



## SCIENTIFIC PROGRAM - June 24<sup>th</sup> 2024

9 am **WELCOMING OF PARTICIPANTS**

9.15 am **INTRODUCTION**

9.30 am **SESSION 1**

- **A. Borgkvist** (Stockholm, Sweden) Changes in SNR dynamics in Parkinson's disease.
- **A. Ricci** (Uppsala, Sweden) A role for the subthalamic nucleus, but not the para-subthalamic nucleus in aversive learning

*Selected short talks:*

- **J. Alegre-Cortes** (Alicante, Spain) A computational model for slow wave oscillation propagation across cortical and striatal networks
- **F. Ducrocq** (Utrecht, The Netherlands) Reduced local GABA transmission onto ventral tegmental area dopamine neurons underlies vulnerability for hyperactivity in a mouse model of anorexia nervosa

11.00 am **COFFEE BREAK**

11.30 am **KEYNOTE LECTURE**

**Camilla Bellone** (University of Geneva, Switzerland) Circuit mechanisms underlying social interaction

12.30 am **LUNCH BREAK**

1.00 am **POSTER SESSION**

2.30 pm **SESSION 2**

- **E. Fino** (Marseille, France) Cell-specific inhibitory control of learning and associated striatal representations
- **J. Crittenden** (Boston, USA) A parallel circuit model unifies striatal output pathways

*Selected short talks:*

- **J. Bahuguna** (Pittsburgh, USA) How cortico-basal ganglia subnetworks shift decision policies to maximize reward rate?
- **M. Simic** (Bordeaux, France) How value representations are distributed along the primate basal ganglia circuits during decision-making?

4.15 pm **COFFEE BREAK**

4.15 pm **SESSION 3**

- **J. Hellgren Kotaleski** (Stockholm, Sweden) Computational models of the basal ganglia
- **A. Leblois** (Bordeaux, France) How dopamine-dependent plasticity and attractor dynamics drive movement adaptation in the basal ganglia-thalamo-cortical loop

*Selected short talks:*

- **M. Labouesse** (New York, USA) Bridging collaterals act in concert with the canonical basal ganglia direct pathway to support motor control
- **V. Millasseau** (Grenoble, France) The pyruvate dehydrogenase as a new potential therapeutic target in Parkinson's disease pathophysiology

5.45 pm **CONCLUDING REMARKS**

**REGISTRATION HERE: <https://framaforms.org/fens-satellite-basal-ganglia-meeting-1706692244>**

**Deadline for registration and poster submission: May31st 2024**

### Organizing Committee

CGB (french basal ganglia society)  
E. Burguière, E. Fino, C. Bosch-Bouju  
SWEBAGS (swedish basal ganglia society)  
G. Silberberg, J. Hellgren-Kotaleski

### Venue

Boku University  
Festsaal in Gregor-Mendel Haus  
Gregor-Mendel-Str. 33, 1180  
Vienna, Austria