

National Eye Institute Visual NeuroPlasticity Workshop

Date: January 10, 2024

Time: 10:00 am to 4:00 pm ET

Location: The workshop will be virtual, and is free to attend

Event Information & Registration: <https://go.nih.gov/NEIVisualNeuroPlasticity>



Contact & Accommodations:

This meeting will be live captioned. For questions or other reasonable accommodations to participate, please contact Alicia Kerr (alicia.kerr@nih.gov) at least 72 hours prior to the event.

Sessions, Topics and Speakers:

Session 1: Cortical cellular mechanisms

Lindsey Glickfeld, Chair

Ocular dominance plasticity, **Betsy Quinlan**
Ensemble formation through intrinsic plasticity, **Rafa Yuste**
Neuronal tuning via diverse synaptic inputs, **David Fitzpatrick**

Session 3: Subcortical mechanisms

JC Cang, Chair

Sensory plasticity beyond the critical period, **Hey-Kyoung Lee**
Synaptic tuning in visual thalamus, **Chinfei Chen**
Experience-dependence in superior colliculus, **Jennifer Hoy**

Session 2: Functional reorganization

Marlene Behrmann, Chair

Neural adaptations in visual impairment, **Ione Fine**
Perceptual development in sight recovery, **Pawan Sinha**
Oculomotor rehabilitation, **Tara Alvarez**

Session 4: Retinal remodeling

Alapakkam Sampath, Chair

Cellular responses to photoreceptor degeneration, **Bryan Jones**
Adaptive compensatory mechanisms, **Greg Field**
Preservation of function, **Daniel Kerschensteiner**
Astrocytes in synapse formation and maintenance, **Cagla Eroglu**

