



The Max Planck Center Seminar Series

Joint seminar of
Laboratory of Neuroscience, Institute of Molecular and Cellular Biosciences
Department of Molecular Immunology, Institute of Industrial Science

Speaker: **Thomas B. Kornberg Ph.D.**
Professor, Faculty
Cardiovascular Research Institute
University of California, San Francisco
CA, USA



Title: **Signaling at a distance: communicating by touch**

*Seminar will be given in English

Date: 13 : 30 ~ 14 : 30, September 21, 2016

Place: Lecture Hall, Faculty of Medicine Bldg 1
The University of Tokyo (Hongo 7-3-1, Bunkyo-ku, Tokyo)

About the Speaker

Dr. Kornberg is one of the most distinguished biologists in the fields of developmental genetics and cell biology. He discovered E. coli DNA polymerases II and III, and his studies established the mechanism of DNA polymerization for chromosomal replication. His investigations into the mechanisms by which cells communicate over long distances led to the discovery of cytonemes, specialized filopodia that transport signaling proteins such as BMPs, FGFs and Hedgehog between cells. Cytonemes extend to make direct contact with their targets and they mediate the exchange of signals at synapses, much as neurons do. Dr. Kornberg is also an accomplished musician. He studied cello with Leonard Rose at the Juilliard School of Music.

UT, Hongo Campus



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