

Day 1 - September 23	12:30 - 13:00	Welcome & introduction
	Session 1 - Human-machine interface and human movement	
	13:00 - 13:45	Aymar de Rugy (Université de Bordeaux) <i>Hybrid sensorimotor control of a prosthetic arm</i>
	13:45 - 14:10	Selected talk 1: Julian Kulozik (Sorbonne Université) <i>Compensation Effect Amplification Control (CEAC): A versatile movement-based approach for coordinated position and velocity control of intermediate joints of upper-limb prostheses</i>
	14:10 - 14:35	Selected talk 2: Veronique Marchand-Pauvert (Sorbonne Université) <i>Functional brain – spinal cord MRI: a new window to assess functional connectivity within the sensorimotor network in humans</i>
	14:35 - 15:00	Coffee break
	Session 2 - Integrative neuroscience in animal models	
	15:00 - 15:45	Antonio Carlos Costa (Institut du Cerveau) <i>Quantifying motor strategies and variability in navigation</i>
	15:45 - 16:10	Selected talk 3: Elias Lunsford (Institut du Cerveau) <i>Spatio-directional cues are egocentrically organized in hindbrain nuclei that innervate motor command neurons responsible for turning and forward locomotion</i>
	16:10 - 16:35	Selected talk 4: Alexis d’Humières (Université Paris-Saclay) <i>From whole body to unitary movements during orientation: neuronal diversity within brainstem V2a neurons</i>
	16:35 - 17:00	Selected talk 5: Charlotte Bichara (Université de Strasbourg) <i>Unravelling Corticospinal Contributions to Locomotion</i>
	17:00 - 19:00	Posters & networking session

Day 2 - September 24	Session 3 - Human-machine interface and human movement	
	09:00 - 09:45	Anne-Marie Heugas (Université Paris-Saclay) <i>Influence of metabolic energy efficiency on the spatiotemporal characteristics of race walking</i>
	09:45 - 10:10	Selected talk 6: Jozina B. De Graaf (Aix Marseille Université) <i>Phantom phenomena for the control of limb prostheses</i>
	10:10 - 10:35	Selected talk 7: Martina Bracco (Institut du Cerveau) <i>Cerebellar-Cortical Beta Oscillations Emerge as a Predictive Signal Facilitating Behavioral Stability</i>
	10:35 - 11:00	Coffee break
	Session 4 - Integrative neuroscience in animal models	
	11:00 - 11:45	Sarah Mondolini (Université de Lausanne) <i>Serotonin release in the habenula during emotional contagion promotes resilience</i>
	11:45 - 12:10	Selected talk 8: Brice De La Crompe (Université de Bordeaux) <i>Using open-resources to explore the role of the premotor cortex in optimizing flexible behaviour</i>
	12:10 - 14:00	Lunch & poster session