

The Department of Neurology and The Grossman Institute for Neuroscience, Quantitative Biology and Human Behavior at UChicago Medicine present the **13th annual**

# The Translational Neuroscience of Autism

## 2020 Chicago Symposium on Translational Neuroscience

### Progress in Rare Variant Genetics: Driving the Search for the Pathobiology of Autism Spectrum

**Matthew State MD PhD**

*Oberndorf Family Distinguished Professor & Chair in Psychiatry  
University of California, San Francisco*

### New Genetic Insights into Autism Spectrum Disorders

**Christopher A. Walsh MD PhD**

*Chief of the Division of Genetics and Genomics  
Boston Children's Hospital/HHMI*

### Tackling Genetic Complexity Using Systems Biology and Integrative Genomics in Autism Spectrum Disorder

**Daniel Geschwind MD PhD**

*Gordon & Virginia MacDonald Distinguished Professor of Neurology, Psychiatry and Human Genetics  
Senior Associate Dean and Associate Vice Chancellor for Precision Health  
University of California, Los Angeles*

### Synaptic Genes and Neurodevelopmental Disorders

**Richard L. Huganir PhD**

*Bloomberg Distinguished Professor of Neuroscience and Psychological and Brain Sciences  
The Johns Hopkins School of Medicine*

### Mechanisms of Sensory Circuit Dysfunction in Mouse Autism Models: Implications for Biomarkers and Therapeutics

**Kimberly Huber PhD**

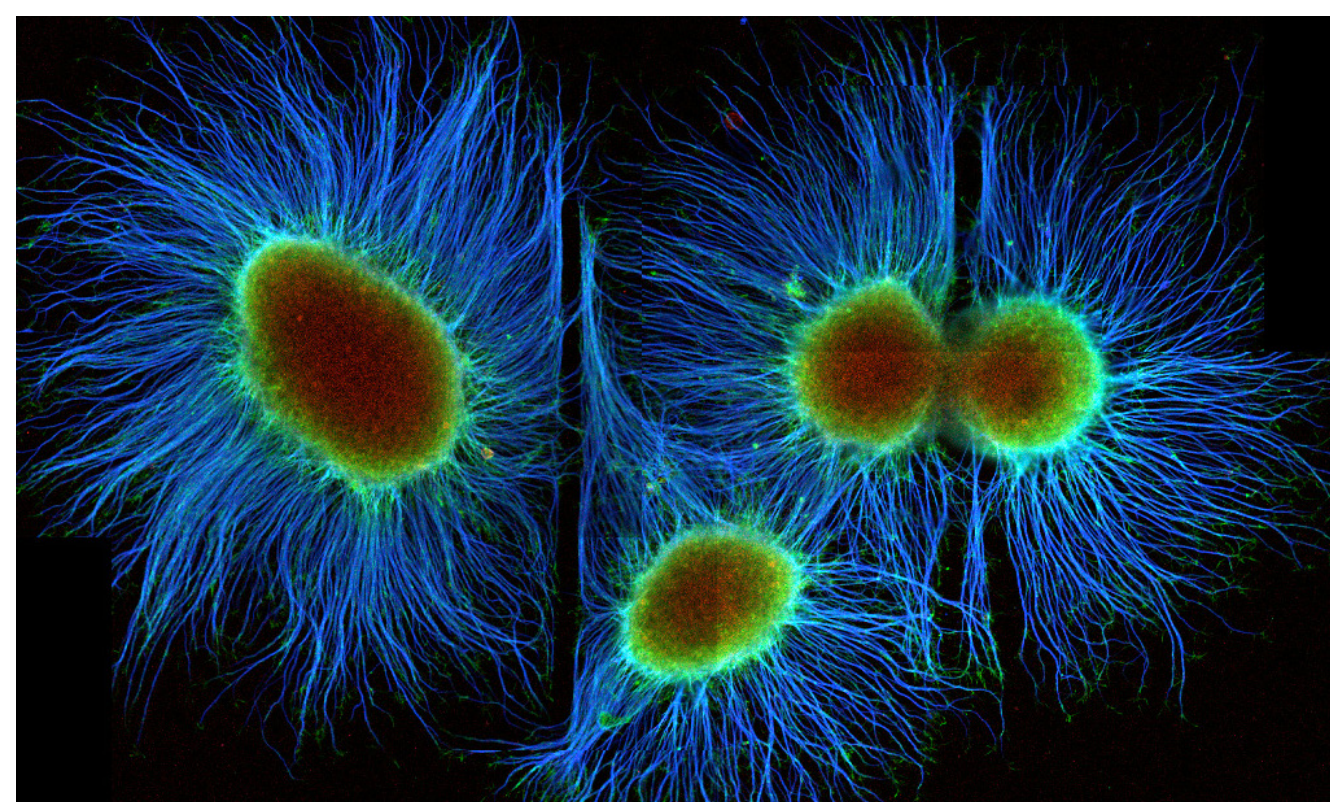
*Professor, Department of Neuroscience  
UT Southwestern*

### Neurexin-1 (NRXN1) Mutations in Autism: Possible Pathogenetic Pathways

**Thomas C. Südhof MD**

**The Eileen S. Trafimow Keynote Speaker**

*Avram Goldstein Professor in the School of Medicine  
Stanford*



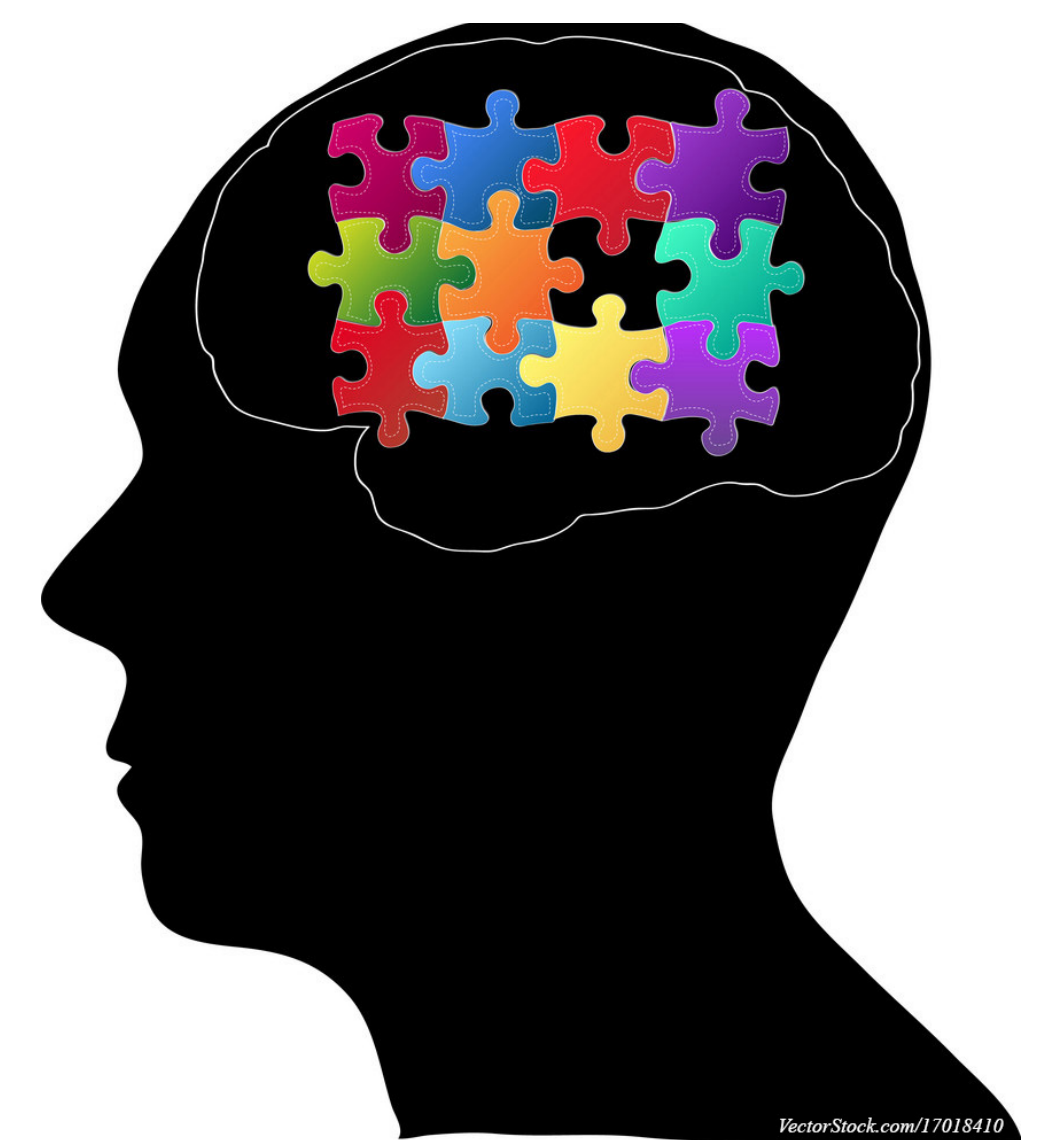
**Oct 2, 2020**

**Knapp Center for Biomedical Discovery**

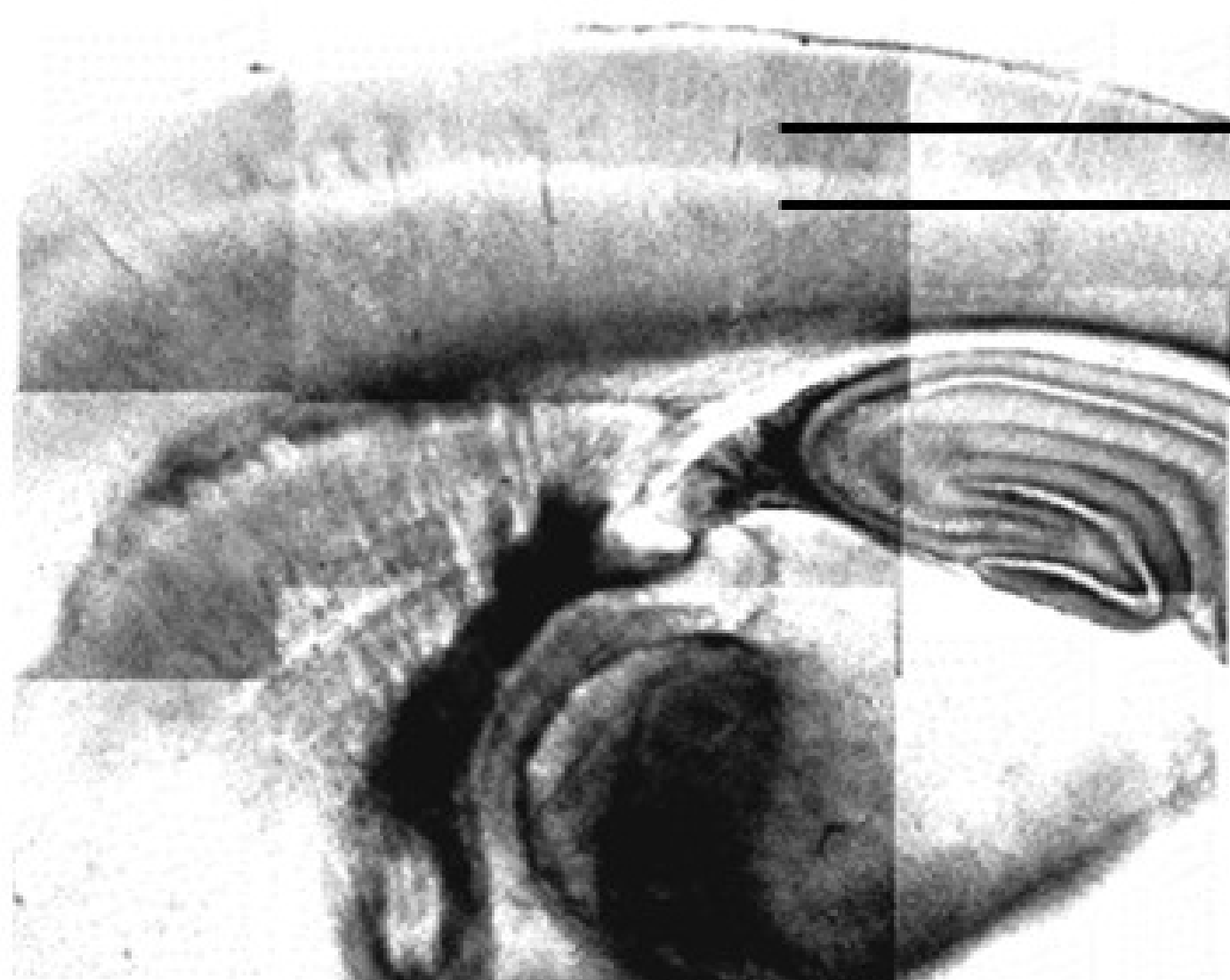
*1st Floor Auditorium (1103)  
900 E. 57th St.*

*Opening Remarks by  
**Kenneth S. Polonsky MD**  
Richard T. Crane Distinguished Service  
Professor, Dean and EVP for  
Medical Affairs  
The University of Chicago*

**9:00 a.m.**



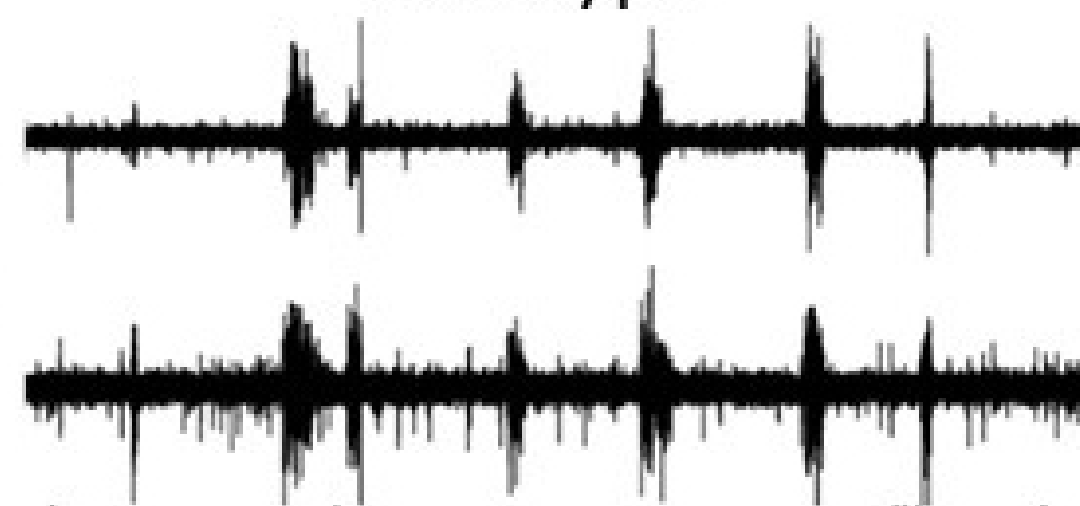
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L4

L5

Wildtype



Fragile X Syndrome



**Steering Committee**

**Christopher M. Gomez MD PhD**

*Albina Y. Surbis Professor  
Department of Neurology  
The University of Chicago*

**Christian Hansel PhD**

*Professor  
Department of Neurobiology  
The University of Chicago*

**Edwin H. Cook Jr. MD**

*Earl M Bane Professor of Psychiatry  
Director, Program for Neurodevelopmental Disorders  
Associate Head for Clinical Affairs  
University of Illinois at Chicago*

**Xiaochang Zhang PhD**

*Assistant Professor, Department of Human Genetics  
Member, the Grossman Institute for Neuroscience,  
Quantitative Biology and Human Behavior  
The University of Chicago*

**Marla Scofield**

*Symposium Administrator  
The University of Chicago*