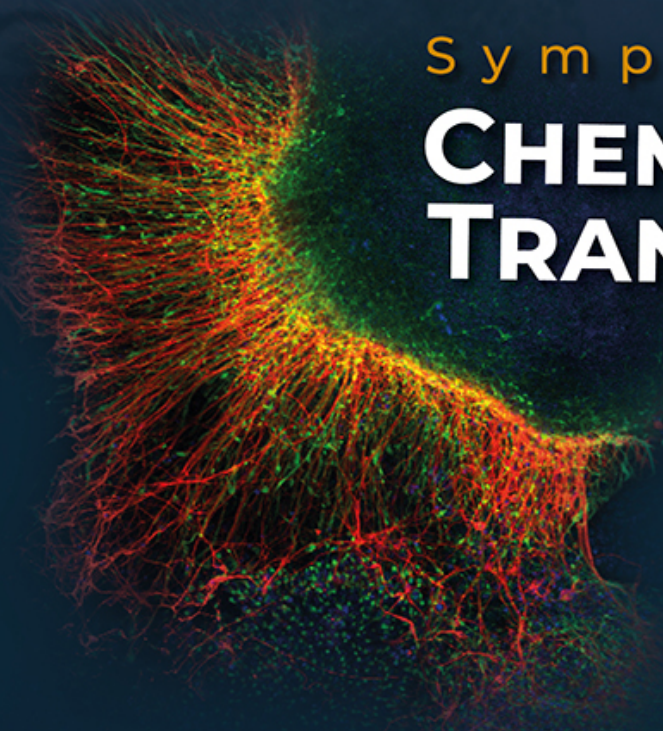
UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO

Facultad de Química ▪ Instituto de Fisiología Celular



Symposium

CHEMICAL TRANSMISSION:

the key to understand brain function

Celebrating the first Ph.D. in Biochemistry of Facultad de Química, UNAM

RICARDO TAPIA

Emeritus Professor

- **DR. CARL W. COTMAN** • University of California Irvine
- **DR. JANG-YEN WU** • Florida Atlantic University
- **DRA. LOURDES MASSIEU** • Instituto de Fisiología Celular, UNAM
- **DRA. LAURA MEDINA-CEJA** • Universidad de Guadalajara, México
- **DRA. CLORINDA ARIAS** • Instituto de Investigaciones Biomédicas, UNAM
- **DR. FERNANDO PEÑA-ORTEGA** • Instituto de Neurobiología, UNAM

PROFESSOR THOMAS C. SÜDHOF

2013 Nobel Laureate in Physiology or Medicine

- **PROFESSOR ARTURO ÁLVAREZ-BUYLLA** • University of California San Francisco
  PREMIO *PRÍNCIPE DE ASTURIAS* 2011
- **DR. JUAN CARLOS CORONA** • Hospital Infantil de México
- **DR. MANUEL COVARRUBIAS** • Thomas Jefferson University
- **DR. LUIS TOVAR Y ROMO** • Instituto de Fisiología Celular, UNAM
- **DR. IVÁN VELASCO** • Instituto de Fisiología Celular, UNAM
- **DRA. HERMINIA PASANTES** • Instituto de Fisiología Celular, UNAM

Instituto de Fisiología Celular, UNAM

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Unam La Universidad de la Nación

ABRIL

Auditorio B Facultad de Química UNAM 9:00 a 14:00 horas

23 ▪ 24

2019

Auditorio *Alfonso Caso* Ciudad Universitaria 9:00 a 18:00 horas

Consulta el programa en:

quimica.unam.mx • ifc.unam.mx

Pre registro • http://inscripciones.quimica.unam.mx/chemical/

Symposium "Chemical transmission: the key to understand brain function"

Celebrating Emeritus Professor Ricardo Tapia, the first Ph.D. in Biochemistry of Facultad de Quimica, Universidad Nacional Autonoma de Mexico (UNAM)

April 23, 2019.
Auditorio B, Facultad de Quimica, UNAM.

9:30 h: Professor Carl W. Cotman, University of California Irvine. "Epigenetic restoration of synaptic plasticity during brain aging and Alzheimer's disease".

10:30 h: Professor Ricardo Tapia, Instituto de Fisiologia Celular, UNAM. **Emeritus Professor at UNAM and Sistema Nacional de Investigadores.** "From GABA to glutamate neurotransmission: excitotoxicity and neurodegeneration".

11:30 h: Coffee break

12:00 h: Professor Thomas C. Südhof, Stanford University. **2013 Nobel Laureate in Physiology or Medicine**. "Deconstructing the molecular logic of synapses".

13:00 h: Roundtable with Professors Cotman, Tapia and Südhof to discuss from a historic perspective how neurotransmitter release was established as the most extended form of brain communication.

April 24, 2019.

Auditorio Alfonso Caso, Circuito Escolar, Ciudad Universitaria, UNAM.

9:00 h: Professor Jang Yen Wu, Florida Atlantic University. "GABA Neurotransmission - A Personal Journey".

10:00 h: Dr. Lourdes Massieu, Instituto de Fisiologia Celular, UNAM. “Unfolded protein response and autophagy during energy stress conditions. Survival responses or cell death signals?”.

10:30 h: Dr. Juan Carlos Corona, Hospital Infantil de México. “Role of mitochondria and oxidative stress in atomoxetine-induced cell damage”.

11:00 h: Coffee break.

11:15 h: Dr. Clorinda Arias, Instituto de Investigaciones Biomedicas, UNAM. "Sixty years of synaptosome research and beyond".

11:45 h: Dr. Fernando Peña-Ortega, Instituto de Neurobiologia, UNAM. “Changes in neural network activity induced by amyloid beta accumulation”.

12:15 h: Dr. Laura Medina-Ceja, Universidad de Guadalajara, Mexico. “Modulation of high frequency oscillations (250-600 Hz) by chemical and electrical synapses: Their relevant role in the epileptogenesis”.

12:45 h: Professor Manuel Covarrubias, Thomas Jefferson University. “Presynaptic regulation of nociception by potassium channel phosphorylation”.

13:45 h: Lunch on your own.

15:30 h: Dr. Luis Tovar y Romo, Instituto de Fisiología Celular, UNAM. "Trophic regulation of neuronal survival".

16:00 h: Dr. Iván Velasco, Instituto de Fisiología Celular, UNAM. “Differentiation of stem cells to dopamine neurons: Relevance for Parkinson disease”.

16:30 h: Professor Arturo Álvarez- Buylla, University of California San Francisco. **Premio Príncipe de Asturias de Investigación Científica y Técnica 2011**. “Young new neurons and the induction of plasticity”.

17:30 h: Emeritus Professor Herminia Pasantes, Instituto de Fisiología Celular, UNAM. “Dr. Ricardo Tapia: scientist, university profesor and my friend (Dr. Ricardo Tapia: el universitario, el científico, el amigo)”.