

## **Intriguing Links between Developmental and Degenerative Brain Disorders**

Lennart Mucke, MD

*Director, Gladstone Institute of Neurological Disease*

*Professor of Neurology and Neuroscience, University of California, San Francisco*

In this lecture, Professor Mucke will describe molecular and cellular mechanisms that may contribute to the development of neural network dysfunction, cognitive deficits and behavioral abnormalities in diverse brain diseases, ranging from childhood epilepsies and autism spectrum disorders to aging-related dementias such as Alzheimer's disease. He will also discuss how novel mechanistic insights might be translated into better treatments for these challenging conditions.

### *Related References:*

Huang & Mucke (2012) *Cell* 148: 1204–1222

Verret *et al.* (2012) *Cell* 149: 1–14

Gheyara *et al.* (2014) *Ann. Neurol.* 76: 443–456

Palop & Mucke (2016) *Nat. Rev. Neurosci.* 17: 777–792

Vossel *et al.* (2016) *Ann. Neurol.* 80: 858–870

Martinez-Losa *et al.* (2018) *Neuron* 98: 1–15