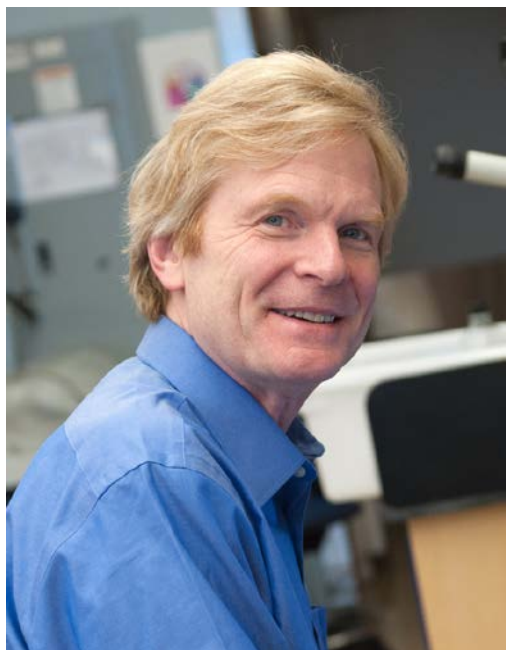


Floyd H. Gilles Lecture in Neuroscience Research

“One Brain, Many Genomes: Somatic Mutation and Genomic Diversity in Human Brain from Birth to Old Age”

Christopher Walsh, MD, PhD

Investigator, Howard Hughes Medical Institute
Chief, Division of Genetics and Genomics,
Boston Children's Hospital
Bullard Professor of Pediatrics and Neurology
Harvard Medical School



Wednesday, April 3, 2019

The Saban Research Building
4661 Sunset Blvd., Los Angeles, CA 90027

- 12-1 p.m. Floyd H. Gilles Lecture in
Neuroscience Research
Auditorium, The Saban Research Building
- 1-2 p.m. Lunch
Anita S. Watson Courtyard,
The Saban Research Building

**Help us save plastic! Bring your own water bottles.
Water will be available to fill your bottles.**

Although it had long been assumed that the genomes of all neurons are identical, recent work has shown that every cell division causes mutations even during normal development, and that postmitotic neurons continue to accumulate mutations throughout life. Clonal somatic mutations create a mosaic brain that in some cases is associated with brain malformations, and autism spectrum disorders, and may underlie other neuropsychiatric diseases. This lecture will discuss mutations that distinguish the genome of one neuron from another in human brain, and the implications for normal brain development, and neurological diseases.

Hosted by Pat Levitt, PhD

Chief Scientific Officer, Vice President, and Director, The Saban Research Institute
Simms/Mann Chair in Developmental Neurogenetics, Children's Hospital Los Angeles
WM Keck Professor in Neurogenetics
Department of Pediatrics
Keck School of Medicine of USC
Editor-in-Chief, Mind, Brain and Education