

# Emerging Concept of the Neuronal Cytoskeleton 2025

Tentative Program.

April 7	12.00-4.00 pm	<b>Registration</b>	
	1.00-3.00 pm	<i>Buffet Lunch</i>	
	3.00-4.30 pm	Hotel Check in / Free Time	
	4.45 pm	<b>Opening Remarks</b>	Monica Souza, Cassandra Ori-McKenney, Tomas Falzone.
	5.00-6.30 pm	<b>Session1. Emerging technologies to study the neuronal cytoskeleton (Chair Monica Sousa)</b>	
		<b>Ilaria Testa</b>	Next generation nanoscopy
		<b>Naoko Mizuno</b>	Cryo-electron tomography to study axon branch formation
		<b>Andrew Carter</b>	Molecular motors analysed by electron cryo-microscopy
		<b>Christophe Leterrier</b>	Single-molecule localization microscopy of the axonal cytoskeleton
	6.30-7.00 pm	<i>Break</i>	
	7.00-8.00 pm	<b>Keynote Speaker. (Chair Cassandra Ori-McKenney)</b>	
	<b>Jennifer Lippincott-Schwartz</b>	TBA	
8.15 pm	<i>Buffet Dinner</i>		
April 8	8.45-10.45 am	<b>Session 2. Neuronal development and polarization (Chair Tomas Falzone)</b>	
		<b>Elias Spiliotis</b>	Septins and asymmetric shape development in neurons
		<b>Stephanie Gupton</b>	Ubiquitin ligases in axon guidance and branching
		<b>Tiago Dantas</b>	Ciliary-dependent signaling in neural stem cells during brain development
		<b>Torrejon Marcela</b>	Neural crest cell polarity during migration
		<i>1 or 2 abstracts selected</i>	
	10.45-11.15 am	<i>Coffe Break</i>	
	11.15 - 1.15 pm	<b>Session 3. Neuronal Microtubules (Chair Christian Gonzalez-Billaud)</b>	
		<b>Paul Conduit</b>	Regulation of microtubule formation and polarity in neurons
		<b>Magda Magiera</b>	Regulation of the microtubule cytoskeleton by posttranslational modifications
		<b>Zdenek Lansky</b>	Molecular mechanisms underlying self-assembly and remodeling of the neuronal cytoskeleton
		<b>Charlotte Aumeier</b>	Dynamic properties of the cellular microtubule network
		<i>1 extra- abstracts selected</i>	
	1.15-2.30 pm	<i>Buffet Lunch</i>	
	2.30-5.30 pm	<i>Free Time</i>	
5.00-8.00pm	<b>Poster Session 1</b>		
8.00 pm	<i>Buffet Dinner</i>		
April 9	8.45-10.45 am	<b>Session 4. Trafficking (Chair Stephanie Gupton)</b>	
		<b>Subhojit Roy</b>	Slow axonal transport
		<b>Katie Drerup</b>	Mechanisms and function of mitochondrial transport in neurons
		<b>Alessio Vagnoni</b>	Intracellular trafficking and neuronal function in ageing
		<b>Juan Bonifacino</b>	Signals and adaptor proteins mediating protein sorting to endosomes and lysosomes
		<i>1 or 2 abstracts selected</i>	

	10.45-11.15 am	<i>Coffe Break</i>		
	<b>11.15 - 1.15 pm</b>	<b>Session 5. Cytoskeleton in neuronal pathology (Chair Jonathon Howard)</b>		
		<b>Francesca Bartolini</b>	Microtubule stability and tubulin post-translational modifications in neurodegeneration	
		<b>Bonnie Firestein</b>	The role of cypin in the promotion of recovery after CNS injury	
		<b>Elena Avale</b>	Microtubule associated protein Tau in neuronal physiology and pathology	
		<b>Shermali Gunawardena</b>	Hungtintin in endosomal transport and mitochondrial fragmentation during axonal injury	
		<i>1 or 2 abstracts selected</i>		
	1.15-2.30 pm	<i>Buffet Lunch</i>		
	2.30-5.30 pm	<i>Free Time</i>		
	<b>5.30-8.30 pm</b>	<b>Poster Session 2</b>		
	8.00 pm	<i>Buffet Dinner</i>		
<b>April 10</b>	<b>8.45-10.45 am</b>	<b>Session 6. Sorting, Signaling and Local Translation (Chair Subhojit Roy)</b>		
		<b>Giampietro Schiavo</b>	Sorting mechanisms in retrograde transport	
		<b>Nara Muraro</b>	Structural plasticity in Drosophila clock neurons	
		<b>Fernanda Ledda</b>	BDNF signalling in synaptic platicity	
		<b>Maria Paz Marzolo</b>	Export pathways and endosomal traficking in disease	
		<i>1 or 2 abstracts selected</i>		
	10.45-11.15 am	<i>Coffe Break</i>		
	<b>11.15 - 1.15 pm</b>	<b>Session 7. Mechanobiology in Neurons (Chair Carlos Wilson)</b>		
		<b>Jonathon Howard</b>	Mechanical properties of motor proteins and the cytoskeleton	
		<b>Pramod Pullarkat</b>	The role of mechanics in axonal stability and development	
		<b>Kristian Franze</b>	Celullar forces in neuronal development	
		<i>1 or 2 abstracts selected</i>		
	1.15-2.30 pm	<i>Buffet Lunch</i>		
	2.30-5.30 pm	<i>Free Time</i>		
	<b>5.30-7.30 pm</b>	<b>Session 8. New and Notable (Chair Christophe Leterrier)</b>		
		<b>Amélie Freal</b>	How neurons maintain the correct balance of activity in neuronal networks	
		<b>Carlos Wilson</b>	Axo-dendritic specification	
		<b>Alison Twelvetrees</b>	The lifecycle of the neuronal microtubule transport machinery	
		<i>1 or 2 abstracts selected</i>		
	<b>7.30-8.00 pm</b>	<b>Business Meeting</b>		
	8.00 pm	<i>Buffet Dinner</i>		

<b>April 11</b>	7.30-8.00 am	<i>Buffet Breakfast and Departure</i>
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