

Unit Name

Neuronal Mechanism for Critical Period Unit

Collaborations

Takao Hensch, Harvard University / WPI-IRC, the University of Tokyo, USA / Japan, Regulation of the timing critical period by neuronal inhibitory function development

Sarah Woolley, Jon Sakata, McGill University, Canada, Innate restriction in bird song learning

Luke Ramegy-Healry, U Mass Amherst, USA, GABA inhibitory control of auditory activity in zebra finch higher auditory cortical neurons

Research Personnel

Ibrahim Alsolami, Postdoctoral Scholar

Joanna Komorowska-Mueller, Postdoctoral Scholar

Mst Ruksana Yesmin, Postdoctoral Scholar

Yuichi Morohashi, Research Unit Technician

Jinyunqian Niu, Research Unit Technician

Fang Liang Chu, Research Unit Technician

Kaouthar Samarat, Research Unit Technician

Chie Edwards, Admin

Kaoru Shima, Admin

Natsuki Okawa, Admin

Yung-Chieh Liu, PhD Student

Khelil Ameyes Bensalah, PhD Student

Elie Charles Claude Bres, Research Intern

Manami Hara, Research Intern

Scholarly Contributions and Creative Productions (by Faculty)

Journal Article

1. Yazaki-Sugiyama, Yoko. 2024a. "Transient Sensorimotor Projections in the Developmental Song Learning Period." *Cell Reports*, May.
2. Yazaki-Sugiyama, Yoko. 2024b. "Tutor Auditory Memory for Guiding Sensorimotor Learning in Birdsong." *Frontiers in Neural Circuits*, July.

Scholarly Contributions (by Unit Members)

Name of Unit Member	Type	Title	Outlet
Khelil Ameyes Bensalah	Poster Presentation at Conference	Noradrenergic Neuronal Modulation in the Higher Auditory Cortex Shapes the Time Window of the Zebra Finch Song Learning Critical Period	Japan NEURO 2024
Fang Liang Chu	Poster Presentation at Conference	Transformative Research Area (A) Emergence of Brain Functions from the Dynamic Connectome	Kakenhi meeting 2024
Joanna Komorowska-Mueller	Poster Presentation at Conference	1. DYNAMIC CORTICAL AUDITORY-MOTOR NEURONAL PROJECTIONS REGULATE DEVELOPMENTAL SONG LEARNING IN ZEBRA FINCHES	FENS Forum, Vienna, Austria
Khelil Ameyes Bensalah	Presentation at Conference	Noradrenergic Neuronal Modulation in the Higher Auditory Cortex Shapes the Time Window of the Zebra Finch Song Learning Critical Period	Kakenhi meeting 2024

Honors, Awards & Fellowships

2025-03-06 - Ongoing Tsukahara Award, 塚原賞, 2024

Honors, Awards & Fellowships (only by unit members)

2024-12-24 Joanna Komorowska-Müller, Best Presentation Award, ベストプレゼンテーションアワード, 2024, Transformative Research Area (A) "Emergence of Brain Functions from Dynamic Connectome", N/A