ARCS SCHOLARS ADVANCE SCIENCE IN AMERICA

ARCS Foundation is a national nonprofit organization administered entirely by women who see a national problem and are taking the initiative to solve it. The organization's mission is to address this country's serious shortage of American scientists and engineers. We address this issue by providing financial awards and encouragement to men and women working to complete their degrees in science, engineering, and medical research.

Our Scholars Will Change The World

Single-minded focus, sharp intellect, years of hard work and sacrifice, strict discipline, and profound commitment to scientific exploration - these are the characteristics of scientists who will lead us to a better future. Hundreds of these individuals are current ARCS Scholars, poised to make the discoveries that will lead to U.S. scientific progress, global competitiveness, and national security.

Since its founding in 1958 ARCS Foundation has grown to 15 chapters nationally and invested more than $105 million in the potential of over 10,000 of the most outstanding American graduate and undergraduate Scholars in science, engineering and medical research at 51 of the country’s top research universities. Since 1985, the San Diego chapter alone has contributed $10.1 million in support of Scholars at San Diego State University, Scripps Research, UC San Diego and the University of San Diego.

We are very proud of what ARCS Foundation has accomplished and recognize that our mission is important to our country’s economic growth, our global technological leadership, and ultimately the well-being and quality of life for all people.

How ARCS Scholars Use Their Awards

ARCS unrestricted Scholar funding may be used for:

- Research equipment and supplies
- Travel expense to attend conferences
- Basic financial needs

ARCS San Diego Chapter 2017-2018

President - Helga Moore
Co-President - Mary Lou Quick

77% of our San Diego Chapter members participated in donating to our ARCS Scholar Fund for the 2017-2018 academic year.
About Our Scholars

ARCS Scholars represent an elite group of students, selected by their faculty for their recognized achievements and exceptional promise to contribute substantially to their fields. These Scholars represent America’s future. The San Diego Chapter of ARCS Foundation can boast of a 98% graduation rate for our Scholars, compared with a national completion rate of 60% for graduate students in the sciences and engineering. Funds invested in our Scholars will pay dividends for generations to come.

Scholar Selection

Scholars must be U.S. citizens and meet ARCS-established academic criteria of a minimum 3.5 GPA, pursuing undergraduate and graduate degrees in a wide range of scientific subjects. These Scholars are specializing in astronomy, biochemistry, botany, cell and molecular biology, chemistry, computer science, ecology, engineering, genetics, marine biology, mathematics, medical research, oceanography, physics and more.

Allocation of ARCS Scholar Awards

The amount of funding available for ARCS Scholar Awards is calculated each year by using a distribution formula based on the percentage of eligible Scholars enrolled at each ARCS-approved recipient university. For the 2017-2018 academic year, awards were allocated as follows:

Scholar Awards Granted:

2017-2018 Academic Year — $422,500 to 58 Scholars

- $7,500 Graduate Scholar Awards: 53
- $5,000 Graduate Scholar Awards: 5

2018-2019 Academic Year — $415,000 to 57 Scholars

- $7,500 Graduate Scholar Awards: 52
- $5,000 Graduate Scholar Awards: 5

58 Scholars received awards in the 2017-2018 academic year.
57 Scholars received awards in the 2018-2019 academic year.
SCIENTIST OF THE YEAR DINNER 2018

Fred “Rusty” Gage, Ph.D. - 2018 Scientist of the Year

Fred “Rusty” Gage, Ph.D., President and Adler Professor in the Laboratory of Genetics, joined the Salk Institute in 1995. He received his Ph.D. in 1976 from the Johns Hopkins University. Dr. Gage’s work concentrates on the adult central nervous system and unexpected plasticity and adaptability to environmental stimulation that remains throughout the life of all mammals. His lab showed that human beings are capable of growing new nerve cells throughout life, in a process called neurogenesis. Gage’s team explores how these cells can be prompted to become mature, functioning nerve cells in the adult brain and spinal cord. He also showed that environmental enrichment and physical exercise can enhance the growth of new brain cells. The team also continues to study the underlying cellular and molecular mechanisms of neurogenesis to find possible avenues to repair damaged or aging brains. Prior to joining Salk, Dr. Gage was a Professor of Neuroscience at the University of California, San Diego. He is a Fellow of the American Association for the Advancement of Science, a Member of the National Academy of Sciences and the Institute of Medicine, and American Philosophical Society, a foreign member of the European Molecular Biology Organization and a Member of the American Academy of Arts and Sciences.

Mary Walshok, Ph.D. - Keynote Speaker

Mary Walshok, Ph.D., author, educator, and researcher is Associate Vice Chancellor for public programs and Dean of Extension at the University of California, San Diego. Dr. Walshok is the author of six books and more than 100 articles and reports on aligning workforce development with regional economic growth. She oversees a $50 million, 200-employee division that annually serves more than 65,000 enrollees through innovative local and online programs, including UCSD-TV and UCTV, which reaches over 22 million households.

Gilead Sciences, Inc

UC San Diego

Scripps Research

The Westreich Foundation

San Diego State University

Dowling & Yahnke Wealth Management

Farrell Family Foundation

Hologic, Inc

GENERAL ATOMICS
ARCS Scholars representing UC San Diego, San Diego State University, Scripps Research and the University of San Diego attended the 2018 Scientist of the Year Dinner

25 ARCS Scholars presented their research at the pre-dinner reception
ARCS® Foundation, Inc., San Diego Chapter

MAJOR DONORS
Cumulative Gifts 1985 through June 30, 2018

STELLAR BENEFACTORS – $1,000,000 AND ABOVE
The Reuben H. Fleet Foundation Fund
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Union Bank
WD-40 Company (combined with Jack Heckel)

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The Atkinson Family Foundation
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Cubic Corporation
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Up to $499
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Dr. William McColl
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Jean P.Thompson
Richard and Bobbie Vandervoot
Elizabeth (BJ) Williams
RADM & Mrs. Guy Zeller

$500 - $999
Nancy Lee Bilsborrow
Kristin Boyd
June Chocheles
Ann Dynes
Nancy Eastman
Toby Eisenberg
Doris & Peter Ellsworth
Dr. David and Mary Fitz
Karen Fontana
Dr. Cindy Goodman
Margaret Hanley

$50,000 and above
Reuben H. Fleet
Foundation Fund

$30,000
Beyster Family
Foundation Fund IV
Hewey Family
Non-endowment Fund

$10,000 - $15,000
The Donald C. and
Elizabeth M. Dickinson
Foundation
The Ellen Browning
Scripps Foundation
Gilead Sciences, Inc.
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Education at Union Bank

$7,500 - $9,999
Carlos and Sharon
Arbelaez
Kenneth and Marjorie
Blanchard
Mr. & Mrs. Elaine Briggs
Becki and Ed Etess
Dorothy Georgens
The Heller Foundation of
San Diego

$5,000 - $7,499
French Masserini Funds
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Laura Matteo
Diane & Tyler Miller
NuVasive, Inc.
Lauree Roeder
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University
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Foundation
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General Atomics
Hologic Charitable Fund
Webster and Helen
Kimneid, The Paul
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$1,000 - $2,499
Barbara Doren
Dowling & Yahnke LLC
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Sally and Parker Finch
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VADM and Mrs. William McCauley
Barbara and
Dr. William McColl
Patricia Branderstein
Jean P.Thompson
Richard and Bobbie Vandervoot
Elizabeth (BJ) Williams
RADM & Mrs. Guy Zeller

$500 - $999
Nancy Lee Bilsborrow
Kristin Boyd
June Chocheles
Ann Dynes
Nancy Eastman
Toby Eisenberg
Doris & Peter Ellsworth
Dr. David and Mary Fitz
Karen Fontana
Dr. Cindy Goodman
Margaret Hanley

Our greatest gratitude to these major donors who have made a significant contribution to the future of science, engineering and medicine by supporting ARCS Scholars.

The above amounts include donations to the ARCS Awards and Endowment Funds.

2017-2018 Donor Honor Roll
SAN DIEGO CHAPTER • JULY 1, 2017 – JUNE 30, 2018
Gifts received for awards to be made in the Academic Year 2018 - 2019

Holly Heaton
Marge and Paul Hebert
Joanne T. Herrin
Nancy and David
Herrington
Linda Johnson
Mary Kappus
Lois Kennelly
Mary and Dan Mulvihill
Marti and Frank Panaris
Gloria McCall Powell
Tanya Schierling
Tarnia Strachan

$500 - $999
Nancy Lee Bilsborrow
Kristin Boyd
June Chocheles
Ann Dynes
Nancy Eastman
Toby Eisenberg
Doris & Peter Ellsworth
Dr. David and Mary Fitz
Karen Fontana
Dr. Cindy Goodman
Margaret Hanley

$2,500 - $4,999
Bowden Family
Foundation
Farrell Foundation
General Atomics
Hologic Charitable Fund
Webster and Helen
Kimneid, The Paul
Bechtler Fund

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June Chocheles
Ann Dynes
Nancy Eastman
Toby Eisenberg
Doris & Peter Ellsworth
Dr. David and Mary Fitz
Karen Fontana
Dr. Cindy Goodman
Margaret Hanley

See an error or omission? Please contact
Ellen Moxham
egmox@cox.net

Dr. Candace Kohl
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Sally Thomas
Marlene Turrentine
Yolanda Walther-Meado
Pattie Wellborn
Gayle Wilson

The amounts above include donations to the ARCS Foundation Scholar Award Fund, Endowment, and Memorial Funds as of June 30, 2018.
ARCS San Diego Chapter • 33 Years of Support for Scientific Research
Founded in 1985 • Total Awards Granted: 1,374 • Total Funding: $10,107,000

- 699 Awards Granted
  UC San Diego
  $5,387,500

- 429 Awards Granted
  San Diego State University
  $3,144,500

- 172 Awards Granted
  Scripps Research
  $1,060,000

- 74 Awards Granted
  University of San Diego
  $515,000
Ways to Help ARCS Foundation Scholars
100% of your contributions are awarded to the Scholars.
Member dues and event underwriting cover all Foundation operating expenses and overhead.
Members donate their time to provide most administrative services.

- **Annual Gifts to the Scholar Award Fund**
  Gifts to ARCS Foundation Scholar Award Fund support both continuing and new Scholars. All gifts received during the fiscal year (July 1 - June 30) are awarded at the beginning of the following academic year.

- **Gifts to ARCS Foundation Endowment Fund**
  Gifts to ARCS Foundation Endowment build an investment fund, the earnings of which provide a permanent source of income to support the Scholar Award Fund in perpetuity. When the Endowment grows by $150,000, the interest earned generates a $7,500 Award.

- **Gifts to ARCS Legacy Society**
  ARCS Legacy Society comprises donors who have provided for ARCS Foundation in their estate plans. For Legacy Society information, contact Becki Etess at (858) 456-2593.

- **Memorial & Honorary Gifts**
  Gifts may be made in memory of a loved one, or in recognition of an individual on the occasion of a birthday, anniversary, or special event. All memorials and honoraria help build the Endowment Fund.

If you wish to give online:
Go to the ARCS website: www.san-diego.arcsfoundation.org
Click the turquoise “Donate” button found at the bottom of the homepage. Then click the blue “Donate Now” button found at the bottom of the linked page.

For more information, please contact:
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