

PERSONAL INFORMATION

Alba Scerrati

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PROFESSIONAL EXPERIENCES

November 2023 - Present

Associate Professor of Neurosurgery and Consultant Neurosurgeon
University of Ferrara, Ferrara, Italy

November 2019- October 2022

Assistant Professor of Neurosurgery and Consultant Neurosurgeon
University of Ferrara, Ferrara, Italy

April 2019 – October 2019

Consultant Neurosurgeon
San Bortolo Hospital, Vicenza, Italy

February 2018–April 2019

Consultant Neurosurgeon
Santa Maria della Misericordia Hospital, Rovigo, Italy

October 2017 – Feb 2018

Consultant Neurosurgeon
Sant'Anna University Hospital, Ferrara, Italy

EDUCATION AND TRAINING

Nov 2023

Visiting Professor (Prof. M. Bruneau)
Dienst Neurochirurgie, UZ Brussel (Belgium)

Nov2017–Nov 2019

PhD in Translational Neurosciences and Neurotechnologies
University of Ferrara

Nov 2016–Nov 2017

Master in Neurointerventional Radiology
San Camillo Hospital, Rome (Italy)

Jul 2011– Jun 2017

Neurosurgery Residency: 50/50 cum laude
Catholic University - Policlinico A. Gemelli, Rome (Italy)

Apr 2017–May 2017

Observership in Neurovascular Surgery (Prof. M. T. Lawton)
Department of Neurosurgery, University of California San Francisco, San Francisco (United States)

Jan 2016–Jul 2016

Clinical Fellowship in Neurovascular Surgery (Prof. M. Cenzato)

Ospedale Maggiore Niguarda Ca'Granda, Milan (Italy)

Jan 2015–Dec 2015 Research Fellowship in Skull Base Neurosurgery (Prof. M. Ammirati)
Dardinger Microneurosurgical Skull Base Laboratory, Columbus (OH) (United States)

Jul 2010 Medical Degree: 110/110 cum laude
Catholic University of Rome - Policlinico A.Gemelli, Rome (Italy)

Aug 2009 Observership in Skull Base Neurosurgery (Prof. F. Gentili)
Toronto Western Hospital, Toronto (Canada)

Jul 2008 Observership in Neurotrauma Department (Prof. D. P. Esposito)
University of Mississippi, Jackson (MS) (United States)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user Common European Framework of Reference for Languages					

ADDITIONAL INFORMATION

Memberships Member of the Italian society of Neurosurgery (SINCH) since 2012.
Member of the European Association of Neurosurgical Societies (EANS) since 2013.
Board-Member of Women in Surgery-Italy (WIS) since 2020.

Prizes Young Investigator Award, of the International Society of Neurovascular Disease annual meeting. Ferrara, May 2019

Grants - Horizon 2020 “Marie Skłodowska-Curie Innovative Training Networks” 2019. Title of the project: “The Medical Digital Twin for Aneurysm prevention and Treatment (MEDITATE)”. (Project Code: 859836; duration 48 months). PI: Prof. Marco Evangelos Biancolini.

- 2023 Call for Research Projects Funded by the Chamber of Commerce, Industry, Crafts, and Agriculture of Ferrara and Ravenna

Participation as PI and project coordinator for the project "Development of patient-specific simulators for vascular procedures through the application of new materials and 3D printing techniques for healthcare personnel training and pre-operative study of more complex cases." (€15,000)

- PNRR Call Mission 6 - Component 2 Investment 2.1 Enhancement and

Strengthening of Biomedical Research of the National Health Service 2022

Project title: "Brain Lesions Border Characterization: Intraoperative Electrophysiology and Off-line Neurobiology – BLBC," in collaboration with the Besta Neurological Institute of Milan and other qualified Italian institutions. (Project code: PNRR-POC-2022-12376380). Project leader: Prof. Francesco Di Meco. Role: Participant in the Neurosurgery Unit of the University of Ferrara. The project was approved with a valid score of 8.0, duration of 24 months, and funding of €980,000.

- PRIN 2022 Call PNRR Mission 4 – Component 2. From Research to Business - Intervention 1.1 Fund for the National Research Program (PNR) and Projects of Relevant National Interest (PRIN)

Project title: "3DPRIN - 3DPRINTing of multi-material parts for cranial implants," in collaboration with the University of Brescia and other qualified Italian institutions. (Project code: P2022PMMWX). Project leader: Prof. Antonio Fiorentino. Role: PI responsible for the Neurosurgery Unit of the University of Ferrara. The project was approved with a score of 95, duration of 24 months, and funding of €225,000.

- Start Cup Emilia-Romagna 2022 Call

Participation as PI and project coordinator for the project "New methodologies for the low-cost production of patient-specific cranial implants in polymethylmethacrylate." Second place. (€6,000)

- Call for the Funding of Scientific Research "Fund for the Incentive to Departmental Research" (FIRD) – Year 2022

Project: "Artificial Intelligence for Meta-Researches." (€4,357)

Editorial Activity

Book Editor:

Neurosurgical procedures: innovative approaches, Intechopen (DOI: 10.5772/intechopen.78468 ; ISBN: 978-1-78985-928-7)

Cerebral Circulation - Updates on Models, Diagnostics and Treatments of Related Diseases (under production).

Guest Editor:

Cells (MDPI): Special Issue "Neurological Symptoms and COVID-19 Pandemic".
https://www.mdpi.com/journal/cells/special_issues/Neuro_COVID

Materials (MDPI): Special Issue "New Advances in Additive Manufacturing Technology"
https://www.mdpi.com/journal/materials/special_issues/New_Advances_Additive_Manufacturing_Technology

Journal of Neurosurgical Sciences (Minerva Medica): Special Issue "Neurosurgical Systematic Reviews and Meta-Analysis for a daily practice."

Clinical and Applied Thrombosis/Hemostasis (SAGE): Special Collection on Anticoagulants and Antithrombotic Therapy Management in Neurosurgical Patients.
<https://journals.sagepub.com/page/cat/collections/call-for-papers/anticoagulants-antithrombotic-therapy-management-neurosurgical-patients>

Editorial Board: Frontiers in Neurology - Neurotrauma section, Current trends in Surgery – RVS Publisher, Clinical Neurology and Neuroscience - Science PG

Reviewer: BioMed Research International, Neurosciences, Journal of Neuro-oncology, JoVE, Critical Care, Interdisciplinary Neurosurgery, Journal of Clinical Medicine JCM (https://www.mdpi.com/journal/jcm/submission_reviewers).

Book chapters:

Neuroscience of traumatic brain injury. Elsevier. Chapter Brain swelling in traumatic brain injury (under production).

Neurosurgical procedures: innovative approaches, Intechopen. ISBN: 978-1-78985-928-7 Chapter 2. Innovations in the Surgery of Cerebral Aneurysms: Enhanced Visualization, Perfusion, and Function Monitoring. DOI: 10.5772/intechopen.91030

Advances in Engineering Research. Volume 41. ISBN: 978-1-53618-882-0; E-BOOK ISBN: 978-1-53618-999-5. Chapter 8, The role of 3D Printing in Neurosurgery.

From Bench to Bedside - Trauma, Tumors, Spine, Functional Neurosurgery. ISBN 978-953-51-2629-4, Print ISBN 978-953-51-2628-7. Chapter 4, Surgical Techniques in Benign Extra-Axial Tumors.

Publications

The list of the 128 Pubmed indexed publications can be found at the following link: <https://pubmed.ncbi.nlm.nih.gov/?term=scerrati+a&sort=pubdate>

Courses

International Society of Neurovascular Disease annual meeting. Ferrara, May 2019
EANS Training Course – Tumors. Moscow, May 2019
EANS Training Course - Head Injury and Functional Neurosurgery Belgrado. May 2018
Live surgery course: transcranial approach to sellar and parasellar region. Vicenza-Padova May 2018
EANS congress 2018. Venezia, Ottobre 2018.
Intraoperative cerebral ultrasound course – Rome, September 2017
EANS training course in Spine and Peripheral Nerves – Praga, May 2017.
Congresso SINCH 2017 – Verona
AANS Annual Scientific Meeting 2017 - Los Angeles
European Consensus Conference on AVM treatment: open session – Milano.
Congresso SINCH 2016 - Roma
VI Corso-convegno di Neurochirurgia "Focus on: Neuro-oncologia, Neurochirurgia funzionale, Neurochirurgia Spinale" – Sirolo.
Seventh International Skull Base Dissection Course - Arezzo.
VI Corso di base: Stenoscoliosi lombari e patologia degenerativa del rachide cervicale – Ancona.
Corso base SINCH sulla neurochirurgia funzionale e stereotassica – Milano.

III Corso-convegno in Neurochirurgia: Innovazione in Neurochirurgia – Sirolo.

II Corso avanzato per specializzandi in neurochirurgia: Spondilolistesi –Ancona.

II Corso-convegno di neurochirurgia oncologica: Tumori della fossa cranica posteriore – S. Marcello

La Neuromodulazione nelle Epilessie – Roma.

Corso Hands-on: approcci pterionale, tran sfenoidale, restrosigmoideo – Arezzo.

Workshop on new technologies and approaches to skull base – Roma.

2° incontro chirurgia vertebrale: Deformità e patologia degenerativa – Bologna.

La Neuromodulazione nella spasticità – Roma.

Congresso SINCH 2013 - Palermo

Congresso SINCH 2012 - Rimini

Congresso SINCH 2010 – Milano

Ferrara, October 10Th 2025

Signature

Prof. Alba Scerrati