

# **Neuroscience SNS/University of Tokyo- IRCN**

**Tuesday, 17 December 2024 - Tuesday, 17 December 2024**

**Scuola Normale Superiore**

## **Scientific Programme**

## ***Roots of Neurodiversity***

Scuola Normale Superiore Sala Azzurra 17.December 2024  
9:00 am ~ 6:00 pm Pisa, ITALY

### **plasticity & perception**

9.00-9.30 Tommaso Pizzorusso (Scuola Normale Superiore)  
"Brain wide approaches to neuroplasticity and behavior"

9.30-10.05 Takao Hensch (BCH / IRCN)  
"Unlocking critical periods"

10.05-10.30 MOU Signing/photo/coffee break

10.30-11.00 Paola Binda (University of Pisa)  
"Plasticity of the adult visual brain: studies in humans"

11.00-11.30 Kenichi Ohki (UTokyo IRCN)  
"Development of cortical-cortical connections in the visual system"

11.30-12.00 Davide Bottari (IMT Lucca)  
"Experience-dependent plasticity in typical and atypical developmental trajectories"

12.00-13.30 Lunch

### **interoception & computation**

13.30-14.00 Paola Tognini (Scuola Superiore Sant' Anna)  
"Mechanisms underlying the effects of nutritional challenges on brain function and behavior"

14.00-14.30 Yukie Nagai (UTokyo IRCN)  
"Exploring Neurodiverse Minds through Embodied Predictive Processing"

14.30-15.00 Eleonora Russo (Scuola Superiore Sant' Anna)  
"Uncovering Hidden Regularities: Unsupervised Approaches to the Discovery of Neuronal Latent States and Dynamics"

15.00-15.20 coffee break

### **novel etiologies & treatment**

15.20-15.50 Kazuo Emoto (UTokyo IRCN)  
“Presynaptic Ube3a eliminates developing synapses”

15.50-16.20 Laura Baroncelli (CNR)  
“Creatine Transporter Deficiency: Navigating the Path to Effective Therapy”

16.20-16.50 Takamitsu Watanabe (UTokyo IRCN)  
“Diversity of brain dynamics”

16.50-17.00 Concluding remarks