



The Department
of Pharmacology

Proudly Presents the
Seminar Series:

Frontiers in Pharmacology

Signaling

Neuroscience

Genomics

Calcium signaling defects in autoimmunity: the ion channel viewpoint

**Laura Conforti, PhD
University of Cincinnati**

Alterations in calcium signaling underlie the hyperactivity of T lymphocytes in the autoimmune disease Systemic Lupus Erythematosus (SLE). Kv1.3 channels play a critical role in the development and persistence of the calcium response of human T lymphocytes to antigen presentation. Recent evidence indicate that the membrane localization of ion channels has an impact on the calcium response and failure of Kv1.3 to localize in specific membrane domains during the T cell activation process contributes to the abnormal calcium signaling of SLE T cells.

Friday, April 23th

10:00 am

GBSF Auditorium

(Rm. # 1005)