

20th TMIMS

International Symposium

Principles of Neocortical Development and Evolution

2019.7.30 Tue 9:00-18:00

Venue: Tokyo Metropolitan Institute of Medical Science,
Kamikitazawa, Tokyo, Japan

ORGANIZED BY: **CHIAKI OHTAKA-MARUYAMA (TMIMS)**

TADASHI NOMURA (Kyoto Prefectural University of Medicine)

SPEAKERS:

ZOLTAN MOLNAR
(Univ. of Oxford, UK)

LINDA RICHARDS
(Univ. of Queensland, Australia)

FEDERICO CALEGARI
(Technische Univ. of Dresden, Germany)

VICTOR BORRELL
(Univ. of Miguel Hernández, Spain)

PATRICK KANOLD
(Univ. of Maryland, USA)

GENTARO TAGA
(Univ. of Tokyo, JPN)

NOBUHIKO YAMAMOTO
(Osaka Univ., JPN)

KAZUNORI NAKAJIMA
(Keio Univ., JPN)

CARINA HANASHIMA
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The cerebral cortex is responsible for higher brain functions, such as conscious thought and language in humans. In the human neocortex, billions of neurons are precisely arranged in a six-layered structure. The question we ask is "How is this amazing organ developed during embryogenesis and how does it evolve during evolution?" The cerebral cortex structure is formed by the sequential generations of many neurons and their migration towards the brain surface in the limited fetal period. Moreover, accurate axon targeting in the neonatal stage is reproduced reliably during vertebrate development. The aim of this symposium is to deepen our understanding of the principles of cerebral cortex formation and evolution through discussion with scientists from home and abroad.

For information and registration:

[http://www.igakuken.or.jp/public/
international/in-sympo20.html](http://www.igakuken.or.jp/public/international/in-sympo20.html)



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科学研究費助成事業 新学術領域研究(研究領域提案型)
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Interplay of developmental clock and
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