoft employees after earning their PhDs. Most recently, Microsoft provided key corporate support for both the 2011 and 2012 Annual ARCS Luncheons.

Through its work with organizations like ARCS Foundation, Microsoft hopes to lessen what it calls "the opportunity divide," especially as it exists for young people. In support of its ongoing commitment to education and learning, the company actively supports programs that empower youth to imagine and realize their potential, and move from opportunity imagined to opportunity realized.

"Our involvement with the Seattle Chapter of ARCS Foundation furthers our commitment to help exceptional students reach their full potential," says Jane Broom, Community Affairs Director, Microsoft Corporation.

ARCS LIGHT AWARD Susan Potts



ARCS LIGHT RECIPIENTS

Susan Adkins
Bylieu Badgley
Marjorie Bathum
Lolly Baugh
Maxine Blumenthal
Betty Bottler
Barbara Cable
Sandra Carlson
Marlene Durbin
Bobbie Fowler
Margery Friedlander
Ruth Gerberding
Vicki Glant
Barbara Goesling
Vicki Griffin
Patty Hall
Betty Hedreen
Janet McNae
Cathy Mullins
Susan Potts
Jeannette Rockefeller
Candice Rosenberg
Dottie Simpson
Kayla Skinner
Althea Stroum
Linda Suzman
Ginny Thomas
Camille Uhrir
Jill Watkins
Carol Wright
Anne Zubko

The Seattle Chapter of ARCS Foundation is proud to name Susan Potts the 2012 recipient of its annual ARCS "Light" Award, chosen to honor members who have made significant contributions to the chapter.

A member since 1998, Susan has served as Chapter President, Director of Nominations (twice), Director of Long-Range Planning and on national ARCS Foundation committees.

Susan has also shared her talents with numerous non-profits, including the University of Washington Foundation, Seattle Children's Museum, Intiman Theatre, Seattle Arts and Lectures, YMCA, King County Library System and KUOW Public Radio. She has been a planning commissioner, city council member and mayor of Medina, WA.

"I love ARCS because it has enabled me to get to know remarkable women, learn about science and feel that I am helping make our top two universities even better."

Susan's creativity and strategic thinking will have a long-lasting impact on the Seattle Chapter.



INDIVIDUAL GIFTS

THANK YOU!

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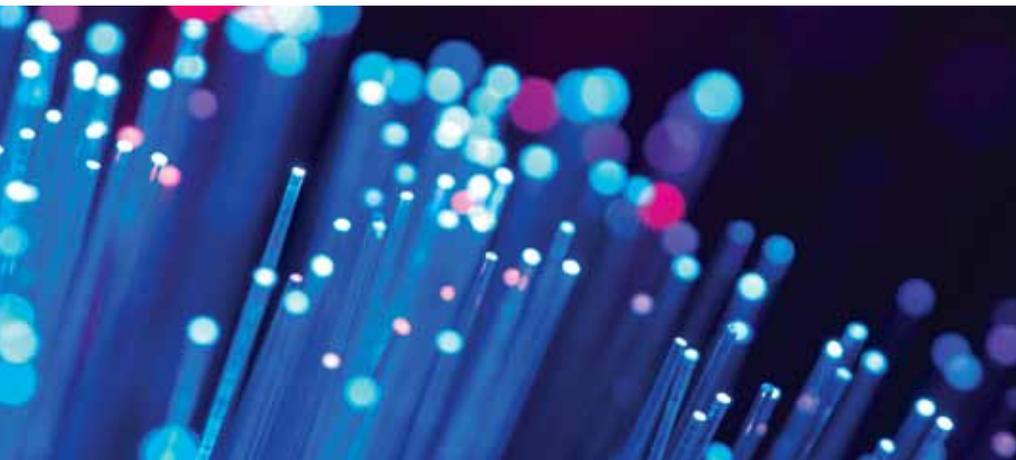
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