

April 13, 2023

大学院学生各位  
To All Graduate Students

2023 年度  
基盤医学特論開講通知

Information on Special Lecture Tokuron 2023.4-2024.3

Title: Exploring the Complexities of the Mammalian Neocortex: An In-Depth Look at Cellular Diversity, Connectivity, and Function

講師：下郡智美（理化学研究所 脳神経科学研究センター 脳発達分子メカニズム研究チーム チームリーダー）

Teaching Staff: Tomomi SHIMOGORI (Team Leader, Laboratory for Molecular Mechanisms of Brain Development, RIKEN CENTER FOR BRAIN SCIENCE)

日時：2023/04/21 16時00分より（90分）

Time and Date: April 21 (Fri.), 2023 16:00~ (90 minutes)

場所：第一講義室

Room: Lecture Room 1

言語：英語

Language: English

The mammalian neocortex is a complex and highly organized part of the brain responsible for many of the brain's higher cognitive functions. Understanding the cellular diversity, connectivity, and function of the neocortex is critical for understanding how the brain processes and integrates information. This talk will delve into the intricate networks of neurons that make up the neocortex, including the diverse cell types such as pyramidal cells and spiny stellate cells. We will also examine the extensive connectivity within and between different areas of the neocortex, including the formation of cortical columns and functional modules. Finally, we will explore how the unique cellular diversity and connectivity of the neocortex contribute to its overall function in perception.

※関係専門分野・講座等の連絡担当者：分子細胞学 和氣 弘明（内線 2004）

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