

Curriculum Vitae et Studiorum

PERSONAL INFORMATIONS

Giorgio Corsi

Date and place of birth

Citizenship Italian

Address

e-mail

Mobile

Work address

Work e-mail

Work telephone

EDUCATION

Oct 2017 - Mar 2021

PhD in Clinical/Experimental Neuroscience and Psychiatry - *Sapienza University of Rome*

- Supervisor: prof. Cristina Limatola
- Skills acquired: cellular and molecular biology, neurophysiology, behavioral neuroscience.

Sep 2014 - July 2017

MSc in Neurobiology (honors - *con lode*) - *Sapienza University of Rome*

- Supervisor: prof. Davide Ragozzino
- Skills acquired: biophysics, cellular neurophysiology, *ex vivo* electrophysiology, confocal imaging.

Sep 2010 - Feb 2014

BSc in Biology - *University of Parma*

- Supervisor: prof. Leonardo Fogassi
- Skills acquired: neurophysiology, behavioral neuroscience, *in vivo* electrophysiology.

WORK AND RESEARCH EXPERIENCE

Oct 2017 - present

Department of Physiology and Pharmacology, *Sapienza University of Rome*
PhD Student

- Research area: Neurophysiology
- Research topic: study of microglial cells role and synaptic functions in sleep regulation and sleep-associated neural plasticity using cellular, molecular, confocal imaging, electrophysiological and behavioral techniques in *in vitro*, *ex vivo* and *in vivo* models.

Mar 2015 - July 2017

Department of Physiology and Pharmacology, *Sapienza University of Rome*
Master Student

- Research area: Cellular Neurophysiology
- Research topic: study of microglial cells functions in *ex vivo* mouse models and *in vitro* models using electrophysiological, cellular and live confocal imaging techniques.

Jan 2013 - Feb 2014

Department of Neuroscience, *University of Parma*
Undergraduate Student

- Research area: Behavioral Neurophysiology
- Research topic: characterization and circuitry of visuo-motor neurons in macaque monkey ventral premotor cortex using *in vivo* electrophysiological technique.

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PERSONAL AND TECHNICAL SKILLS

Native language

Italian

Other languages

English

	Listening	Reading	Interaction	Verbal production	Writing
English	B2	B2	B2	B2	B2
Highest certification: <i>First Certificate in English</i> (Cambridge) - Level B2					
German	B1	A2	B1	B1	A2

Levels: A1/A2: beginner - B1/B2: intermediate - C1/C2: advanced

Digital skills

- European Computer Driving License (ECDL).
- Microsoft Office *suite*.
- Statistics softwares: SigmaPlot, Origin.
- Imaging and deconvolution softwares: MetaFluor, MetaMorph, ImageJ, Imaris, QuantityOne.
- Electrophysiology softwares: Clampex, Clampfit, Neuroexplorer.
- Molecular biology softwares: iCycler, CFX Manager, KCJunior.

Technical skills

- Cellular and molecular biology: cell cultures, DNA/RNA and protein extraction and quantification, PCR and qPCR, Western blot, immunofluorescence.
- Electrophysiology: *in vivo* recordings in awake/behaving primates, *ex vivo* (acute brain slices) and *in vitro* (patch clamp and field recordings).
- Imaging: confocal microscopy, fluorescence microscopy, live imaging.
- Behavioral techniques: open field, novel object recognition, rotarod, EEG, fear conditioning.
- Surgery: stereotaxic surgery, dissection and tissue collection in rodents, transcatheter perfusion.

SCHOLARSHIPS AND FUNDINGS

Oct 2017

Winner of a three-year PhD scholarship at Sapienza University, Rome, Italy

Oct 2020

Progetti per Avvio alla Ricerca (1000 €) for "Ruolo della microglia nella regolazione del sonno e del comportamento circadiano", prot. n. AR120172A91E8ED2

PUBLICATIONS

Oct 2019

Pagani F, Testi C, Grimaldi A, Corsi G, Cortese B, Basilico B, Baiocco P, De Panfilis S, Ragozzino D, Di Angelantonio S, *Dimethyl Fumarate Reduces Microglia Functional Response to Tissue Damage and Favors Brain Iron Homeostasis*. Neuroscience (2019)

CONFERENCES AND WORKSHOPS

* = oral/poster presentation ** = invited speaker

Feb 4-5, 2021

** Annual Meeting of the Italian Purine Club, online meeting

Nov 14-16, 2019

* 2nd Brayn Congress, Istituto Mario Negri, Milano, Italy

Oct 31, 2019

Il Principio delle 3RS per una visione comune - Italian Health Ministry, Roma

Sep 4-6, 2019

** Annual International Digital Vivarium Forum, Tecniplast, Buguggiate (VA), Italy

Mar 1, 2019

* SINS PhD congress "New perspectives in Neuroscience: Research results of young Italian Neuroscientists" - Federico II University, Naples, Italy

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Dec 11-13, 2018	* 3rd SynaNet Annual Meeting - Instituto de Medicina Molecular, Lisbon, Portugal
Nov 22-23, 2018	Synanet Workshop on "Animal welfare in neuroscience research" - Sapienza University, Rome, Italy
Sep 24-25, 2018	SynaNet Workshop on "Superfly: a practical workshop on the use of <i>Drosophila melanogaster</i> in neuroscience research" - Lancaster University, Lancaster, United Kingdom
July 20-22, 2018	SIICA Summer School of Immunology "Fundamentals of Immunology" - Villa Pace, Messina, Italy
June 20-22, 2018	* SIBBM Seminar on "When and where: temporal and spatial regulation of biological processes" - Sapienza University, Rome, Italy
June 11-15, 2018	SynaNet Summer School on "Signals from the Brain" - Sapienza University, Rome, Italy
May 3-5, 2018	* SIF 12th Meeting of Young Researchers in Physiology - Villa Orlandi, Anacapri (NA), Italy
Jan 16-18, 2018	2nd SynaNet Annual Meeting - Instituto de Medicina Molecular, Lisbon, Portugal
Dec 12-14, 2017	SynaNet Workshop on "Basics of Flow Citometry" - University of Eastern Finland, Kuopio, Finland

09.03.2021

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