



# Orange County Chapter

January 6, 2015

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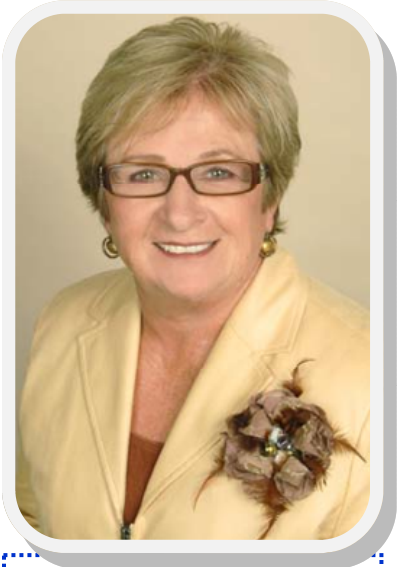
## pH Reading From The President

As Chapter President, it was so great to see so many of ARCS Orange County members at the Holiday Party and for many of us to enjoy a glass of wine and to be able to catch up with other members before and during lunch. Lots of enjoyable conversations occurred. I want to thank Regina O'Meara and Barbara Hamkalo for planning and organizing this luncheon. I also want to thank you Barbara for providing the wine.

We begin 2015 with our first Winter Edition of the "pH Reading". This edition will feature our undergraduate Emmi Family Foundation ARCS Scholars. ARCS Orange County Chapter is so grateful to have the continuing support of the Emmi Family Foundation. These undergraduate scholars have very promising futures in the Engineering Scientific Community. Thank you Catherine Emmi, an ARCS Orange County Chapter member, for the role you play in making this support possible.

Also, the ARCS Orange County Chapter Membership Committee Director, Linda Crans and committee members, would like to invite anyone who receives the "pH Reading", and is not a current member of ARCS, to consider membership for 2015-2016. Please adhere to Page 3 to see ARCS Orange County Chapter current active and associate members. Membership information is provided on page 4 of "pH Reading."

As we enter 2015, I would like to wish you all a safe, abundant, and prosperous New Year. May you and our Scholars all embark on new discoveries and withstand any obstacles that may come your way.



Ellen M. Lewis, MSN, RN, FAAN

Orange County Chapter

## Upcoming Events

- BOD Meeting 3-4:30PM 1/21/15
- National ARCS Board Meeting  
Phoenix, AZ 1/21/15-1/24/15
- Scholar's Luncheon 01/15/2015  
Invitation Only
- Scholar Awards Dinner 3/11/15

# ARCS Orange County Chapter

## *Emmi Family Foundation Scholars*



Zepoor Khechadorian

Area of Study/Department: Mechanical Engineering

Zepoor is currently a second year undergraduate at the University of California, Irvine, double-majoring in mechanical engineering and applied physics. She works on computational research projects with both an engineering and physics faculty mentor. For the Computational Environmental Sciences Laboratory in the engineering department, she is updating a program called APIT (Airshed Postprocessing Interactive Tool). For the physics department, she undertook a summer project to investigate the possible decay of the Higgs Boson into dark matter. After graduation, Zepoor plans to become involved in research either through teaching at a university level or working for an institution such as CERN.



Nima Mohseni

Area of Study/Department: Mechanical & Aerospace Engineering

Nima is currently a double major in Mechanical and Aerospace Engineering and is planning to earn a B.S. in 2017. He is also one of the chief engineers of the undergraduate Human Powered Airplane Project at UC Irvine. The project aims to build and fly a carbon composite human powered airplane while at the same time allowing students to have the opportunity to apply what they are learning in the classroom to a real project. Nima also has been helping to create a flight simulator for the School of Engineering that would allow students to fly and test the aircraft they have designed.

# ARCS Orange County Chapter

## *Emmi Family Foundation Scholars*



Hannah Robinson

Area of Study/Department: Aerospace Engineering

Hannah is beginning her first year at UC Irvine as an undergraduate, and is pursuing her BS in Aerospace Engineering. During the next year, Hannah is excited to learn the many different aspects of AE and will determine a specific area of focus within her major. In her spare time, Hannah enjoys hiking and working her part-time job at a local mail center.



Ryan Stolliker

Area of Study/Department: Mechanical Engineering

Ryan Wallace Stolliker is a freshman working towards his Bachelor's Degree in Mechanical Engineering with a specialization in Design of Mechanical Systems. He aspires to continue to graduate school. Additionally, Ryan is a member of the American Society of Mechanical Engineers and the 3D printing club at UC Irvine. Some of Ryan's personal interests are traveling to National Parks and visiting animal sanctuaries.

# Welcome 2014-2015 Members

The foundation of any organization is its membership. And the Orange County (OC) Chapter of the ARCS Foundation, Inc. is very fortunate to have long-term members dedicated to advancing science in America. On behalf of the OC Chapter Board, the Membership Committee thanks all of our members for their membership renewals and welcomes the 2014-2015 Members listed below. This year our Membership includes 36 Active, 7 Associate and 2 Honorary Members. Many of our members are Charter Members having participated since the inception of the OC Chapter. This certainly is a testimony to their dedication to the mission. Our organization offers unique benefits to its membership, namely, opportunities to interact with the Scholars who are the recipients of our efforts and life-long learning through lectures and field trips. We are looking forward to another exciting year and seeing many of our members and their family and friends who share a passion for advancing science in America at Chapter sponsored events. Each and every event is another opportunity to recruit like-minded women who want to share their time, talents and treasures in support of our mission. Please contact any of our Membership Committee Members – Sue Alexopoulos, Diana Casey, Linda Crans, or Chandra Jain – should you have any questions or go to our website at [https://www.arcsfoundation.org/orange\\_county/](https://www.arcsfoundation.org/orange_county/).

<b>Member Name</b>	<b>Member Category</b>	<b>Member Name</b>	<b>Member Category</b>
Sue Alexopoulos	Active	Elsie Little	Active
Rebecca Berge	Active	Carol Malouf	Active
Rudi Berkelhamer	Active	Pamela Miller	Active
Susan Bryant	Active	Jacklyn Murphy	Associate
Linda Buzzard	Associate	Sandya Narayanswami	Active
France M-A. Campbell	Active	Sue Lyn Neuen	Active
Janis Carpenter	Associate	Regina O'Meara	Active
Terri Carr	Active	Arzu Osborne	Active
Diana Casey	Active	Marie Richman	Active
Carol Cicerone	Honorary	Teresa Rogers	Active
Karen Johnson Cohoe	Associate	Jacqueline Rojas	Active
Cheryl M. Craft	Active	Ann Rowe	Active
Linda L. Crans	Active	Sara Saedinia	Active
Catherine Emmi	Active	Peggy Stemler	Active
Cynthia French	Associate	Toni Sullivan	Active
Mary Lou Furnas	Active	Eve Thompson	Active
Judy Greenspon	Active	Joan Torres	Active
Barbara Hamkalo	Active	Kathleen Treseder	Associate
Chandra Jain	Active	Martha Unickel	Active
Donna Jenkins	Honorary	Gigi Werbin	Associate
Kathleen Kerrigan	Active	Nancy Whelan	Active
Catherine Kusnick	Active	Sharon Whipple	Active
Ellen Lewis	Active		

We are on the web

[https://www.arcsfoundation.org/orange\\_county/](https://www.arcsfoundation.org/orange_county/)

## Contact Info

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If your personal interests align with ARCS' Mission and you would like information about membership, please email **Linda Crans** at [LLcrans@yahoo.com](mailto:LLcrans@yahoo.com)



## RECENT SCIENCE DISCOVERIES

"In a search for genes that fight off aging, researchers have now charted the bowhead whale genome.

Bowheads are filter feeders found only in the Arctic, and are some of the largest mammals on Earth. Old harpoon points found in bowheads suggest the whales live for some 200 years."

"...the researchers found that bowhead whales have unique mutations in a gene called ERCC1, which is involved in repairing damaged DNA. The mutations in this gene could provide protection against cancer, Magalhaes said. About 30 percent of people will develop some form of cancer during their lives, but whales seem to have a remarkably low cancer rate, despite their huge number of cells and long life span." Read more at <http://shar.es/1HKTg9>

*Becky Oskin, Senior Writer for LiveScience.com |  
January 05, 2015 02:49pm ET*

## Mission Statement

**ARCS- Achievement Rewards for College Scientists**

The 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.

## Acknowledgements

Thank you Marie Richman and Linda Crans for contributing content featured in this newsletter edition.

## Donate to ARCS Foundation Orange County Why Give?

A gift to ARCS Foundation is an opportunity to contribute to America's scientific and economic future by supporting the best of our nation's science and engineering graduate students. For corporations, foundations and individuals, ARCS Foundation provides a unique and cost-effective method to provide direct support for the most promising scholars at **UC Irvine**.

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