California Section
American Chemical Society

Women CHEMISTS Committee

All are welcome
Saturday, May 20, 2023

Title

Biomedical scientists making their mark in clinical research: Experience on a journey without a map

Time
10:30 – 11:00 am
Chatting

11:00 am
Talk and Discussion

Reservation
Please visit the CalACS website www.calacs.org to register for this meeting or use Brown Paper Tickets.

RSVP here!

Please register before Thursday, May 18, 2023, 12 noon. Your email address is needed to send the ZOOM link, which will be shared with attendees on or before the day of the event via Brown Paper Tickets.

Cost
Free!

About the Speaker

Rajan Singh, PhD

Rajan Singh was born and raised in India, a developing country with diverse cultures, religions, traditions, and languages, all nearby his home. Thus, he appreciated diversity from a young age. After obtaining his BS in Biological Sciences in 2007 from the University of Lucknow, he enrolled in a doctoral program at Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGIMS), Lucknow, one of the best medical schools in India. After gaining extensive experience and knowledge in the gastrointestinal (GI) motility field during his doctoral studies, he did postdoctoral research in the same field by joining the lab of Professors Seungil Ro and Kent Sanders, leaders in the field of Gut Motility Research. From 2021, Rajan became an Assistant Professor (Research), Department of Physiology and Cell Biology, School of Medicine, University of Nevada, Reno, USA. He has mentored first-generation graduate students and fueled their aspirations to become successful academicians by training them with adequate skill sets and future research goals/perspectives.

Abstract

Life is full of challenges at each stage. Rajan will describe challenges he faced from his graduate school career, along with the skills he developed to overcome them. Moving to the US for his postdoctoral work presented a new set of challenges with the opportunity to develop new solutions, both technical and non-technical. One of his technical contributions involved understanding the cellular and molecular defects in interstitial cells of Cajal (ICCs), and enterochromaffin (EC) cells in the pathogenesis of gut motility disorders and diabetes. He characterized gene knockout mice for gut dysmotility and diabetes. On the non-technical side, since Rajan started taking responsibility for his family members very early, he learned how important it is to cooperate and show mutual understanding and respect, which eventually produces stronger relationships. His relationship management skill was reinforced and strengthened through academic/clinical collaborations with fellow researchers. He will discuss the advances in understanding the pathogenesis and therapeutics of Gastroparesis, a disorder of Gut-Brain Interaction. In his role as research professor, he provides his students with skills needed for the modern scientific lab.

Questions?

Please contact Elaine Yamaguchi at eyamaguchi08@gmail.com