

## SYMPOSIUM: NOVEL IMAGING TECHNIQUES IN THE FIELD OF OPHTHALMOLOGY AND MR-EYE

**08:30-09:00**

WELCOME COFFEE

**09:00-09:35**

WELCOME MESSAGES

- 09:00-09:10: Gaëtan Cherix / Director, School of Engineering
- 09:10-09:20: Olivier Lorentz / Director, The Sense
- 09:20-09:35: Prof. Benedetta Franceschiello / HEI / Introduction to the symposium: Novel Imaging techniques in MR-Eye and Vision

**09:35-12:35**

PRESENTATIONS (15 minutes + 5' Q&A)

- 09:35-09:55: Mélanie Bœuf / FA2 - Motility exam and ocular movements
- 09:55-10:15: Fatima Anaflous / FA2 - Low vision and eye movement
- 10:15-10:35: Dr. Aleksandra Eberhard-Moscicka / UNI BE - Visuospatial Attention: Insights from health and pathology

**10:35-10:55: COFFEE BREAK**

- 10:55-11:15: Prof. Philippe Potty / HE Arc - From Basics to Application: Advanced Electrooculography for Eye Tracking in MRI
- 11:15-11:35: Prof. Laura Raileanu / HEIG-VD - MREye-Track - Applying Machine Learning to Extract Eye Movement Trajectories from MRI Data
- 11:35-11:55: Dr. Meritxell Bach Cuadra / CHUV-UNIL, CIBM - A-Eye Vision: Segmentation Techniques in Eye MRI Analysis
- 11:55-12:15: Prof. Jessica Bastiaansen / UNI BE - Looking at fat with different eyes
- 12:15-12:35: Dr. Eline De Clerck/ HUG - Repeatability and reproducibility of oct and oct-a : Swiss ophthalmic imaging network

**12:35-13:45**

LUNCH BREAK & NETWORKING

Free Vegetarian Buffet

**13:45-16:00**

POSTER SESSION

- 13:45-15:00: Poster presentations
- 15:00-15:30: Deliberations of the panel
- 15:30-16:00: Poster prize