

# Roots of Neurodiversity

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

web site for registration and  
abstract submission:

<https://indico.sns.it/event/80/>

<plasticity & perception>

Tommaso Pizzorusso (S Normale)  
Takao Hensch (BCH / IRCN)  
Paola Binda (U Pisa)  
Kenichi Ohki (UTokyo IRCN)  
Davide Bottari (IMT Lucca)

<interoception & computation>

Paola Tognini (S Sant' Anna)  
Yukie Nagai (UTokyo IRCN)  
Eleonora Russo (S Sant' Anna)

<novel etiologies & treatment>

Kazuo Emoto (UTokyo IRCN)  
Laura Baroncelli (CNR)

poster session

Takamitsu Watanabe (UTokyo IRCN)



**IRCN**  
International Research Center for Neurointelligence

Bio@SNS



SCUOLA  
NORMALE  
SUPERIORE



Consiglio Nazionale delle Ricerche  
ISTITUTO DI NEUROSCIENZE



iPlasticity



Boston  
Children's  
Hospital

AM	speaker	PM	speaker
	<plasticity & perception> M Fagiolini		<interoception & computation> T Pizzorusso
9:00-9:30	<b>Tommaso Pizzorusso (S Normale)</b> “Brain wide approaches to neuroplasticity and behavior”	13:30-14:00	<b>Paola Tognini (S Sant’ Anna)</b> “Mechanisms underlying the effects of nutritional challenges on brain function and behavior”
9:30-10:05	<b>Takao Hensch (BCH / IRCN)</b> “Unlocking critical periods”	14:00-14:30	<b>Yukie Nagai (UTokyo IRCN)</b> “Exploring Neurodiverse Minds through Embodied Predictive Processing”
10:05-10:30	MOU signing / photo	14:30-15:00	<b>Eleonora Russo (S Sant’ Anna)</b> “Uncovering Hidden Regularities: Unsupervised Approaches to the Discovery of Neuronal Latent States and Dynamics”
	coffee break	15:00-15:20	coffee break
10:30-11:00	<b>Paola Binda (U Pisa)</b> “Plasticity of the adult visual brain: studies in humans”		<novel etiologies & treatment> T Hensch
11:00-11:30	<b>Kenichi Ohki (UTokyo IRCN)</b> “Development of cortical-cortical connections in the visual system”	15:20-15:50	<b>Kazuo Emoto (UTokyo IRCN)</b> “Presynaptic Ube3a eliminates developing synapses”
11:30-12:00	<b>Davide Bottari (IMT Lucca)</b> “Experience-dependent plasticity in typical and atypical developmental trajectories”	15:50-16:20	<b>Laura Baroncelli (Inst Neurosci CNR)</b> “Creatine Transporter Deficiency: Navigating the Path to Effective Therapy”
12:00-13:30	Lunch	16:20-16:50	<b>Takamitsu Watanabe (UTokyo IRCN)</b> “Diversity of brain dynamics”
	poster session	16:50-17:00	closing remarks