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Gender	M

Personal Statement

Pietro Fiaschi is a Neurosurgeon, Associate Professor of Neurosurgery at University Of Genoa, PhD in Clinical Neuroscience, and fellow of the Italian Board of Neurosurgery since 20219. Dr. Fiaschi's research interests focus on many fields of neurooncology, with a particular emphasis on the use of new surgical techniques to treat tumor in eloquent cerebral areas and on the investigation of tumor-derived biomarkers in many biological fluids. Another Dr. Fiaschi main area of interest is normal pressure hydrocephalus, by studying new diagnostic approaches and examining biomarkers of illness. Dr. Fiaschi currently serves as Associate professor of Neurosurgery at the University of Genoa.

Education

2019- 2022 Researcher in Neurosurgery
 University of Genoa
 2018-2019 Neurosurgeon
 Santa Corona Hospital – Pietra Ligure
 2017 – 2021 Ph. D. in Neuroscience
 University of Genoa
 2011-2017 Residency in Neurosurgery (points 50/50 cum laude)
 University of Turin
 2004-2010 Master degree in Medicine and Surgery (points 110/110 cum laude)
 University of Genoa

Positions

Neurosurgeon at Ospedale Policlinico San Martino in Genova
 Associate professor of Neurosurgery at University of Genoa

Teaching Positions

Teaching of Neurosurgery for the course of "Neuroscience" (Degree Course in Orthopedic Techniques) – University of Genoa
 Teaching of Neurosurgery for the course of "Neurology" (Degree in Medicine and Surgery) - University of Genoa
 Teaching of Neurosurgery for the Course of "Medical Sciences II" (Degree in Dentistry and Dental Prosthesis) - University of Genoa

Teaching of Neurosurgery for the Course of "Applied Neuroscience II" (Degree in Physiotherapy) - University of Genoa
Teaching of Neurosurgery at Neurosurgery Residency Course - University of Genoa

Scopus Author ID 55790786400 - H index: 16

Grants (max 5)

PI of the project funded by IRCCS Ospedale Policlinico San Martino through the allocation of 5x1000 funds in 2021 to support research projects (Project Title: "Ruolo della biopsia liquida nella caratterizzazione molecolare dei gliomi ad alto grado: uno studio pilota").

Co- PI of the project funded by University of Genoa and Department of Neurology, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health (DINO GMI) through the allocation of BANDO FRA funds in 2022 to support research projects (Project Title: " Integrating biomarkers for Mild Behavioral Impairment: a multifaceted analysis of neurodegenerative, psychiatric, and neurosurgical etiologies").

Selected peer-reviewed publications (max. 20)

1: Gatti M, Pattarozzi A, Bajetto A, Würth R, Daga A, **Fiaschi P**, Zona G, Florio T, Barbieri F. Inhibition of CXCL12/CXCR4 autocrine/paracrine loop reduces viability of human glioblastoma stem-like cells affecting self-renewal activity. *Toxicology*. 2013 Dec 15;314(2-3):209-20. doi: 10.1016/j.tox.2013.10.003. Epub 2013 Oct 21. PMID: 24157575.

<https://hdl.handle.net/11567/660965>

2: **Fiaschi P**, Pavanello M, Imperato A, Dallolio V, Accogli A, Capra V, Consales A, Cama A, Piatelli G. Surgical results of cranioplasty with a polymethylmethacrylate customized cranial implant in pediatric patients: a single-center experience. *J Neurosurg Pediatr*. 2016 Jun;17(6):705-10. doi: 10.3171/2015.10.PEDS15489. Epub 2016 Jan 29. PMID: 26824593.

<https://hdl.handle.net/11567/884944>

3: Würth R, Barbieri F, Pattarozzi A, Gaudenzi G, Gatto F, **Fiaschi P**, Ravetti JL, Zona G, Daga A, Persani L, Ferone D, Vitale G, Florio T. Phenotypical and Pharmacological Characterization of Stem-Like Cells in Human Pituitary Adenomas. *Mol Neurobiol*. 2017 Sep;54(7):4879-4895. doi: 10.1007/s12035-016-0025-x. Epub 2016 Aug 11. PMID: 27514754.

<https://hdl.handle.net/11567/848976>

4: Battaglini D, Anania P, Rocco PRM, Brunetti I, Prior A, Zona G, Pelosi P, **Fiaschi P**. Escalate and De-Escalate Therapies for Intracranial Pressure Control in Traumatic Brain Injury. *Front Neurol*. 2020 Nov 24;11:564751. doi: 10.3389/fneur.2020.564751. PMID: 33324317; PMCID: PMC7724991.

<https://hdl.handle.net/11567/1040532>

5: **Fiaschi P**, Morana G, Anania P, Rossi A, Consales A, Piatelli G, Cama A, Pavanello M. Tonsillar herniation spectrum: more than just Chiari I. Update and controversies on classification and management. *Neurosurg Rev*. 2020 Dec;43(6):1473-1492. doi: 10.1007/s10143-019-01198-x. Epub 2019 Nov 10. PMID: 31709466.

<https://hdl.handle.net/11567/986282>

6: **Fiaschi P**, Iaccarino C, Stefini R, Prior E, Prior A, Zona G. Clinical practice for antiplatelet and anticoagulant therapy in neurosurgery: data from an Italian survey and summary of current recommendations - part I, antiplatelet therapy. *Neurosurg Rev*. 2021 Feb;44(1):485-493. doi: 10.1007/s10143-019-01229-7. Epub 2020 Jan 17. PMID: 31953783.

<https://hdl.handle.net/11567/1000867>

7: Prior A, **Fiaschi P**, Iaccarino C, Stefini R, Battaglini D, Balestrino A, Anania P, Prior E, Zona G. How do you manage ANTICOagulant therapy in neurosurgery? The ANTICO survey of the Italian Society of Neurosurgery (SINCH). *BMC Neurol*. 2021 Mar 3;21(1):98. doi: 10.1186/s12883-021-02126-7. PMID: 33658003; PMCID: PMC7927258.

<https://hdl.handle.net/11567/1044576>

- 8: Anania P, Battaglini D, Balestrino A, D'Andrea A, Prior A, Ceraudo M, Rossi DC, Zona G, **Fiaschi P**. The role of external ventricular drainage for the management of posterior cranial fossa tumours: a systematic review. *Neurosurg Rev*. 2021 Jun;44(3):1243-1253. doi: 10.1007/s10143-020-01325-z. Epub 2020 Jun 3. PMID: 32494987. <https://hdl.handle.net/11567/1036027>
- 9: Anania P, Battaglini D, Miller JP, Balestrino A, Prior A, D'Andrea A, Badaloni F, Pelosi P, Robba C, Zona G, **Fiaschi P**. Escalation therapy in severe traumatic brain injury: how long is intracranial pressure monitoring necessary? *Neurosurg Rev*. 2021 Oct;44(5):2415-2423. doi: 10.1007/s10143-020-01438-5. Epub 2020 Nov 19. PMID: 33215367; PMCID: PMC7676754. <https://hdl.handle.net/11567/1040509>
- 10: Robba C, Ball L, Battaglini D, Iannuzzi F, Brunetti I, **Fiaschi P**, Zona G, Taccone FS, Messina A, Mongodi S, Pelosi P. Effects of positive end-expiratory pressure on lung ultrasound patterns and their correlation with intracranial pressure in mechanically ventilated brain injured patients. *Crit Care*. 2022 Jan 28;26(1):31. doi: 10.1186/s13054-022-03903-7. PMID: 35090525; PMCID: PMC8796179. <https://hdl.handle.net/11567/1078145>
- 11: Barbieri F, Bosio AG, Pattarozzi A, Tonelli M, Bajetto A, Verduci I, Cianci F, Cannavale G, Palloni LMG, Francesconi V, Thellung S, **Fiaschi P**, Mazzetti S, Schenone S, Balboni B, Girotto S, Malatesta P, Daga A, Zona G, Mazzanti M, Florio T. Chloride intracellular channel 1 activity is not required for glioblastoma development but its inhibition dictates glioma stem cell responsivity to novel biguanide derivatives. *J Exp Clin Cancer Res*. 2022 Feb 8;41(1):53. doi: 10.1186/s13046-021-02213-0. PMID: 35135603; PMCID: PMC8822754. <https://hdl.handle.net/11567/1069064>
- 12: Iturrioz-Rodríguez N, De Pasquale D, **Fiaschi P**, Ciofani G. Discrimination of glioma patient-derived cells from healthy astrocytes by exploiting Raman spectroscopy. *Spectrochim Acta A Mol Biomol Spectrosc*. 2022 Mar 15;269:120773. doi: 10.1016/j.saa.2021.120773. Epub 2021 Dec 16. PMID: 34952436. <https://hdl.handle.net/11567/1134375>
- 13: Bianconi A, Prior A, Zona G, **Fiaschi P**. Anticoagulant therapy in high grade gliomas: a systematic review on state of the art and future perspectives. *J Neurosurg Sci*. 2023 Apr;67(2):236-240. doi: 10.23736/S0390-5616.21.05536-3. Epub 2021 Nov 11. PMID: 34763392. <https://hdl.handle.net/11567/1134376>
- 14: Colonna S, Bianconi A, Cofano F, Prior A, Di Perna G, Palmieri G, Zona G, Garbossa D, **Fiaschi P**. Radiofrequency Ablation in Vertebral Body Metastasis with and without Percutaneous Cement Augmentation: A Systematic Review Addressing the Need for SPINE Stability Evaluation. *Diagnostics (Basel)*. 2023 Mar 18;13(6):1164. doi: 10.3390/diagnostics13061164. PMID: 36980472; PMCID: PMC10046948. <https://hdl.handle.net/11567/1134195>
- 15: Barbieri F, Bajetto A, Dellacasagrande I, Solari A, Wurth R, Fernandez V, Rancati S, Ceresa D, Appolloni I, De Luca G, Dono M, Nozza P, Schiapparelli P, Gambaro M, **Fiaschi P**, Gaggero G, Costanzo N, Thellung S, Malatesta P, Pagano A, Zona G, De Pietri Tonelli D, Florio T. Stem-like signatures in human meningioma cells are under the control of CXCL11/CXCL12 chemokine activity. *Neuro Oncol*. 2023 Apr 19;noad076. doi: 10.1093/neuonc/noad076. Epub ahead of print. PMID: 37074930. <https://hdl.handle.net/11567/1129216>
- 16: De Pasquale D, Pucci C, Desii A, Marino A, Debellis D, Leoncino L, Prato M, Moscato S, Amadio S, **Fiaschi P**, Prior A, Ciofani G. A Novel Patient-Personalized Nanovector Based on Homotypic Recognition and Magnetic Hyperthermia for an Efficient Treatment of Glioblastoma Multiforme. *Adv Healthc Mater*. 2023 Jul;12(19):e2203120. doi: 10.1002/adhm.202203120. Epub 2023 May 2. PMID: 37058273. <https://hdl.handle.net/11567/1134395>
- 17: Baldassarre B, Balestrino A, D'Andrea A, Anania P, Ceraudo M, Truffelli M, Melloni I, Mavilio N, Castellan L, Zona G, **Fiaschi P**. Management of spinal aneurysms associated with arteriovenous malformations: systematic literature review and illustrative case. *Eur Spine J*. 2021 Oct;30(10):2767-2774. doi: 10.1007/s00586-021-06881-6. Epub 2021 May 27. PMID: 34043050. <https://hdl.handle.net/11567/1055422>
- 18: Garibotto F, Pavanello M, Milanaccio C, Gaggero G, **Fiaschi P**. Management of hydrocephalus related to diffuse leptomeningeal glioneuronal tumour: a multifaceted condition. *Childs Nerv Syst*. 2021 Apr;37(4):1039-1040. doi: 10.1007/s00381-020-04867-1. Epub 2020 Aug 20. PMID: 32816061. <https://hdl.handle.net/11567/1040507>

19: Bonada M, Rossi LF, Carone G, Panico F, Cofano F, **Fiaschi P**, Garbossa D, Di Meco F, Bianconi A. Deep Learning for MRI Segmentation and Molecular Subtyping in Glioblastoma: Critical Aspects from an Emerging Field. Biomedicines. 2024 Aug 16;12(8):1878. doi: 10.3390/biomedicines12081878. PMID: 39200342; PMCID: PMC11352020. <https://hdl.handle.net/11567/1224017>

20: Alzoubi H, Gianno F, Abuelhaija Y, Najadat AA, Mustafa A, Al-Arman AY, Al- Arman LY, Banihani D, Mustafa A, Abualdhab N, Broggi G, Gaggero G, Piol N, **Fiaschi P**, Miele E, Giangaspero F. Cerebellar liponeurocytoma in an elderly patient: DNA methylation profiling as a helpful diagnostic tool. Clin Neuropathol. 2022 Jan-Feb;41(1):12-17. doi: 10.5414/NP301415. PMID: 34672257. <https://hdl.handle.net/11567/1134396>

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