

Andrea Fleig (Honolulu, USA)



**THE QUEEN'S
MEDICAL CENTER**

Associate Director of Biomedical Research, Center for Biomedical Research, The Queen's Medical Center, Honolulu, HI, USA.

Her research focuses on cellular signaling events as they relate to health and disease by elucidating ion channel function and its relationship to cell signaling. Mediated by very fruitful national and international collaborations, this work has led to the original identification and biophysical as well as functional characterization of several novel ion channels, including the channel-kinase TRPM7. TRPM7 has been identified as a central mechanism for magnesium homeostasis, and possibly trace metal regulation, in mammals. Her current work has expanded into medical drug development focusing on ion channel targets with the vision to translate her research into patient care.

Contact: afleig@hawaii.edu

Her presentation will provide an overview of our current understanding in regards to proposed magnesiotropic molecular targets.