

INFORMAZIONI PERSONALI

Sofija PerovicOCCUPAZIONE PER LA QUALE
SI CONCORRE

Assegno di ricerca
Bando: Analysis of neural responses to sudden stimuli, recorded from primate brain

ESPERIENZA
PROFESSIONALE**Visiting Researcher****February 2024****Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig**

Supervisor: Prof. Vadim Nikulin

*Visiting researcher at MPI as Young Scientist Award winner. Preprocessing and analysis of high frequency oscillations***Collaboration****September 2022- date****European Molecular Biology Laboratory, Rome, Italy****Not funded*

With Diego Benusiglio; Asari Lab,

*Intracranial recording in mice: designing a study, data processing and analysis***PhD Research Visit****June 2022****Physiology and Pathophysiology of Human Motor Control, UCL Queen Square Institute of Neurology, London, UK**

Supervisor: Prof. John Rothwell

*TMS and EEG study in healthy human participants: designing a study, data collection, processing and analysis***Student Researcher****March 2020-June 2020****Neurobiology of Comparative Cognition Group, University of Trento, Rovereto, Italy**

Supervisor: Prof. Uwe Mayer

*Remote traineeship (due to Covid constraints): planning neurobiological study with domestic chicks; reviewing the literature***Student Researcher****February 2018- March 2020****Comparative Cognition Lab, University of Padua, Italy**

Supervisor: Prof. Lucia Regolin

*Behavioural studies with domestic chicks: animal care, designing the study, data collection and analysis; Lab management and supervision of junior students***Erasmus + Internship****October 2017- January 2018****Biopsychology laboratory, Institute for Cognitive Neuroscience at Ruhr University, Bochum, Germany**

Supervisors: Prof. Onur Güntürkün and Dr. Sara Letzner

*Behavioural studies with pigeons (animal care, data collection and analysis); Immunohistochemical staining methods***Student Researcher****October 2017- January 2018****Jonas Rose Lab, Ruhr University, Bochum, Germany**

Supervisor: Prof. Jonas Rose and Lukas Hahn

Behavioural studies with jackdaws (animal care, data collection and analysis)

ISTRUZIONE E FORMAZIONE

PhD Candidate in Behavioural Neuroscience

November 2020- date

Neuroscience and Behaviour Laboratory, Istituto Italiano di Tecnologia and Sapienza University of Rome, Italy

Supervisor: Prof. Giandomenico Iannetti

I am exploring the functional significance of brain response to salient stimuli (Vertex Potential) using non-invasive EEG recording, somatosensory electrical stimulation and TMS in human participants

**Funded from November 2020 to January 2024*

M.Sc. in Cognitive Neuroscience and Clinical Neuropsychology

October 2018- July 2020

University of Padua, Italy

Supervisor: Prof. Lucia Regolin

Thesis title: Behavioural flexibility in young domestic chicks (Gallus gallus)

Graduated with Honours

B.A. in Psychological Science

October 2015- July 2018

University of Padua, Italy

Supervisors: Prof. Lucia Regolin and prof. Onur Güntürkün

Thesis title: Serial reversal learning task as a tool to comparatively study cognition in birds in quantitative ways

Graduated with Honours

COMPETENZE PERSONALI

Lingua madre Serbian

Altre lingue

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
English	C2	C2	C2	C2	C2
Sostituire con il nome del certificato di lingua acquisito. Inserire il livello, se conosciuto					
Italian	C1	C1	C1	C1	C1
Sostituire con il nome del certificato di lingua acquisito. Inserire il livello, se conosciuto					

Livelli: A1/A2: Utente base - B1/B2: Utente intermedio - C1/C2: Utente avanzato

[Quadro Comune Europeo di Riferimento delle Lingue](#)

Competenze comunicative

- Good communication skills due to attending seminars and conferences where I had a chance to meet my peers and colleagues and exchange research ideas , as well as give talks and presentations. Also, I had several collaborations with colleagues from other labs which helped me improve my communication skills even further

Competenze organizzative e gestionali

- As a PhD student I learned how to organize my work schedule and find balance between conducting experiments, collaborations and writing

Competenze professionali

Research methods:

Electroencephalogram (EEG); Electrophysiological signal processing (EEG, LFP, ECoG); Non-invasive somatosensory stimulation (median nerve stimulation); Transcranial Magnetic Stimulation (TMS); Immunohistochemical staining procedure

Programming:

Matlab; EEGLAB; LetsWave; R; CED Signal; Zeiss Zen Lite Software

Competenze digitali

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
Utente avanzato	Utente avanzato	Utente avanzato	Utente avanzato	Utente avanzato

Livelli: Utente base - Utente intermedio - Utente avanzato

[Competenze digitali - Scheda per l'autovalutazione](#)

Patente di guida B

ULTERIORI INFORMAZIONI

Pubblicazioni Loconsole, M., **Perovic, S.**, Regolin, L. (2021). A leftward bias negatively correlated with performance is selectively displayed by domestic chicks during rule reversal (not acquisition). *Laterality*, 26(1-2), 1-18

Conference paper: Perovic S., Letzner S., Rose J., Güntürkün O. (2018) Reversal task learning as a tool to comparatively study cognition in birds in quantitative ways. 41st European Conference on Visual Perception (ECVP) 2018 Trieste. (2019). *Perception*, 48(1_suppl), 1–233. <https://doi.org/10.1177/0301006618824879>

Conferenze **Oral presentations**
Perovic S. (March 2023). Does the Vertex Potential reflect the activation of the extralemniscal system? Mind Brain Body Symposium, Berlin, Germany

Poster presentations:

-Perovic S., Somervail R., Fong P., Rothwell J., Iannetti G. (2022) Does the Vertex Potential reflect the activation of the extralemniscal system? TBS CNW, Rovereto (Italy), 2-3 December 2022

-Perovic S., Somervail R., Iannetti G. (2022) Does the Vertex Potential reflect the rapid succession of cortical down and up states? FENS, Paris (France), 9-11 July 2022

-Perovic S., Loconsole M., Güntürkün O., Regolin L. (2019) Serial reversal learning in the young domestic chicks. ASAB summer conference, Konstanz (Germany), 26-28 August 2019

-Perovic S., Loconsole M., Güntürkün O., Regolin L. (2019) Assessing behavioural flexibility in domestic chicks through a serial reversal learning task. European Student Conference on Behaviour and Cognition (ESCBC), Padua (Italy), 4-7 September 2019

-Perovic S., Letzner S., Rose J., Güntürkün O. (2018) Reversal task learning as a tool to comparatively study cognition in birds in quantitative ways. European Conference on Visual Perception (E.C.V.P.), Trieste (Italy), 26-30 August 2018

-Perovic S., Letzner S., Rose J., Güntürkün O. (2018) Reversal task learning as a tool to comparatively study cognition in birds in quantitative ways. Cognitive Science Arena (CSA), Brixen-Bressanone (Italy), 23-24 February 2018

Seminari
Perovic S. (November 2019). Learning of relative rules in domestic chicks. Bachelor's degree course of Animal Psychology, University of Padua, Italy
Perovic S. (November 2019). Learning of relative rules in domestic chicks. Institute for Cognitive Neuroscience at Ruhr University, Bochum, Germany
Perovic S. (October 2018) The perks of studying animal psychology. Bachelor's degree course of Animal Psychology, University of Padua, Italy

Riconoscimenti e premi

March 2023

MBB Young Scientist Award

Funded research stay (3-months) at *Max Planck Institute for Human Cognitive and Brain Sciences (MPI CBS Leipzig)*. Project proposal: "Does the Vertex Potential differentially modulate cortical and thalamic activation?"

November 2020

Postgraduate program scholarship

Funded by *Istituto Italiano di Tecnologia*

October 2017
Erasmus + Traineeship Grant
Funded by University of Padua

March 2017
Merit-based scholarship for international students
Funded by University of Padua

ALLEGATI

- Bachelor and master degree
- Publications
- Conference abstracts and posters
- MMB award project

Dati personali Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

__I__ sottoscritt__ dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Data

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Sofija Perovic

25/02/2024