Computing for health care

RESEACH DAY 2025, Section of Medicine

14.3.2025, Salle Jean-Bernard, Hospital of Fribourg, 1752 Villars-sur-Glâne

09:00	Poster hanging and viewing (Salle Mont-Banc, HFR)	
10:00 - 10 :10	Welcome	Alessandra Curioni (UniFR and HFR)
10:05 - 11:00	Computing with Words and Perceptions	Edy Portmann (UniFR)
11:00 - 11:30	Current applications of AI in Radiology	Lucien Widmer (HFR)
11:30 - 12:00	**Poster flash talks**	
	Computational high-dimensional analysis revealed circulating predictive and prognostic biomarkers in patients with advanced non-small cell lung cancer	Rigutto A. (UniFr and HFR)
	Effect of Cardiac health status in the composition and secretome of therapeutic cells isolated from bone marrow	Ahmed S. (UniFR)
	Modulation of mithophagy by acorn cupule extract in Parkinson's disease models	Dominguez-Rojo N. (UniFR)
	A Minimal Restraint Approach to Train Macaques on Visual Tasks and Measure Eye Movements	Greilsamer J. (UniFR)
	Early Auditory Processing Impairments in Down Syndrome Rat Mode	Caramellino R. (UniFR)
	A novel cell-based bioassay to study variations of sex Development	Läderach L. (UniFR)
	CD8+ T cell dissemination and surveillance into non-lymphoid tissues requires the actin regulator WASp	Sanchez-Luquin S. (UniFR)
12:00 - 13:30	LUNCH AND POSTER SESSION	

13:30 - 14:30	**Short talks (selected from abstracts)**	
13:30 – 13:45	*3D Modeling to predict vascular involvement in resectable pancreatic cancer*	Sguinzi G.R. (HFR)
13:45 – 14:00	*Neuronal control of Female Copulation Song*	Panariello V. (UniFR)
14:00 – 14:15	*Motion Perception and Eye Movements Predict Reading Readiness Based on Evidence from Pre-Readers in an Action Video Game Task*	Chamani N. (UniFR)
14:15 – 14:30	*A multi-omics approach to elucidate potential biomarkers for improved treatment approaches for malignant pleural mesothelioma*	Heeb L. (UniFR)
14:30 - 15:00	Discovering new players in lipid and cellular metabolism with AI and physics-based molecular simulations	Stefano Vanni (UniFR)
15:00-15:30	COFFEE BREAK	
15:30 - 16:00	Breaking Data Silos: Multiomics for Clinical Decision Support	Daniel Stekhoven (ETH Zurich)
16:00	Prize award: Best short talk and best poster	Anna Lauber (UniFR)