

ALESSANDRA BURINI

PERSONAL INFORMATION

Date of birth April 19, 1996
Nationality Italian

EDUCATION

- 2021–2025** Neurology Residency, Neuroscience and Clinical Sciences of Behavior, *University of Udine*, Santa Maria della Misericordia Hospital, Udine
Final grade: 110/110 cum laude with the thesis “Temporal encephalocele-related epilepsy: anatomo-electro-clinical correlation and a possible etiopathogenetic mechanism”
- 2015–2022** Honors Student on a full scholarship provided by the Italian Ministry of Education at the Institute of Life Science, *Sant’Anna School of Advanced Studies (SSSUP)*, Pisa
Final grade: 100/100 cum laude with the thesis “Encephaloceles in epileptic patients: electroclinical, neuroimaging, and histopathological features”
The Degree is equivalent to a second-level Master’s Degree
- 2015–2021** Medicine and Surgery Degree Program, Department of Clinical and Experimental Medicine, *University of Pisa*, Pisa
Final grade: 110/110 cum laude and publication recommended for the thesis “Intracerebral seizure patterns during presurgical monitoring of patients candidate to epilepsy surgery”
The Degree implies the qualification for the medical profession in Italy (LM-41)
- 2010–2015** Scientific High School, *Liceo Scientifico “Filippo Lussana”*, Bergamo
Final grade: 100/100

PREVIOUS EXPERIENCES

- 2021–2025** Neurology Residency, Neuroscience and Clinical Sciences of Behavior, *University of Udine*, Prof. Mariarosaria Valente and Prof. Gian Luigi Gigli – Santa Maria della Misericordia Hospital, Udine. I experienced broad clinical training including inpatient Neurology, Stroke Unit and Day Hospital activities, emergency Neurology, interdepartmental consultations, and outpatient clinics across different neurological subspecialties, with greater exposure to Epilepsy and Sleep Medicine. I also trained in clinical Neurophysiology, particularly EEG (including monitoring in the Intensive Care Unit) and extracranial carotid Doppler ultrasound. I contributed to clinical research mainly in the vascular and neuroimmunological fields and participated in numerous Italian and international courses and congresses.
- February–July 2025** Clinical fellowship and laboratory experience at the Clinical and Experimental Epilepsy Unit, Dr. Marco de Curtis – IRCCS Foundation “Carlo Besta” Neurological Institute, Milano. I specialized in EEG and video-EEG reporting, participated to clinical round and surgical case discussions, presented clinical-EEG cases and research findings at local and international congresses, and contributed to research on encephalocele as a cause of focal epilepsy (including clinical data analysis, magnetoencephalography, and immunohistochemistry studies).
- August 2021** Temporary job as a medical doctor at a first-aid station for tourists, Vilminore di Scalve (BG), Italy.

October– December 2020	Laboratory experience and clinical fellowship at the Clinical and Experimental Epilepsy Unit, Dr. Marco de Curtis – IRCCS Foundation “Carlo Besta” Neurological Institute, Milano. I contributed to an EEG and foramen ovale electrodes-study on impaired awareness during mesial temporal lobe seizures. I also started to work on a retrospective, computer-assisted analysis of stereo-EEG data from patients candidate to epilepsy surgery which in part would constitute my master’s thesis.
August– September 2019	Laboratory experience and clinical fellowship at the Clinical and Experimental Epilepsy Unit, Dr. Marco de Curtis – IRCCS Foundation “Carlo Besta” Neurological Institute, Milano. I contributed to a stereo-EEG study on clinically evident seizures (CES) compared to subclinical seizures (SCS).
January 2019	Clinical fellowship at IRCCS Stella Maris Foundation. I spent two weeks in Neurology, where I had the chance to see epileptic and neuromotor patients, and two weeks in Psychiatry, working with autistic children and patients with anxious or behavioral disorders.
August– September 2017	Laboratory experience at Functional Neuroimaging lab, Dr. Margot J. Taylor – Toronto Hospital for Sick Children, Toronto. I contributed to a neuroimaging study on familiarity and likeability of music in children with ASD and to a review article on familiarity in music listening in the general population.
September– October 2016	Laboratory experience at Neuroscience, Prof. Tommaso Pizzorusso – CNR (National Research Council), Pisa. I had the opportunity to have practice with Real Time PCR, protein extraction, cranial window preparation, electrophysiology, brain imaging, brain slicing with cryotome, suture, whole animal perfusion.
February 2016	Laboratory experience at IFC (Institute of Clinical Physiology), Dr. Silvia Del Ry – CNR (National Research Council), Pisa. I had the opportunity to have practice with western blot, ELISA, Real Time PCR, RNA extraction.

LANGUAGES

English	Cambridge FCE (B2) (2014)
German	Goethe-Zertifikat B2 (2015)
French	Basic
Chinese	Basic

PUBLICATIONS

Meinel TR, Bücke P, D’Anna L, Merlino G, Aguiar de Sousa D, Poli S, Purucker JC, Strambo D, Romoli M, De Marchis GM, Pfeilschifter W, Zedde M, Marto JP, Candelaresi P, Lemmens R, Scoppettuolo P, Woock M, Kermer P, Kristoffersen ES, Ghannam M, Frol S, Nolte CH, Yakushiji Y, Touzé E, Uphaus T, Mannino M, Ntaios G, Padjen V, Henninger N, Zipser-Mohammadzade F, Mariano ME, Guerreiro C, Burini A, Ceccarelli L, Valente M, Gomez-Exposito A, Kleeberg A, Thevoz G, Michel P, Stufano G, Vlachos D, Herrmann M, Rodrigues B, Spina E, Andreone V, Allardt A, Alshaer QN, Riegler C, Kunieda T, Boulanger M, Hahn M, Papadimitriou D, Muppa J, Maes L, Ranta A, Tyson A, Barber PA, Davis A, Wu TY, Kaesmacher J, Fischer U, Seiffge DJ; International DO-IT Collaboration. “Intravenous Thrombolysis in Patients With Recent Intake of Direct Oral Anticoagulants: A Target Trial Analysis and Comparison With Reversal Agent Use.” *Stroke*. 2025 Jul 22. doi: 10.1161/STROKEAHA.125.051384. Epub ahead of print. PMID: 40693390.

Burini A, Paciaroni M, D’Anna L, Kuris F, Maniaci V, Valente M, Gigli GL, Merlino G. “Intravenous thrombolysis in the context of stroke and cancer.” *J Thromb Thrombolysis*. 2025 Jul 17. doi: 10.1007/s11239-025-03156-5. Epub ahead of print. PMID: 40673963.

Burini A, Visani E, Doniselli FM, Cuccarini V, Garbelli R, Marucci G, Santis D, Didato G, Deleo F, Pastori C, Stabile A, Villani F, Rizzi M, Girardi L, de Curtis M, Di Giacomo R. “Comment on “Temporal lobe encephaloceles: Electro-clinical

characteristics and seizure outcome after tailored lesionectomy.” *Epilepsy Behav.* 2025 Mar;164:110282. doi: 10.1016/j.yebeh.2025.110282. Epub 2025 Jan 31. PMID: 39892271.

Burini A, Pellitteri G, Merlino G, Nilo A, Tereshko Y, Dolso P, Gigli GL, Valente M. “Current and emerging pharmaceutical strategies for the treatment and management of restless legs syndrome.” *Expert Rev Neurother.* 2024 Oct;24(10):997-1009. doi: 10.1080/14737175.2024.2385947. Epub 2024 Jul 31. PMID: 39082506. Di Giacomo, Roberta, Alessandra Burini, Daniela Chiarello, Veronica Pelliccia, Francesco Deleo, Rita Garbelli, Marco de Curtis, Laura Tassi, Vadym Gnatkovsky. “Ictal fast activity chirps as markers of the epileptogenic zone.” *Epilepsia.* 2024 Apr 30. doi: 10.1111/epi.17995. Epub ahead of print. PMID: 38686942.

Di Giacomo R, Burini A, Chiarello D, Pelliccia V, Deleo F, Garbelli R, de Curtis M, Tassi L, Gnatkovsky V. Ictal fast activity chirps as markers of the epileptogenic zone. *Epilepsia.* 2024 Jun;65(6):e97-e103. doi: 10.1111/epi.17995. Epub 2024 Apr 30. PMID: 38686942.

Vogrig A, Bellizzi F, Burini A, Gigli GL, Girardi L, Honnorat J, Valente M. “Sudden unexpected death in epilepsy and ictal asystole in patients with autoimmune encephalitis: a systematic review.” *Neurol Sci.* 2024 Jun;45(6):2811-2823. doi: 10.1007/s10072-023-07280-z. Epub 2024 Jan 9. PMID: 38194197; PMCID: PMC11081980.

Di Giacomo R, Burini A, Visani E, Doniselli FM, Cuccarini V, Garbelli R, Marucci G, De Santis D, Didato G, Deleo F, Pastori C, Stabile A, Villani F, Rizzi M, Girardi L, de Curtis M. “Distinctive electro-clinical, neuroimaging and histopathological features of temporal encephalocles associated to epilepsy.” *Neurol Sci.* 2023 Dec;44(12):4451-4463. doi: 10.1007/s10072-023-06939-x. Epub 2023 Jul 17. PMID: 37458845.

Varotto G, Burini A, Didato G, Deleo F, Pastori C, Dominese A, Tringali G, Panzica F, de Curtis M, Di Giacomo R. “Impaired awareness in mesial temporal lobe epilepsy: Network analysis of foramen ovale and scalp EEG.” *Clin Neurophysiol.* 2021 Dec;132(12):3084-3094. doi: 10.1016/j.clinph.2021.09.011. Epub 2021 Oct 11. PMID: 34717226.

Pucci, Angela, Alessandra Burini, Enrica Manzato, and Cristina Zucchinetti. “Neoplastic Disorders Involving the Aortic Valve.” *Perspectives in aortic valve disease: Clinical and Morphological Characteristics, Diagnosis and Treatments*, Chapter 7, Giovanni Concistrè editor, Nova Publishers (November 2020).

Borrelli, Chiara, Alessandra Burini, Enrica Manzato, Cristina Zucchinetti, and Claudio Passino. “The Diseased Tricuspid Valve: Epidemiology and Clinical Approach to the Tricuspid Valve Disease.” *The Rediscovered Tricuspid Valve*, Chapter 3, Giovanni Concistrè editor, Nova Publishers (September 2019).

Freitas C, Manzato E, Burini A, Taylor MJ, Lerch JP, Anagnostou E. “Neural Correlates of Familiarity in Music Listening: A Systematic Review and a Neuroimaging Meta-Analysis.” *Front Neurosci.* 2018 Oct 5;12:686. doi: 10.3389/fnins.2018.00686. PMID: 30344470; PMCID: PMC6183416.

Data: 29/01/2026

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ALESSANDRA BURINI

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