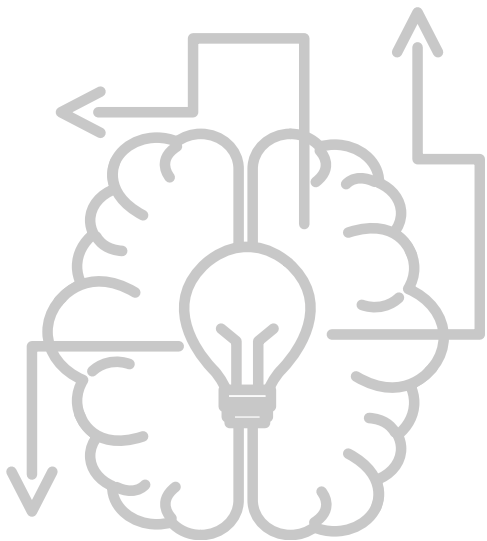



DOCTORAL STUDENT DAY 2021



JANUARY 28TH, 2021


1:30 PM to 6:15 PM
online,  *CIMeC Virtual*

SCHEDULE

1 .30 pm - **Opening** 

2 .00 pm - **Selected PhD Talks** 

- *The connectivity fingerprints of the frontal-eye fields and the inferior frontal junction* – Marco **Bedini**
- *The impact of artifact removal methods on TMS-EEG signal* – Giacomo **Bertazzoli**
- *Neurophysiological correlates of language recovery after tDCS in aphasic patients* – Mădălina **Bucur**

3 .00 pm - **Poster time!** 

5 .15 pm - **Plenary talks** 

Malvina Nissim

4x4: Four principles to make the best of your four PhD years

Elisa Frasnelli

From Now to Your Professional Future: controlling variables for creating opportunities

6 .00 pm - **Awards announcement and closing** 

POSTERS

36th cycle

- (1) Elena **Eccher** - *Approximate Number System and Number Space Association in human newborns*
- (2) Filippo **Michelon** - *Cellular and circuit mechanisms underlying olfactory engagement*
- (3) Siavosh **Sepanta** - *Are you happy or content(o)?*
- (4) Riccardo **Tambone** - *The role of the Perirhinal Cortex in associative learning*

35th cycle

- (5) Maria **Bortot** - *Transfer from number to size reveals abstract coding of magnitude in honeybees*
- (6) Cristina **Cara** - *The roots of Dyslexia: a review on language development in the foetal brain*
- (7) Giuliano **Giari** - *Steady-state modulation of hexadirectional signal*
- (8) Lara **Fontana** - *Odour Imagery Habituation*
- (9) Ilaria **Schiona** - *The role of the zebrafish telencephalic areas in the response to change of visual numerical stimuli*
- (10) Federica **Sigismondi** - *Evidence of Grid-like coding in humans' Entorhinal Cortex during haptic spatial navigation*

34th cycle

- (11) Luigi **Balasco** - *Behavioral and functional sensory deficits in Shank3b mice, a genetic model of autism spectrum disorders*
- (12) Arianna **Brancaccio** - *Chunking in a working memory task - Towards a better operationalization of chunking*
- (13) Velu Prabhakar **Kumaravel** - *NEAR – An Automated Pipeline for Neonatal EEG Artifacts Removal*

33rd cycle

- (14) Bastien **Lemaire** - *No evidence of spontaneous preference for slowly moving objects in visually naïve chicks*

SESSION ONE
3.00 PM

POSTERS

36th cycle

- (1) Viktoriya **Kuryla** - *The role of body-object interaction in object vision: comparing the artificial and biological brain*
- (2) Jayro **Martinez Cervero** - *Spatial coupling effect in amputees with phantom limb movement*

35th cycle

- (3) Dalila **Albergo** - *Spatio-Temporal Dynamics of Intention Reading from Movement Kinematics: a MEG study*
- (4) Gabriele **Amorosino** - *Unilateral Spatial Neglect Recovery After Glioblastoma Resection: A Single Case Longitudinal Study*
- (5) Sabrina **Beber** - *The neurofunctional correlates of morphosyntactic processing*
- (6) Natasha **Bertelsen** - *Differential neural circuitry behind autism subtypes with imbalanced social-communicative and restricted repetitive behavior symptoms*
- (7) Elena Maria **Busuoli** - *Pre-treatment characteristics predict rate of change in response to early intervention in autism*
- (8) Alexandria Nicole **Holcomb** - *Investigating working memory abilities in elderly adults*
- (9) Veronica **Mandelli** - *Motor impairment in ASD: a potential stratifier to disentangle heterogeneity*
- (10) Lorenzo **Vercesi** - *Applying Linear Mixed Models and repeated-measures ANOVA to language data: a data-driven comparative approach*

34th cycle

- (11) Greta **Baratti** - *Geometry-blue wall merging in spatial learning by zebrafish*
- (12) Shahryar **Noei** - *Locus Coeruleus Ensemble-based Modulation of Cortical Rhythms*

33rd cycle

- (13) Anastasia **Morandi Raikova** - *Selective activation of the right hippocampus during navigation by spatial cues in domestic chicks (*Gallus gallus*)*

SESSION TWO
3.45 PM

POSTERS

36th cycle

- (1) Alice **Adiletta** - *Studying early social behavior in animal models of neurodevelopmental disorders*
- (2) Giulia **Funghi** - *Enhancing social cognition skills in healthy and pathological ageing*

35th cycle

- (3) Alessandro **Bogani** - *Determinants of controllability in counterfactual thinking*
- (4) Alireza **Karami** - *Perception of numeric vs. non-numeric visual features in human and machine*
- (5) David **Sastre Yagüe** - *Probing the role of polymodal thalamus in the generation of brain-wide rsfMRI network activity*
- (6) Alexia **Stuefer** - *A role for developmental excitation-inhibition imbalance in causing macroscale connectivity alterations*

34th cycle

- (7) Ludovica **Pannitto** - *What kind of grammar do ANNs actually learn?*
- (8) Francesca **Saviola** - *Evaluating open issues in Time-Varying functional brain connectivity*

33rd cycle

- (9) Ludovico **Coletta** - *Parsing autism heterogeneity with functional connectome gradients*
- (10) Stefano **Fait** - *Does Bayesian updating depend on the sensory system?*
- (11) Claudio **Greco** - *Do different experiences about the world lead to similar concept representations? The case of indoor vs. outdoor experiences.*
- (12) Lisa **Novello** - *Investigating human brain tissue microstructural properties non-invasively with the Correlation Tensor Imaging in vivo*
- (13) Federico **Rocchi** - *Towards a unifying mechanistic link between excitatory/inhibitory imbalances and aberrant functional connectivity in autism*
- (14) Chiara **Valzolgher** - *Reaching to sound: a multisensory-motor approach to spatial hearing adaptation*

SESSION THREE
4.30 PM

TALKS

**MALVINA
NISSIM**

"4x4: Four principles to make the best of your four PhD years"

Building on personal experience in research and life, and using examples from both, the talk will outline four aspects that should be paid attention to while doing a PhD. The core message, from all standpoints, is that sharing is key.

BIO - Malvina Nissim holds a Chair in Computational Linguistics and Society at the University of Groningen, The Netherlands. She has extensive experience in sentiment analysis and author identification and profiling, as well as in modelling the interplay of lexical semantics and pragmatics. She is also interested in Natural Language Generation, with a particular focus on style-controlled text. A crucial aspect of her work is the reflection over ethical issues in NLP research, and she's currently serving in the ACL Ethics Committee. She is the author of 100+ publications in international venues, is member of the main associations in the field, annually reviews for the major conferences and journals, and organises and/or (co-)chairs large-scale scientific events. She graduated in Linguistics from the University of Pisa, and obtained her PhD in Linguistics from the University of Pavia. In 2017, she was elected as the 2016 University of Groningen Lecturer of the Year.

**ELISA
FRASNELLI**

**"From Now to Your Professional Future:
controlling variables for creating
opportunities"**



Success is the product of contingency and commitment. While we cannot control the first one, the talk will show that, through awareness, open mindedness and networking, we can generate a higher number of possibilities to achieve our goals.

BIO - Elisa Frasnelli is Senior Lecturer in Life Sciences at University of Lincoln, UK. She graduated in Physics and Biological Technologies at University of Trento and obtained her PhD in Cognitive and Brain Sciences from CIMEC. She is interested in the study of animal behaviour and cognition from a comparative, mechanistic and evolutionary perspective, focusing on the evolutionary basis for behavioural and brain lateralization using a comparative approach. In her latest research she uses insects (bees in particular) to study to which extent behavioural and brain asymmetries are present, their development, mechanism and function in enhancing cognitive abilities in an evolutionary, ecological and comparative perspective. Dr. Frasnelli has been a Post-doctoral researcher at Konrad Lorenz Institute for Evolution and Cognition Research and she has been awarded a JSPS (Japan Society for the Promotion of Science) Fellowship in 2017.

HOW TO AND

The event will take place **online**, on two different platforms:


(you can find the associated symbols on the schedule page in this flyer)

-  **zoom**, for all the plenary sessions
-  the **CIMeC Virtual** space on *gather.town*, for the three poster sessions and chit-chatting

Zoom is a web conferencing platform: if you're a CIMeC member, use your unitn account to access the room, otherwise - if you're not CIMeC - please send us an email to dsdaycimec@gmail.com so that we can make sure you'll be able to join.



Everyone is welcome!

 **CIMeC Virtual** is a virtual space built through *gather.town*, a platform that allows for more effective and parallel interactions, simulating real-life scenarios. It is structured as a 2D map where participants can interact through avatars, like in a pixel art videogame!

No special permissions are needed to join the CIMeC Virtual space.

You'll be free to navigate the space, hang out with friends and meet new people, bumping into them at the coffee machine, just like you would do at a live conference.

The space allocated for the DS day lies within the bigger CIMeC space, and consists of four rooms, 3 poster rooms (one for each session) and 1 common room.

In the **poster rooms** you will find poster stands with pre-loaded posters and an info point, holding this flyer and any useful info. The poster stand work as mini private rooms: you'll be able to talk and be heard by anyone that enters your poster, but you won't be able to directly interact with who's outside of the stand.

Both in the common room and in the poster rooms there will be **tables and corners** to chat with old and new friends. Keep in mind that everyone can freely enter and exit spaces, also the private ones, at any time, and just like in real life, conversations can be overheard!

In case you need help, you'll always be able to **locate one of us organizers** (just clic on our names in the participants list): we'll be happy to help. Locating people is fun, but use this feature wisely, not everyone likes to be followed around the space!

The links for accessing both zoom and CIMeC Virtual will be made available as soon as possible.