APS Awards $31,800 to Six Undergraduate Research Excellence Fellows

Bethesda, Md. (May 29, 2018)—The American Physiological Society (APS) is pleased to announce its 2018 Undergraduate Research Excellence Fellowship (UGREF) recipients. Fellowship recipients spend the summer in the laboratory of an established APS member-researcher. The UGREF program recruits undergraduate students from the U.S. and abroad.

**2018 UGREF Fellows:**
(APS member-hosts are listed under each Fellow’s name)

**Winston Guo** – *University of Minnesota-Twin Cities*
**Michael Joyner, MD** – *Mayo Clinic*

**Samantha Marosis** – *Ohio State University*
**Brenda Lilly, PhD** – *Nationwide Children’s Hospital*

**Judie Shang** – *University of Calgary*
**Wallace MacNaughton, PhD** – *University of Calgary*

**Kayla Woodward** – *University of Colorado Boulder*
**Douglas R. Seals, PhD** – *University of Colorado Boulder*

**Shao Yang Zhang** – *University of Iowa*
**Justin L. Grobe, PhD** – *University of Iowa*

**Zhuldyz Zhanzak** – *Nazarbayev University*
**Eric Gross, MD, PhD** – *Stanford University*
Fellows are selected based on academic merit, the quality of the proposed experience and the availability of appropriate faculty mentors. Fellows must have at least nine months or more of research experience in a lab to be eligible. Special consideration is given to applicants whose socioeconomic background, access to educational opportunities and other life experiences suggest they would especially benefit from this type of program.

Each Fellow receives a $4,000 stipend during their 10-week research experience and an additional $1,300 in travel funds to present his or her research at the APS annual meeting at Experimental Biology 2019 in Orlando, which is expected to attract nearly 14,000 attendees. Research hosts receive $300 for student lab supplies.

UGREF Fellows will participate in hands-on research and learn to develop a hypothesis, design and troubleshoot experiments, collect and analyze data, and write and present results. In addition, Fellows will have the opportunity to:

- network with other APS Fellows interested in and conducting biomedical or basic research,
- explore the nature of research and the scientific process,
- investigate physiology career options and what it takes to find career success,
- learn about scientific writing and draft a meeting abstract,
- learn about common ethical issues in figure and text preparation, and
- write a mini-manuscript based on previous data, and
- pose their career questions to members of the APS Advisory Board and APS Career Opportunities in Physiology Committee.

The UGREF program is sponsored by the APS Career Opportunities in Physiology Committee and funded by the APS Council.

To set up an interview with one of the Fellows or a research host or to find out more about APS and its educational and award program initiatives, visit the APS website or contact Jessica.
Taylor, PhD, APS senior manager, higher education programs (301-634-7787), or Allison Hood, APS program coordinator, undergraduate programs (301-634-7233), or visit the APS UGREF website.

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**About the APS Education Department:** APS supports a variety of educational activities, including programs and fellowships to encourage the development of young scientists at the undergraduate and graduate levels, with a particular focus on women and underrepresented minorities. APS also supports refresher courses and teaching awards promoting continued excellence in education at the professional level. APS is a proud past recipient of the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM).

**About the APS:** Physiology is the study of how molecules, cells, tissues and organs function in health and disease. Established in 1887, the American Physiological Society (APS) was the first U.S. society in the biomedical sciences field. The Society represents more than 10,500 members and publishes 15 peer-reviewed journals with a worldwide readership.