

Graduate School
Special Lecture

Online lecture via Zoom

1. Speaker: Associate Professor Eric J. Lang

New York Univ. School of Med., Dept. of Neuroscience and Physiology

2. Title: The Cerebellum and Its Role in Timing

3. Time: Tuesday April 27, 2021; 10:00 - 12:00

4. Abstract: In this lecture we will discuss changing concepts of cerebellar organization and function. We will begin with reviews of the main cerebellar circuits and the basic flow of activity into and out of the cerebellum, how the cerebellum connects with other brain regions, and how the conception of this connectivity has changed. Next we will discuss the role of the cerebellum in motor coordination. In particular, we will focus on how cerebellar activity relates to the timing of motor commands. We will then discuss how cerebellar output is generated to allow the proper timing of movements. In particular, we will discuss the possibility that the activity of the olivocerebellar system may be a major controller of cerebellar output because of its ability to be synchronized, and that in addition, this ability may relate to its role in controlling plasticity within the cerebellum.

Contact Dr. Izumi Sugihara for the Zoom address

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大学院特別講義

(医歯学先端研究特論) (生命理工学先端研究特論)
(生命理工医療科学先端研究特論) (医歯理工学先端研究特論)

Zoom によるオンライン講義

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1. 講師 : **Associate Professor Eric J. Lang**
New York Univ. School of Med., Dept. of Neuroscience and Physiology
2. 演題 : **The Cerebellum and Its Role in Timing**
3. 日時 : 2021 年 4 月 27 日 (火) 10 時 00 分～12 時 00 分
4. 要旨 : In this lecture we will discuss changing concepts of cerebellar organization and function. We will begin with reviews of the main cerebellar circuits and the basic flow of activity into and out of the cerebellum, how the cerebellum connects with other brain regions, and how the conception of this connectivity has changed. Next we will discuss the role of the cerebellum in motor coordination. In particular, we will focus on how cerebellar activity relates to the timing of motor commands. We will then discuss how cerebellar output is generated to allow the proper timing of movements. In particular, we will discuss the possibility that the activity of the olivocerebellar system may be a major controller of cerebellar output because of its ability to be synchronized, and that in addition, this ability may relate to its role in controlling plasticity within the cerebellum.

受講ご希望の方は、下記までご連絡下さい

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