

LORENZO CACIAGLI, MD PhD

CURRENT POSITIONS

Neurology Resident (*Assistenzarzt Neurologie*)

Department of Neurology

Inselspital, Bern University Hospital

Freiburgstrasse 18, 3010 Bern, Switzerland

Visiting Researcher

Department of Clinical and Experimental Epilepsy

UCL Queen Institute of Neurology and National Hospital for Neurology and Neurosurgery (NHNN)

Box 29, Queen Square, London, WC1N 3BG, United Kingdom

EDUCATION

PhD in Clinical Neuroscience (10/2014 – 07/2019)

Thesis: *Neuroimaging of epilepsy: disease severity, cognitive comorbidities and endophenotypes*

Final Mark: *Pass with No Corrections*

UCL Queen Square Institute of Neurology, London, UK

Supervisors: Professor Matthias Koepp, Dr Gavin Winston

Funding: Scholarship by *Brain Research UK* (personally awarded)

MD (10/2007 – 10/2013)

Thesis: Pathophysiology of the photoparoxysmal response in juvenile myoclonic epilepsy

Supervisor: Professor Ubaldo Bonuccelli

Final Mark: 110/110 *summa cum laude*

Thesis declared as *worthy of Publication*

Average grades: 29.7/30 – 1st *ex aequo* of 245 medical students of the 2013 class

Medical School of the University of Pisa, Italy

Diploma in Medical Sciences (10/2007 – 12/2014)

Thesis: Impaired theory of mind in juvenile myoclonic epilepsy

Supervisors: Professor Ubaldo Bonuccelli, Dr Filippo Sean Giorgi

Final Mark: 100/100 *magna cum laude*

Sant'Anna School of Advanced Studies, Pisa, Italy

Additional Degree – complementary to MD awarded by the University of Pisa

Funding: Honors College Student Scholarship, Sant'Anna School of Advanced Studies

MEDICAL LICENSURE

Swiss Register of Medical Professions, Physician, GLN 7601002942508, 2021 – *ongoing*.

Ordine dei Medici della Provincia di Trento (Italy), Full Registration with License to Practice Medicine, no. 4285, 2015 – *ongoing*.

General Medical Council (United Kingdom): Full Registration with License to Practice Medicine, no. 7466526, 2015 – 2020; Registration without license to practice since August 31, 2020 (reason: moving out of the United Kingdom)

US Education Commission for Foreign Medical Graduates: *Licensing examination in progress.*

USMLE Step 1 score (10/2020): 261/299 (>95th percentile; https://www.usmle.org/sites/default/files/2021-08/USMLE_Step_Examination_Score_Interpretation_Guidelines.pdf)

EMPLOYMENT HISTORY

Neurology Resident (Assistenzarzt Neurologie, 03/2023 – *present*)

Department of Neurology

Inselspital, Bern University Hospital, Switzerland

Clinical Mentors: Professor Kaspar A. Schindler, Professor Claudio Bassetti

Rotations (future dates in *italic*)

- Assistenzarzt Epileptology 50% work quota, 01/03/2023 – 01/03/2024. EEG licensing exam (FMH): passed in 12/2023.
- Epilepsy Fellow (ambulatory follow up of presurgical epilepsy patients, ward-based management of phase 1 and phase 2 presurgical assessments): 50% work quota, 01/03/2023 – 01/03/2024.
- Intensive Neurorehabilitation (Frührehabilitation), Acute Neurorehabilitation: 100% work quota, 02/03/2024 – *31/08/2024*
- Neurology Ward (Akutbettenstation): *01/09/2024 – 28/02/2025*
- Neurology Polyclinic (outpatient care): *01/03/2025 – 30/06/2025*

Postdoctoral Researcher (09/2019 – 12/2022)

Department of Bioengineering, University of Pennsylvania

Advisor: Professor Dani S. Bassett

Projects: Multi-scale network mapping, dynamic connectivity analysis, application of network control theory to uncover the neural substrates of cognitive impairment in epilepsy

Visiting PhD Student (01/2019 – 06/2019)

Department of Bioengineering, University of Pennsylvania

Advisors: Professor Dani Bassett (Penn), Professor Matthias Koepp (UCL)

Project: Dynamic network analysis to understand cognitive dysfunction in epilepsy

Honorary Clinical Assistant (Assistenzarzt; 09/2015 – 07/2019)

Department of Clinical and Experimental Epilepsy

UCL Queen Square Institute of Neurology, National Hospital for Neurology and Neurosurgery

Clinical Supervisors: Professor Matthias Koepp, Dr Dominic Heaney

Clinical Activities: Epilepsy Monitoring Unit, average of 60 hours/month: weekly first-seizure clinic (Dr Heaney), bimonthly epilepsy patient clinics (Prof. Koepp), Clinical Investigator, Phase IV Clinical Trial, “Brivaracetam and Seizure Reduction in Epilepsy” (HRA–UK; 5 hours/week).

PhD Candidate (09/2014 – 07/2019)

Department of Clinical and Experimental Epilepsy

UCL Queen Square Institute of Neurology

Research Supervisors: Professor Matthias Koepp, Dr Gavin Winston

Main Project: Functional and structural imaging in epilepsy: determinants of disease severity, cognitive comorbidities, and endophenotypes

Visiting Scientist (05/2014 – 08/2014)

Neuroimaging of Epilepsy Laboratory

Montreal Neurological Institute and Hospital (MNI)

McGill University, Montreal, Quebec, Canada

Supervisors: Professors Andrea and Neda Bernasconi

Project: Functional and structural network alterations in drug-resistant focal epilepsy

Medical Internship (Leading to the license to practice medicine in Italy) (11/2013 – 02/2014)

Equivalent to Foundation Program Year 1 (UK)

Pisa University Hospital, Pisa, Italy

Clinical Rotations: Internal Medicine, Family Medicine, General Surgery

Clinical and Research Assistant (09/2012 – 04/2014)

Epilepsy Centre, University of Pisa and Pisa University Hospital, Italy

Supervisors: Dr Filippo Sean Giorgi, Dr Chiara Pizzanelli, Professor Ubaldo Bonuccelli

Projects: EEG-fMRI in juvenile myoclonic epilepsy, neuropsychometry and social cognition in juvenile myoclonic and temporal lobe epilepsy

Clinical observer activities: epilepsy outpatient clinics, EEG reporting (including sleep and CAP scoring)

Elective medical student (04/2012 – 06/2012)

Department of Liaison Psychiatry

UCL, Royal Free Hospital, London, UK

Supervisor: Dr Nora Turjanski

Research project: Epidemiological investigation of psychiatric patients receiving compulsory admission after attendance to the emergency department

Summer student (08/2010 – 10/2010)

Department of Psychiatry

University of Wisconsin-Madison, US

Supervisors: Professor Giulio Tononi, Dr Michele Bellesi

Project: Enhancement of sleep slow-wave activity with subthreshold auditory stimulation, training in sleep stage scoring

Summer student (08/2009 – 10/2009)

The Arthur and Sonia Labatt Brain Tumor Research Centre

Hospital for Sick Children, Toronto, Ontario, Canada

Supervisor: Dr Peter B Dirks, Dr Ryan Ward

Project: Reprogramming of brain cancer stem cells to induced pluripotent stem (iPS) cells