

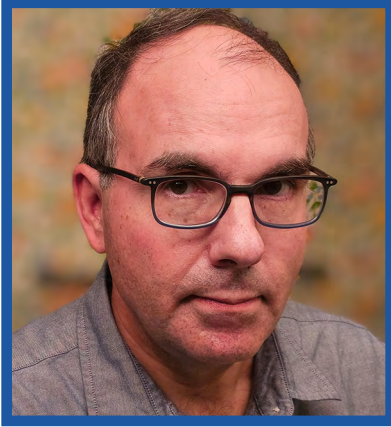
# Disinhibition in the Nervous System

**January 14**

**Tuesday, 12:30 pm**

**Billings Building—Rosedale Room**

**SPEAKER:**



**Juan M. Pascual, M.D., Ph.D.**

*Chutorian Professor and Chief, Division of Child Neurology*

*Professor of Pediatrics, Neurology and Neuroscience*

*Weill Cornell Medicine | NewYork-Presbyterian Hospital*

**Host: Katherine E. Travis, Ph.D.**

For more information contact

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**Publications**

1. *Genetic influences on motor learning and performance and superperforming mutants revealed by random mutational survey of the mouse genome.* Vikram Jakkamsetti, Qian Ma, Gustavo Angulo, William Scudder, Bruce Beutler, Juan M Pascual. PMID: 38299894 PMCID: PMC1142877. DOI: 10.1113/JP285505.

2. *Metabolic modulation of synaptic failure and thalamocortical hypersynchronization with preserved consciousness in Glut1 deficiency.* Karthik Rajasekaran, Qian Ma, Levi B Good, Gauri Kathote, Vikram Jakkamsetti, Peiyang Liu, Adrian Avila, Sharon Primeaux, Julio Enciso Alva, Kia H Markussen, Isaac Marin-Valencia, Deepa Sirsi, Peter M S Hacker, Matthew S Gentry, Jianzhong Su, Hanzhang Lu, Juan M Pascual. PMID: 36197967 PMCID: PMC10276203 DOI: 10.1126/scitranslmed.abn2956.

3. *Brain metabolism modulates neuronal excitability in a mouse model of pyruvate dehydrogenase deficiency.* Vikram Jakkamsetti, Isaac Marin-Valencia, Qian Ma, Levi B Good, Tyler Terrill, Karthik Rajasekaran, Kumar Pichumani, Chalermchai Khemtong, M Ali Hooshyar, Chandrasekhar Sundarajan, Mulchand S Patel, Robert M Bachoo, Craig R Malloy, Juan M Pascual. PMID: 30787166 PMCID: PMC6637765 DOI: 10.1126/scitranslmed.aan0457.



**Clinical Practice**

Dr. Pascual consults on pediatric and adult inpatients and outpatients with particularly complex or severe diseases or with multi-organ disorders. He specializes in genetic and metabolic diseases of the nervous and neuromuscular systems of infants, children and adults with an emphasis on diagnostic problems, second opinions for patients visiting from across the U.S. and abroad, and on clinical trials.

**Research**

As one of few actively practicing pediatric neurologists in the nation who is also a laboratory scientist, his research interests span virtually the entire field of neuroscience, from molecular structure and function (including drug action), neural physiology and metabolism at the cellular, circuit and whole-brain level and neurogenetics. His research has been continuously funded by the National Institutes of Health.

**Outreach and Leadership**

Dr. Pascual has co-authored dozens of scientific, medical and philosophical textbooks and over 100 scientific articles. He is an acclaimed team builder and leads, together with Dr. Roger Rosenberg, a team of 200 international authors responsible for the hallmark textbook Rosenberg's Molecular and Genetic Basis of Neurological and Psychiatric Disease (5th to current 7th edition). His textbook Progressive Brain Disorders in Childhood appeared in 2017. He is working on a new book, provisionally entitled Sense & Nonsense in Medical Neuroscience, to be published by Cambridge University Press. He is a lead principal investigator in the first Team Science initiative funded by the National Institute of Neurological Disorders and Stroke and is expert in clinical program development and institutional transformation. His laboratory is home to scientists and trainees with very diverse expertise, who collaborate with researchers and clinicians located worldwide. At UT Southwestern, he founded a patient-awarded medical program that leveraged an unprecedented number of experts and newly-developed technology in a seamless manner to diagnose and treat patients who had exhausted all other approaches.