



QUANTITATIVE AND SYSTEMS BIOLOGY COLLOQUIUM: Roles of CaMKII in neuronal calcium signaling and synaptic plasticity



Roger Colbran
Vanderbilt University

About the Speaker:

After training in the UK, receiving my Ph.D. in Biochemistry from the University of Newcastle upon Tyne, I moved to Vanderbilt University in 1986 for a postdoc. I have risen through the ranks and am now a Professor of Molecular Physiology and Biophysics and an Investigator in the Vanderbilt Brain Institute. I am also currently an Associate Editor for the Journal of Biological Chemistry.

Abstract:

I will review the regulation and role of calcium/calmodulin-dependent protein kinase II (CaMKII) in neuronal calcium signaling and synaptic plasticity. Recent and ongoing studies revealing a novel scaffolding function of activated CaMKII in clustering L-type calcium channels in the neuronal plasma membrane during excitation-transcription coupling will then be presented and discussed.

Date:

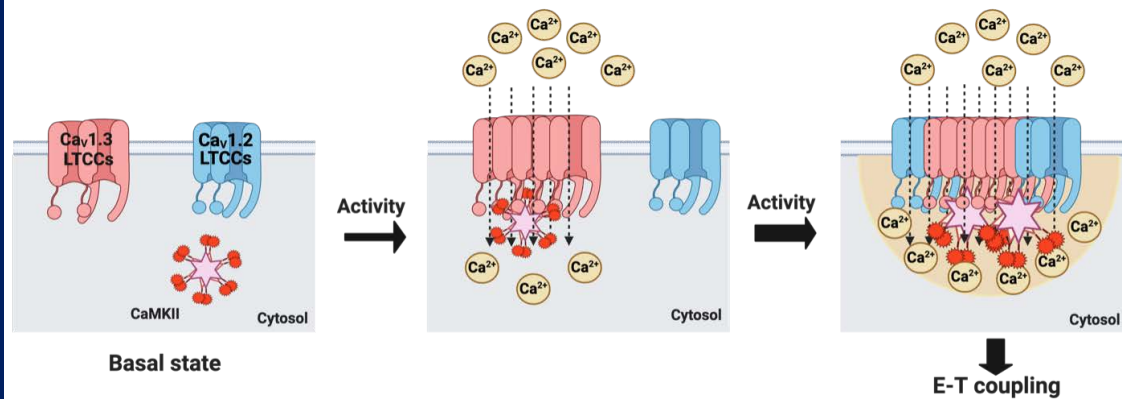
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Time:

12:00 PM - 1:15 PM

Location:

ACS 102C



For more information, contact: Ramendra Saha
rsaha3@ucmerced.edu