

Curriculum Vitae

CHIARA DI DOMENICO



EDUCATION

- 2023 - present PhD student in Cognitive Neuroscience at SISSA (Visual Neuroscience Lab)
- 2021 - present Enrolled in the CIMeC Master's Course in Cognitive Neuroscience and part of the UniTrento-SISSA program
- 2021 Bachelor's Degree in Cognitive Psychology, *cum laude*
University of Trento, Rovereto, Italy
- 2016 Bachelor's Degree in Mathematics
Alma Mater Studiorum, University of Bologna, Bologna, Italy
Thesis: "A mathematical model for migraine aura",
supervisor: Giovanna Citti
- 2013 Science High School Diploma
Istituto liceale Salvatore Pizzi, Capua, Italy
- 2008 Diploma in Music Theory and Solfeggio
Conservatory of Music "Nicola Sala", Benevento, Italy

INTERNSHIPS

- 2022 - present Visual Neuroscience Lab, PI: Davide Zoccolan
International School for Advanced Studies (SISSA), Trieste, Italy
Topic: Visual perceptual and neurophysiological alterations in a mutant rat model of autism spectrum disorder
- 2019 - 2021 CIMeC, PIs: Manuela Piazza, Giorgio Vallortigara
University of Trento, Rovereto, Italy
Topic: Neural correlates of formal logical reasoning
- 2017 Erasmus+ Traineeship in Mathematical Neuroscience,
supervisors: Stephen Coombes, Daniele Avitabile
University of Nottingham, Nottingham, UK
Topic: Wave propagation on folded cortical surfaces

TRAINING – COURSES

Master courses:

Analisi Applicata (30/30); Analisi Superiore 1 (28/30).

Doctoral courses:

Bayesian Modeling and Information Theory for Neuroscience and Cognitive Science (30L/30); Language, Reading and the Brain (30L/30); Temporal Processing and Cognition (30/30); Introduction to Systems and Computational Neuroscience.

Technical courses:

Training Course for Animal Protection in Scientific Research (D.M. 228/2021) - Figure A

Conservatory of Music courses:

1st, 2nd, 3rd, 4th and 5th year of Piano

WORK EXPERIENCES

- 2017 Member of the Rainbow Casino's Hospitality Staff
Bristol, UK
- 2016 Mathematics and Physics high school Teacher
Centro Nuove Didattiche, Casalecchio di Reno, Italy

ADDITIONAL APPOINTMENTS

- 2018 - 2020 Student Representative - Department of Psychology and Cognitive Science
University of Trento, Rovereto, Italy
- 2017 Humanitarian Missionary at "La Croix" hospital with the Onlus "Dare Futuro"
Zinvié, Bénin, Africa

CONFERENCES AND SEMINARS

- 2017 Seminar talk on "A mathematical model for migraine aura"
School of Mathematical Science, University of Nottingham, Nottingham, UK
- 2017 Invited speaker at "Ex Libris - I libri e noi"
BDU, University of Bologna, Bologna, Italy

PUBLICATIONS

- 2017 "Neuro...poesia" - Ex Libris, I libri e noi, Vv.Aa., by Mirella Mazzucchi et al.,
Bologna, Bononia University Press

SKILLS AND COMPETENCES

Laboratory skills:

- Rodent behavioral training (psychophysics)
- Rodent care and handling
- In vitro genome editing on chick embryo's neurons
- Immunocytochemistry on chick embryo's neurons
- In vivo genome editing on chick embryo's neurons
- Genomic DNA extraction from chick embryo's neurons

Programming skills:

- MATLAB (good knowledge)
- Python (basic knowledge)
- PsychoPy (basic knowledge)
- MWorks (basic knowledge)

Digital skills:

- Brainstorm (beginner)
- LaTeX Software (basic knowledge)
- Microsoft Office Packages (good knowledge)
- Mac OS Pages (good knowledge)

Linguistic competences:

- Italian (mother tongue)
- English (good user, certified C1 level)