|  |  |
| --- | --- |
| PERSONAL INFORMATION | Elisa R. Zanier |
|  | |
|  | Via Giusti 9, 20154, Milan, Italy |
| 02 39014204  348 8582073 |
| [elisa.zanier@marionegri.it](mailto:elisa.zanier@marionegri.it) |
| [personal website](https://www.marionegri.it/laboratori/laboratorio-danno-celebrale-acuto-e-strategie-terapeutiche) |
|  |
| Sex Female | Date of birth 02/11/1974 | Nationality Italian and Swiss |

|  |  |
| --- | --- |
| WORK EXPERIENCE |  |

|  |  |
| --- | --- |
| 2023 – present  Name and address of employer  Type of business or sector  Main activities and responsibilities | Head of the Department of Acute Brain and Cardiovascular Injury |
| Mario Negri Institute for Pharmacological Research IRCCS  Via Mario Negri 2, 20156 Milan, Italy  Biomedical Research |
| Coordination of Laboratories and Research Groups |
|  |
| 2023 – present  Name and address of employer  Type of business or sector  Main activities and responsibilities | Head of the Laboratory of Traumatic Brain Injury and Neuroprotection |
| Mario Negri Institute for Pharmacological Research IRCCS  Dept. Acute Brain and Cardiovascular Injury  Via Mario Negri 2, 20156 Milan, Italy  Biomedical Research |
| Coordination of research groups, teaching |
| 2021 – present  Name and address of employer  Main activities and responsibilities | PhD Course Coordinator |
| Mario Negri Institute for Pharmacological Research IRCCS  Via Mario Negri 2, 20156 Milan, Italy |
| Coordinator of the international Graduate Program (PhD course) organized in collaboration with the Open University (Milton Keynes, UK) |
| 2020 March – June  Name and address of employer  Type of business or sector  Main activities and responsibilities | Research Coordinator at Rianimazione 1 Fiera, Fondazione IRCCS Cà Granda Ospedale Maggiore Policlinico |
| Mario Negri Institute for Pharmacological Research IRCCS  Via Mario Negri 2, 20156 Milan, Italy  Biomedical Research |
| Coordination of research group, training manager |
| 2016 – 2022  Name and address of employer  Type of business or sector  Main activities and responsibilities | Head of the Laboratory of Acute Brain Injury and Therapeutic Strategies |
| Mario Negri Institute for Pharmacological Research IRCCS  Dept. Neuroscience  Via Mario Negri 2, 20156 Milan, Italy  Biomedical Research |
| Coordination of research groups, teaching |
| 2012 – 2016  Name and address of employer  Type of business or sector | Head of the Unit of Cell Therapy and Acute Brain Injury |
| Mario Negri Institute for Pharmacological Research IRCCS  Dept. Neuroscience  Via G. La Masa 19, 20156 Milan, Italy  Biomedical Research |
|  |
| 2007 – present  Type of business or sector | Teaching assignment in Anesthesia and Critical Care Medicine |
| University of Milan |
|  |
| 2007 – 2012  • Name and address of employer  • Type of business or sector  • Main activities and responsibilities | Associate Researcher at Laboratory of Inflammation and Nervous System Diseases |
| Mario Negri Institute for Pharmacological Research  Dept. Neuroscience  Via Giuseppe La Masa 19, 20156 Milan, Italy  Biomedical Research |
| Experimental planning and discussion field of research traumatic brain injury, teaching |
| 2003 – 2008  • Name and address of employer  • Type of business or sector  • Main activities and responsibilities | Assistant Physician |
| Neurosurgical Intensive Care Unit, Department of Anesthesia and Critical Care Medicine  Ospedale Maggiore Policlinico, Via F. Sforza, Milan, Italy  IRCCS University Hospital, Milan |
| Neurointensive care and Neuroanesthesia |
| 2000 – 2007  • Name and address of employer  • Type of business or sector  • Main activities and responsibilities | Consultant in Neurointensive Care (permanent position)  Critical Care Medicine and Anesthesiology, Department of Neuroscience  Ospedale Maggiore Policlinico, Via F. Sforza, Milan, Italy  IRCCS University Hospital, Milan  Neurointensive care and Neuroanesthesia |
|  |  |

|  |  |
| --- | --- |
| EDUCATION AND TRAINING |  |

|  |  |
| --- | --- |
| 2000 – 2002  • Name and type of organization providing education and training  • Principal subjects/occupational skills covered | Post-doctoral fellowship |
| University of California Los Angeles (UCLA), Neurotrauma Laboratory, Neurosurgery division |
| Neurobiological sciences, metabolic studies, traumatic brain injury models |
| 1998 – 2001  • Name and type of organization providing education and training  • Principal subjects/occupational skills covered | Specialization in Anesthesia and Critical Care Medicine (score: 70/70) |
| University of Milan, Italy |
| Residency in Anesthesia and Critical Care Medicine |
| 1992 – 1998  • Name and type of organization providing education and training  • Principal subjects/occupational skills covered | Medical Degree (score: 110/110) |
| University of Milan, Italy |
| School of Medicine |
| 1988 – 1992  • Name and type of organization providing education and training  • Principal subjects/occupational skills covered | High school diploma |
| International High School Montana  Zugerberg, Zug, Swiss |
| Sciences - high school specialized in science education |

|  |  |
| --- | --- |
| PERSONAL SKILLS |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mother tongue(s) | ITALIAN | | | | |
|  |  | | | | |
| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
| Listening | Reading | Spoken interaction | Spoken production |  |
| English | C1 | C1 | C1 | C1 | C1 |
|  | Replace with name of language certificate. Enter level if known. | | | | |
| German | C1 | C1 | B2 | B2 | B2 |
|  | Replace with name of language certificate. Enter level if known. | | | | |
|  | Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr) | | | | |

|  |  |
| --- | --- |
| Driving licence | B |

|  |  |
| --- | --- |
| ADDITIONAL INFORMATION |  |

Areas of interest:

The main interest of the research activity is the understanding of the pathobiology and the development of therapeutic strategies for acute brain injury with a major interest in traumatic brain injury (TBI) and ischemic/hemorrhagic stroke including subarachnoid hemorrhage. Specific areas of interest are:

* + The understanding of the mechanisms transforming an initial acute biomechanical injury into a chronic and progressive pathology.
  + The understanding of the heterogeneity of TBI and the identification of brain imaging and circulating biomarkers of injury evolution and repair.
  + The identification of a proteomic, metabolomic and microRNA biosignatures for spontaneous post-traumatic epilepsy combining preclinical and clinical studies.
  + The development of therapeutic strategies targeting - protein misfolding, - immune cell activation.
  + The development of therapeutic strategies based on mesenchymal stem cells and their secretome promoting the endogenous reparative response.

Awards:

* 2024 CURE EPILEPSY featuring Dr. Elisa Zanier, August 7, 2024, Episode #140 - Post-Traumatic Epilepsy: What We Know and Where the Research is Going.
* 2018 Interview by H. Wood published in Nat Rev Neurol 14, 570–571 (2018) as a research highlight commenting our paper (Zanier et al., Brain 2018) on traumatic brain injury and transmissible tau pathology.
* 2018 Invited Speaker at the Nobel Forum attended by the Swedish Queen, Karolinska Institutet - Head trauma in sports and risk for dementia.
* 2014 Recipient of the Rita Levi-Montalcini Award, ESICM, Barcelona.
* 2013 Academic qualification to function as Associate Professor in Anesthesia and Critical Care Medicine, Italian Ministry of Instruction, University and Research (MIUR) - (06/D6), Italy.
* 2013 Round Table conference on “Neuroprotection: clinical aspects”; Brussels.
* 2010 Recipient of the Young Investigator Award, Italian Ministry of Health; Italy.
* 2004 Recipient of the Young Investigator Award, International Neurotrauma Society; Australia.

Supervision of graduate students and postdoctoral fellows:

* 2014-present: Supervisor of 6 postdocs at Mario Negri Institute for Pharmacological Research IRCCS, Milan, Italy.
* 2011-present: Supervisor of 4 students at the Pharmacological Research Specialization Course, Mario Negri Institute for Pharmacological Research IRCCS, Milan, Italy.
* 2011-present: Supervisor of 3 PhD students at University of Milano-Bicocca, Open University (UK), Doctorate School.
* 2010-present: Co-supervisor of 9 Master Students (Faculties of Biotechnology, Biology, Pharmaceutical Chemistry and Technology, and Biomedical Engineering, Italy).
* 2009-present: Supervisor of 11 medical students (Faculty of Medicine, University of Milan, Italy).

Hosting and supervising international visiting researcher fellowships:

* 2021: Filippo Annoni – MD, PhD student – Erasmus University, Brussels, Belgium.
* 2019-2020: Helena Isabel Alvites Cavaleiro – PhD student – University of Minho - Braga, Portugal.
* 2018-2019: Jullian Dalmeier – Graduate Student – University of Miami, Florida, USA.
* 2018: Erik Fraunberger – PhD Student – University of Calgary, Canada – Winner of the International Research excellence Travel Award.

Hosting and supervising visiting critical care medicine fellows:

* 2021: Erica Ferrari, MD - resident in Critical Care Medicine and Anesthesiology - University of Milan.
* 2019-2020: Marica Montanarella, MD - resident in Critical Care Medicine and Anesthesiology - University of Milan.
* 2018-2019: Francesca Fossi, MD - resident in Critical Care Medicine and Anesthesiology - University of Milano Bicocca.
* 2012-2013: Emanuela Parotto, MD - resident in Critical Care Medicine and Anesthesiology - University of Padua.

Teaching activities:

* 2007-present: Teaching assignment in Anesthesia and Critical Care Medicine, University of Milan.
* 2016-present: Teaching activity at Master courses:
  + June 13-17, 2022: Neurointensive Care: update 2022, “Applied Neuropathophysiology”, University of Milano Bicocca.
  + June 10-14, 2019: Neurointensive Care: update 2019, Lake Como School of Advanced Studies.
  + June 14-15, 2018: Extracellular vescicles (EV): microvescicoles, exosomes and their involvement in the cellular physiological and pathological functions, University of Milan Dip. Scienze Farmacologiche e Biomolecolari.
  + June 4-8, 2018: Neurointensive Care: update 2018, Lake Como School of Advanced Studies.
  + June 4-8, 2017: Neurointensive Care: update 2017, University of Milano Bicocca.
  + May 17-20, 2016: 15th Advanced Training Course. Project ‘Progressi in Biologia e Medicina’. Presentation Title “Neuroinflammation: impact on long term recovery after traumatic brain injury”, Collegio Ghislieri Centro per la Comunicazione e la Ricerca, Pavia.
  + January 18-23, 2016: Master course on Methodology for Therapeutic Development in Neurology, Presentation Title: Cellule staminali per il danno cerebrale acuto: Neuroprotezione e Neuro rigenerazione, University La Sapienza, Rome.
  + May 13th 2015: Regenerative Medicine Course, “Strategie riparative per il trauma cranico”, Scuola Superiore Sant’Anna Pisa.

Organisation of scientific meetings:

* 2024: International Conference on Post-Traumatic Epilepsy (IC-PTE) / <https://www.ic-pte2024.com> / NIH funded / number of participants: 70 / Milan, Italy
* 2016: 7th Meeting of the Forum of Italian Researchers on Mesenchymal and Stromal Stem Cells / [www.stemcellsfirst.org/first-7th](http://www.stemcellsfirst.org/first-7th) / number of participants: 400 / Milan, Italy.
* 2016: BIS16: Brain Ischemia and Stroke conference / [www.bis16](http://www.bis16) / number of participants: 350 / Rome, Italy.

Institutional responsibilities:

* 2024-present: Vice President of European Neurotrauma Organization (ENO).
* 2023-present: Director of the SATURNE Biobank and member of the Scientific Technical Committee of the Biological Resources Centre (BRC), IRFMN IRCCS.
* 2022-present: Member of the Executive board of the National Virtual Institute of Cerebrovascular Diseases, IRCCS Network, Ministry of Health.
* 2022-present: Member of the High Council for the Evaluation of Research and Higher Education (France) – Neuroscience Panel Expert.
* 2022-present: Scientific Advisory Board: Member of the Executive Committee of the International TBI research network (InTBIR), Chair of the Fundamental and translational Working Group.
* 2022-present: Member of European Neurotrauma Organization (ENO).
* 2021-present: Coordinator of the PhD course organized in collaboration with the Open University UK.
* 2018-present: Member of the Translational Biology Group (TBG) section of the European Society of Intensive Care.
* 2018-present: PINK Concussions Professional Advisory Board Member (PINK Pro AB).
* 2015-present: Biomarker Committee, CREACTIVE (Collaborative REsearch on ACute Traumatic brain Injury in intensiVE care medicine; European FP7 project, and part of InTBIR).
* 2014-present: Member of the NeuroIntensive Care (NIC) section of the European Society of Intensive Care Medicine.

Editorial activities:

* 2021-present: Editorial Board of the following Scientific Journals: Journal of Neurotrauma, Frontiers in Immunology
* 2019-present: Associate Editor, Frontiers in Neurology, section Neurotrauma
* 2013-present: Section editor, Intensive Care Medicine Experimental

Grant reviewing activities:

* 2021-present: Academy of Finland (Neuroscience Panel).
* 2019-present: European Research Council (ERC-consolidator).
* 2018-present: American Alzheimer’s Association Grant Program (AARG and AARF).
* 2016-present: European Society of Intensive Care Medicine (ESICM).
* 2016-present: Medical Research Council (Neuroscience, UK).

Reviewer activity for scientific journals:

Reviewer for the following Scientific Journals: Brain, Lancet Neurology, Science Translational Medicine, JCI, JCI Insights, Intensive Care Medicine, Critical Care Medicine, Stroke, Neurology, Journal of Neurotrauma, Journal of Neuroinflammation, Experimental Neurology, Cell Transplantation, Clinical Science, Journal of Cerebral Blood Flow and Metabolism, Neuropharmacology, NeuroTherapeutics, PlosOne, Neuroscience, Frontiers in Immunology, Frontiers in Neuroscience, Stem Cell Research & Therapy, Stem Cells

|  |  |
| --- | --- |
| PUBLICATIONS |  |

More than 100 peer-reviewed papers; total number of citations 7267; h-index= 46 (Google scholar), 5 book chapters

1. [Rossi S, Stocchetti N, Longhi L, Balestreri M, Spagnoli D, Zanier ER, Bellinzona G](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=11229709&dopt=Abstract). Brain oxygen tension, oxygen supply, and oxygen consumption during arterial hyperoxia in a model of progressive cerebral ischemia. **Journal of Neurotrauma** 18(2): 163-174, 2001. PubMed PMID: 11229709
2. Rossi S, Zanier ER, Mauri I, Colombo A, Stocchetti N. Brain temperature, body core temperature, and intracranial pressure in acute cerebral damage. **J Neurol Neurosurg Psychiatry** 71(4): 448-454, 2001. PubMed PMID: 11561026.
3. Rossi S, Colombo A, Magnoni S, Zanier ER, Conte V, Stocchetti N. Cerebral veno-arterial pCO2 difference as an estimator of uncompensated cerebral hypoperfusion. **Acta Neurochirurgica**. 81 [Suppl]: 201-204, 2002. PubMed PMID: 12168304.
4. Stocchetti N, Rossi S, Zanier ER, Colombo A, Beretta L, Citerio G. Pyrexia in head-injured patients admitted to intensive care. **Intensive Care Medicine** 28(11): 1555-1562, 2002. PubMed PMID: 12415441.
5. Zanier ER, Lee S, Vespa P, Giza C, Hovda D. Increased hippocampal CA3 vulnerability to low-level kainic acid following lateral fluid percussion injury. **J Neurotrauma** 20(5): 409-420, 2003. PMID: 12803974
6. Longhi L, Zanier ER, Valeriani V, Ghisoni L, Besozzi C, Ferrari C, Stocchetti N. Brain vulnerability and its modulation. **Minerva Anestesiol**. 69: 227-31, 2003. PubMed PMID: 12766712
7. Ip EY, Zanier ER, Moore AH, Lee SM, Hovda DA. Metabolic, Neurochemical, and Histologic Responses to Vibrissa Motor Cortex Stimulation after Traumatic Brain Injury. **J Cereb Blood Flow Metab**. 23(8): 900-910, 2003. PubMed PMID: 12902834.
8. Stocchetti N, Longhi L, Magnoni S, Zanier ER, Canavesi K. Head injury, subarachnoid hemorrhage and intracranial pressure monitoring in Italy.**Acta Neurochir**. 145 (9): 761-765, 2003. PubMed PMID: 14505102.
9. Stocchetti N, Zanier ER, Canavesi K, Magnoni S, Protti A, Longhi L. Cerebral oxygen consumption and ischemia in traumatic brain injury. **Minerva Anestesiol**. 70(4): 207-11, 2004. PubMed PMID: 15173697.
10. [Stocchetti N, Canavesi K, Magnoni S, Valeriani V, Conte V, Rossi S, Longhi L, Zanier ER, Colombo A.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15281535) Arterio-jugular difference of oxygen content and outcome after head injury. **Anesth Analg**. 99(1):230-4, 2004. PubMed PMID: 152781535.
11. Stocchetti N, Protti A, Lattuada M, Magnoni S, Longhi L, Ghisoni L, Egidi M, Zanier ER. Impact of pyrexia on neurochemistry and cerebral oxygenation after acute brain injury. **J Neurol Neurosurg Psychiatry** 76 (8):1135-1139, 2005. PubMed PMID: 16024893.
12. Stocchetti N, Zanier ER, Nicolini R, Faegersten E, Canavesi K, Conte V, and Gattinoni L. Oxygen and Carbon Dioxide in the Cerebral Circulation during Progression to Brain Death. **Anesthesiology** 103 (5): 957-961, 2005. PubMed PMID: 16249669
13. Longhi L, Zanier ER, Royo N, Stocchetti N, McIntosh TK. Stem cell transplantation as a therapeutic strategy for traumatic brain injury. **Transplant Immunology** 15 (2): 143–148, 2005. PubMed PMID: 16024893.
14. [Zanier ER, Rossi S, Conte V, Colombo A, Nicolini R, Caironi P, Stocchetti N, Gattinoni L.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16682928&query_hl=4&itool=pubmed_docsum) The ratio between arterio-venous PCO2 difference and arterio-jugular oxygen difference as estimator of critical cerebral hypoperfusion. **Minerva Anestesiol**. 72(6):543-9, 2006. PubMed PMID: 16682928.
15. Magnoni S, Zanier ER, and Stocchetti N. Comment on "Levels of vancomycin in the cerebral interstitial fluid after severe head injury" by Caricato et al. **Intensive Care Med**, 32(7): 1096, 2006. PubMed PMID: 16791680.
16. Zanier ER, Ortolano F, Ghisoni L, Losappio S, Colombo A, Stocchetti N. Intracranial pressure monitoring in intensive care: clinical advantages of a computerized system over manual recording. **Crit Care** 11(1): R7, 2007. PubMed PMID: 17233895.
17. Stocchetti N, Colombo A, Ortolano F, Videtta W, Marchesi R, Longhi L, Zanier ER. Time course of intracranial hypertension after traumatic brain injury**. J Neurotrauma**. 24(8): 1339-46, 2007. PubMed PMID: 17711395.
18. Longhi L, Pagan F, Valeriani V, Magnoni S, Zanier ER, Conte V, Branca V, Stocchetti N. Monitoring brain tissue oxygen tension in brain-injured patients reveals hypoxic episodes in normal-appearing and in peri-focal tissue. **Intensive Care Med**. 33(12):2136-42, 2007. PubMed PMID: 17846748.
19. Stocchetti N, Zanaboni C, Colombo A, Citerio G, Beretta L, Ghisoni L, Zanier ER, Canavesi K. Refractory intracranial hypertension and "second-tier" therapies in traumatic brain injury. **Intensive Care Med**. 34(3):461-7, 2008. PubMed PMID: 18066523.
20. Stocchetti N, Longhi L, Zanier ER. Intracranial pressure monitoring for traumatic brain injury: available evidence and clinical implications. **Minerva Anestesiol**. 74(5):197-203, 2008. Review. PubMed PMID: 18414362.
21. Stocchetti N, Zanier ER, Magnoni S, Canavesi K, Ghisoni L, Longhi L. Hypothermia for brain protection in the non-cardiac arrest patient. **Minerva Anestesiol**. 74(6):315-8, 2008. Review. PubMed PMID: 18500206.
22. ZanierER,LonghiL, FioriniM, Cracco L, BersanoA, ZoerleT, BrancaV, MonacoS, StocchettiN. Increased levels of CSF heart-type fatty acid-binding protein and tau protein after aneurismal subarachnoid hemorrhage. **Acta Neurochir**. Acta Neurochir Suppl. 102:339-43, 2008. PubMed PMID: 19388342.
23. LonghiL, PeregoC, ZanierER, OrtolanoF, BianchiP, StocchettiN, De SimoniMG. Neuroprotective effect of C1-Inhibitor following traumatic brain injury in mice. Acta Neurochir. **Acta Neurochir Suppl**. 102:381-4, 2008. PubMed PMID: 19388350.
24. LonghiL, OrtolanoF, ZanierER, PeregoC, StocchettiN, De SimoniMG. Effect of traumatic brain injury on cognitive function in mice lacking p55 and p75 tumor necrosis factor receptors. Acta Neurochir. **Acta Neurochir Suppl**. 102:409-13, 2008. PubMed PMID: 19388357.
25. Longhi L, Perego C, Ortolano F, Zanier ER, Bianchi P, Stocchetti N, McIntosh TK, De Simoni MG. C1-inhibitor attenuates neurobehavioral deficits and reduces contusion volume after controlled cortical impact brain injury in mice. **Crit Care Med**. 37(2):659-65, 2009. PubMed PMID: 19114897.
26. Gesuete R, Storini C, Fantin A, Stravalaci M, Zanier ER, Orsini F, Vietsch H, Mannesse MLM, Ziere B, Gobbi M and De Simoni MG Recombinant C1-inhibitor in Brain Ischemic Injury. **Annals of Neurology**, 66(3):332-342, 2009. PubMed PMID: 19798727.
27. Ortolano F, Colombo A, Zanier ER, Sclip A, Longhi L, Perego C, Stocchetti N, Borsello T, De Simoni MG. [c-Jun N-terminal kinase pathway activation in human and experimental cerebral contusion.](http://www.ncbi.nlm.nih.gov/pubmed/19680147) **J Neuropathol Exp Neurol**. 68(9):964-71, 2009. PubMed PMID: 19680147
28. Zanier ER, Refai D, Zipfel GJ, Zoerle T, Longhi L, Esparza TJ, Spinner ML, Bateman RJ, Brody DL, Stocchetti N. Neurofilament light chain levels in ventricular cerebrospinal fluid following acute aneurysmal subarachnoid hemorrhage. **J Neurol Neurosurg Psychiatry**. 82(2):157-9, 2011. PubMed PMID: 20571038.
29. Zanier ER, Brandi G, Peri G, Longhi L, ZoerleT, Tettamanti M, Garlanda C, Sigurtà A, Valaperta S, Mantovani A, De Simoni MG, Stocchetti N. Cerebrospinal fluid pentraxin 3 early after subarachnoid hemorrhage is associated with vasospasm. **Intensive Care Med**. 37(2):302-9, 2011. PubMed PMID: 21072498.
30. Gesuete R, Orsini F, Zanier ER, Albani D, Deli MA, Bazzoni G, and De Simoni MG. Glial Cells Drive Preconditioning-Induced Blood-Brain Barrier Protection. **Stroke**, 42(5): 1445 – 1453, 2011. PubMed PMID: 21474800.
31. Zanier ER, Montinaro M, Viganò M, Villa P, Fumagalli S, Pischiutta F, Longhi L, Leoni ML, Rebulla P, Stocchetti N, Lazzari L, De Simoni MG. Human umbilical cord blood mesenchymal stem cells protect mice brain after trauma. **Crit Care Med**. 39(11):2501-2510, 2011. PubMed PMID: 21725237.
32. Bersano A, Debette S, Zanier ER, Lanfranconi S, De Simoni MG, Zuffardi O, Micieli G. [The Genetics of Small-Vessel Disease.](http://www.ncbi.nlm.nih.gov/pubmed/22680632) **Curr Med Chem**. 19(24):4124-41, 2011. Review. PubMed PMID: 22680632.
33. Orsini F, Villa P, Parrella S, Zangari R, Zanier ER, Gesuete R, Stravalaci M, Fumagalli S, Ottria R, Reina JJ, Paladini A, Micotti E, Ribeiro-Viana R, Rojo J, Pavlov VI, Stahl GL, Bernardi A, Gobbi M, De Simoni MG. Targeting mannose-binding lectin confers long lasting protection with a surprisingly wide therapeutic window in cerebral ischemia. **Circulation**. 18;126(12):1484-94, 2012. PubMed PMID: 22879370.
34. Longhi L, Perego C, Ortolano F, Aresi S, Fumagalli S, Zanier ER, Stocchetti N, De Simoni MG. Tumor necrosis factor in traumatic brain injury: effects of genetic deletion of p55 or p75 receptor. **J Cereb Blood Flow Metab.** 33(8):1182-9, 2013. PubMed PMID: 23611870.
35. Zanier ER, Zoerle T, Fiorini M, Longhi L, Cracco L, Bersano A, Branca V, Benedetti VB, De Simoni MG, Monaco M and Stocchetti N. Heart-fatty acid-binding and tau proteins relate to brain injury severity and long-term outcome in subarachnoid haemorrhage patients. **Br J Anaesth**. 111(3):424-32, 2013. PubMed PMID: 23650253.
36. Zanier ER, Pischiutta F, Villa P, Paladini A, Montinaro M, Micotti E, Orrù A, Cervo L and De Simoni MG. Six month ischemic mice show sensorimotor and cognitive deficits associated with brain atrophy and axonal disorganization. **CNS Neurosci Ther.** 19(9):695-704, 2013. PubMed PMID: 23742688.
37. Franke H, Parravicini C, Lecca D, Zanier ER, Heine C, Bremicker K, Fumagalli M, Rosa P, Longhi L, Stocchetti N, De Simoni MG, Weber M, Abbracchio MP. Changes of the GPR17 receptor, a new target for neurorepair, in neurons and glial cells in patients with traumatic brain injury. **Purinergic Signal** 9(3):451-62, 2013. PubMed PMID: 23801362.
38. Pischiutta F, D'Amico G, Dander E, Biondi A, Biagi E, Citerio G, De Simoni MG, Zanier ER. Immunosuppression does not affect human bone marrow mesenchymal stromal cell efficacy after transplantation in traumatized mice brain. **Neuropharmacology** 79:119-26, 2014. PubMed PMID: 24246661.
39. Zanier ER, Zangari R, Munthe-Fog L, Hein E, Zoerle T, Conte V, Orsini F, Tettamanti M, Stocchetti N, Garred P, and De Simoni MG. Article Ficolin-3–mediated lectin complements pathway activation in patients with subarachnoid hemorrhage. **Neurology** 14;82(2):126-34, 2014. PubMed PMID: 24336142.
40. Zanier ER, Pischiutta F, Riganti L, Marchesi F, Turola E, Fumagalli S, Perego C, Parotto E, Vinci P, Veglianese P, D'Amico G, Verderio C, De Simoni MG. Bone marrow mesenchymal stromal cells drive protective M2 microglia polarization after brain trauma. **Neurotherapeutics** 11(3):679-95, 2014. PubMed PMID: 24965140.
41. Orsini F, De Blasio D, Zangari R, Zanier ER, De Simoni MG. [Versatility of the complement system in neuroinflammation, neurodegeneration and brain homeostasis.](http://www.ncbi.nlm.nih.gov/pubmed/25426028) **Front Cell Neurosci**. 7; 8:380, 2014. PubMed PMID: 25426028.
42. Zoerle T, Lombardo A, Colombo A, Longhi L, Zanier ER, Rampini P, Stocchetti N. Intracranial pressure after subarachnoid hemorrhage. **Crit Care Med**. 43(1):168-76, 2015. PubMed PMID: 25318385.
43. Stocchetti N, Taccone FS, Citerio G, Pepe PE, Le Roux PD, Oddo M, Polderman KH, Stevens RD, Barsan W, Maas AI, Meyfroidt G, Bell MJ, Silbergleit R, Vespa PM, Faden AI, Helbok R, Tisherman S, Zanier ER, Valenzuela T, Wendon J, Menon DK, Vincent JL. Neuroprotection in acute brain injury: an up-to-date review. **Crit Care**. 21;19(1):186, 2015. PubMed PMID: 25896893.
44. Zanier ER, Fumagalli S, Perego C, Pischiutta F, De Simoni MG. Shape descriptors of the “never resting” microglia in three different acute brain injury models in mice. **ICMex** 3(1):39, 2015. PubMed PMID: 26215806.
45. Stocchetti N, Magnoni S, Zanier ER. My paper 20 years later: cerebral venous oxygen saturation studied with bilateral samples in the internal jugular veins. **Intensive Care Med.** 41(3):412-7, 2015. PubMed PMID: 25614058.
46. Fumagalli S, Perego C, Pischiutta F, Zanier ER, De Simoni MG. The ischemic environment drives microglia and macrophage function. **Front Neurol**. 8; 6:81, 2015. PubMed PMID: 25904895.
47. Llovera G, Hofmann K, Roth S, Salas-Pérdomo A, Ferrer-Ferrer M, Perego C, Zanier ER, Mamrak U, Rex A, Party H, Agin V, Fauchon C, Orset C, Haelewyn B, De Simoni MG, Dirnagl U, Grittner U, Planas AM, Plesnila N, Vivien D, Liesz A. Results of a preclinical randomized controlled multicenter trial (pRCT): Anti-CD49d treatment for acute brain ischemia. **Sci Transl Med**. 5;7(299):299ra121, 2015. PubMed PMID: 26246166.
48. Zacchetti L, Magnoni S, Di Corte F, Zanier ER, Stocchetti N. Accuracy of intracranial pressure monitoring: systematic review and meta-analysis. **Crit Care**. 2015 Dec 2; 19:420. PubMed PMID: 26627204.
49. Papa S, Caron I, Erba E, Panini N, De Paola M, Mariani A, Colombo C, Ferrari R, Pozzer D, Zanier ER, Pischiutta F, Lucchetti J, Bassi A, Valentini G, Simonutti G, Rossi F, Moscatelli D, Forloni G, Veglianese P. Early modulation of pro-inflammatory microglia by minocycline loaded nanoparticles confers long lasting protection after spinal cord injury. **Biomaterials.** 75:13-24, 2016. PubMed PMID: 26474039.
50. Zangari R\*, Zanier ER\*, Torgano G, Bersano A, Beretta S, Beghi E, Casolla B, Checcarelli N, Lanfranconi S, Maino A, Mandelli C, Micieli G, Orzi F, Picetti E, Silvestrini M, Stocchetti N, Zecca B, Garred P, De Simoni MG; LEPAS group. Early ficolin-1 is a sensitive prognostic marker for functional outcome in ischemic stroke. **J Neuroinflammation**. 20;13(1):16, 2016. \*Authors equal contributions to the work. PubMed PMID: 26792363.
51. Di Deo P, Lingsma H, Nieboer D, Roozenbeek B, Citerio G, Beretta L, Magnoni S, Zanier ER#, Stocchetti N. Clinical results and outcome improvement over time in traumatic brain injury. **J Neurotrauma**. 15;33(22):2019-2025, 2016. #Corresponding author. PubMed PMID: 27905576.
52. Bigini P\*, Zanier ER\*, Saragozza S, Maciotta S, Romele P, Bonassi Signoroni P, Silini A, Pischiutta F, Sammali E, Balducci C, Violatto MB, Talamini L, Garry D, Moscatelli D, Ferrari R, Salmona M, De Simoni MG, Maggi F,Simoni G, Grati FR, Parolini O. Internalization of nanopolymeric tracers does not alter characteristics of placental cells. **Journal of Cellular and Molecular Medicine** Jun;20(6):1036-48, 2016*.* \*Authors equal contributions to the work. PubMed PMID: 26987908.
53. Pischiutta F, Brunelli L, Romele P, Silini A, Sammali E, Paracchini L, Marchini S, Talamini L, Bigini P, Boncoraglio G, Pastorelli R, De Simoni MG, Parolini O, Zanier ER. Protection of brain injury by amniotic mesenchymal stromal cell secreted metabolites. **Crit Care Med** 44(11):e1118-e1131, 2016. PubMed PMID: 27441900.
54. Stocchetti N, Zanier ER. Chronic impact of traumatic brain injury on outcome and quality of life: a narrative review. **Crit Care**. Jun 21;20(1):148, 2016. PubMed PMID: 27323708.
55. Höfling C, Morawski M, Zeitschel U, Zanier ER, Moschke K, Serdaroglu A, Canneva F, von Hörsten S, De Simoni MG, Forloni G, Jäger C, Kremmer E, Roßner S, Lichtenthaler SF, Kuhn PH. Differential transgene expression patterns in Alzheimer mouse models revealed by novel human amyloid precursor protein-specific antibodies. **Aging Cell**.15(5):953-63, 2016. PubMed PMID: 27470171.
56. Zanier ER, Marchesi F, Ortolano F, Perego C, Arabian M, Zoerle T, Sammali E, Pischiutta F, De Simoni MG. Fractalkine Receptor Deficiency Is Associated with Early Protection but Late Worsening of Outcome following Brain Trauma in Mice. **J Neurotrauma**. 2016 June 1;33(11):1060-72. PubMed PMID: 26180940.
57. Perego C, Fumagalli S, Zanier ER, Carlino E, Panini N, Erba E, De Simoni MG. Macrophages are essential for maintaining a M2 protective response early after ischemic brain injury. **Neurobiol Dis**. 2016 Dec; 96:284-293. PubMed PMID: 27697537.
58. Surmacki JM, Ansel-Bollepalli L, Pischiutta F, Zanier ER, Ercole A, Bohndiek SE. Label-free monitoring of tissue biochemistry following traumatic brain injury using Raman spectroscopy. **Analyst**. 2016 Dec 19;142(1):132-139. PubMed PMID: 27905576.
59. De Blasio D, Fumagalli S, Longhi L, Orsini F, Palmioli A, Stravalaci M, Vegliante G, Zanier ER, Bernardi A, Gobbi M, De Simoni MG. Pharmacological inhibition of mannose-binding lectin ameliorates neurobehavioral dysfunction following experimental traumatic brain injury. **J Cereb Blood Flow Metab**. 2017 Mar;37(3):938-950. PubMed PMID: 27165013.
60. Sammali E, Alia C, Vegliante G, Colombo V, Giordano N, Pischiutta F, Boncoraglio GB, Barilani M, Lazzari L, Caleo M, De Simoni MG, Gaipa G, Citerio G, Zanier ER. Intravenous infusion of human bone marrow mesenchymal stromal cells promotes functional recovery and neuroplasticity after ischemic stroke in mice. **Sci Rep**. 2017 Jul 31;7(1):6962. PubMed PMID: 28761170.
61. Zoerle T, Carbonara M, Zanier ER, Ortolano F, Bertani G, Magnoni S, Stocchetti N. Rethinking Neuroprotection in Severe Traumatic Brain Injury: Toward Bedside Neuroprotection. **Front Neurol**. 2017 Jul 24; 8:354. PubMed PMID: 28790967.
62. Ercole A, Magnoni S, Vegliante G, Pastorelli R, Surmacki J, Bohndiek SE, Zanier ER. Current and Emerging Technologies for Probing Molecular Signatures of Traumatic Brain Injury. **Front Neurol**. 2017 Aug 30; 8:450. PMID: PubMed 28912750.
63. Bedini G, Bersano A, Zanier ER, Pischiutta F, Parati EA. Mesenchymal Stem Cell Therapy in Intracerebral Haemorrhagic Stroke. **Curr Med Chem**. 2018;25(19):2176-2197. PubMed PMID: 29332564.
64. Pischiutta F, Sammali E, Parolini O, Carswell HVO, Zanier ER. Placenta-Derived Cells for Acute Brain Injury. **Cell Transplant.** 2018 Jan;27(1):151-167. PubMed PMID: 29562781.
65. Pischiutta F, Micotti E, Hay JR, Marongiu I, Sammali E, Tolomeo D, Vegliante G, Stocchetti N, Forloni G, De Simoni MG, Stewart W, Zanier ER. Single severe traumatic brain injury produces progressive pathology with ongoing contralateral white matter damage one year after injury. **Exp Neurol**. 2018 Feb; 300:167-178. PubMed PMID: 29126888.
66. Oddo M, Poole D, Helbok R, Meyfroidt G, Stocchetti N, Bouzat P, Cecconi M, Geeraerts T, Martin-Loeches I, Quintard H, Taccone FS, Geocadin RG, Hemphill C, Ichai C, Menon D, Payen JF, Perner A, Smith M, Suarez J, Videtta W, Zanier ER, Citerio G. Fluid therapy in neurointensive care patients: ESICM consensus and clinical practice recommendations. **Intensive Care Med.** 2018 Apr;44(4):449-463. PubMed PMID: 29500701.
67. Zanier ER, Zoerle T, Di Lernia D, Riva G. Virtual Reality for Traumatic Brain Injury. **Front Neurol.** 2018 May 16; 9:345. PubMed PMID: 29867748.
68. Zanier ER, Bertani I, Sammali E, Pischiutta F, Chiaravalloti MA, Vegliante G, Masone A, Corbelli A, Smith DH, Menon DK, Stocchetti N, Fiordaliso F, De Simoni MG, Stewart W, Chiesa R. Induction of a transmissible tau pathology by traumatic brain injury. **Brain**. 2018 Sep 1;141(9):2685-2699. PubMed PMID: 30084913.
69. Caccioppola A, Carbonara M, Macrì M, Longhi L, Magnoni S, Ortolano F, Triulzi F, Zanier ER, Zoerle T, Stocchetti N. Ultrasound-tagged near-infrared spectroscopy does not disclose absent cerebral circulation in brain-dead adults. **Br J Anaesth**. 2018 Sep;121(3):588-594. PubMed PMID: 30115257.
70. Rossi S, Picetti E, Zoerle T, Carbonara M**,** Zanier ER, Stocchetti N. Fluid Management in Acute Brain Injury. **Curr Neurol Neurosci Rep**. 2018 Sep 11;18(11):74. PubMed PMID: 30206730.
71. Carbonara M, Fossi F, Zoerle T, Ortolano F, Moro F, Pischiutta F, Zanier ER\*, Stocchetti N. Neuroprotection in Traumatic Brain Injury: Mesenchymal Stromal Cells Can Potentially Overcome Some Limitations of Previous Clinical Trials. **Front Neurol**. 2018 Oct 24; 9:885. **\***Corresponding Author. PubMed PMID: 30405517.
72. Needham EJ, Helmy A, Zanier ER, Jones JL, Coles AJ, Menon DK. The immunological response to traumatic brain injury. **J Neuroimmunol**. 2019 Jul 15; 332:112-125. PubMed PMID: 31005712.
73. De Blasio D, Fumagalli S, Orsini F, Neglia L, Perego C, Ortolano F, Zanier ER, Picetti E, Locatelli M, Stocchetti N, Longhi L, Garred P, De Simoni MG. Human brain trauma severity is associated with lectin complement pathway activation. **J Cereb Blood Flow Metab**. 2019 39(5):794-807. PubMed PMID: 29425056.
74. Risling M, Smith D, Stein TD, Thelin EP, Zanier ER, Ankarcrona M, Nilsson P. Modelling human pathology of traumatic brain injury in animal models. **J Intern Med**. 2019 285(6):594-607. PubMed PMID: 30963638.
75. Vegliante G, Tolomeo D, Drieu A, Rubio M, Micotti E, Moro F, Vivien D, Forloni G, Ali C, Zanier ER. Longitudinal Molecular Magnetic Resonance Imaging of Endothelial Activation after Severe Traumatic Brain Injury. **J Clin Med**. 2019 Jul 30;8(8):1134. PubMed PMID: 31366109.
76. Zoerle T, Caccioppola A, D'Angelo E, Carbonara M, Conte G, Avignone S, Zanier ER, Birg T, Ortolano F, Triulzi F, Stocchetti N. Optic nerve sheath diameter is not related to intracranial pressure in subarachnoid hemorrhage patients. **Neurocritical Care**. 2020 33(2):491-498. PubMed PMID: 32314244.
77. Fraunberger EA, DeJesus P, Zanier ER, Shutt TE, Esser MJ. Acute and Persistent Alterations of Cerebellar Inflammatory Networks and Glial Activation in a Rat Model of Pediatric Mild Traumatic Brain Injury. **Journal of Neurotrauma**. 2020 Jun 1;37(11):1315-30. PubMed PMID: 31808365.
78. Banbury C, Styles I, Eisenstein N, Zanier ER, Vegliante G, Belli A, Logan A, Goldberg Oppenheimer P. Spectroscopic detection of traumatic brain injury severity and biochemistry from the retina. **Biomed Opt Express**. 2020 Oct 8;11(11):6249-6261. PubMed PMID: 33282487.
79. Moro, F., Fossi, F., Magliocca, A., Pascente, R., Sammali, E., Baldini, F., Tolomeo D, Micotti E, Citerio G, Stocchetti N, Fumagalli F, Magnoni S, Latini R, Ristagno G, Zanier ER. Efficacy of acute administration of inhaled argon on traumatic brain injury in mice. **British Journal of Anaesthesia**. 2021 Jan;126(1):256-264. PubMed PMID: 32977957.
80. Santamaria G, Brandi E, La Vitola P, Grandi F, Ferrara G, Pischiutta F, Vegliante G, Zanier ER, Re F, Uccelli A, Forloni G. Intranasal delivery of mesenchymal stem cell secretome repairs the brain of Alzheimer’s mice. **Cell Death & Differentiation**. 2021 Jan;28(1):203-218. PubMed PMID: 32704089.
81. Di Sapia R, Moro F, Montanarella M, Iori V, Micotti E, Tolomeo D, Wang KKW, Vezzani A, Ravizza T, Zanier ER. In-depth characterization of a mouse model of post-traumatic epilepsy for biomarker and drug discovery. **Acta Neuropathol Commun**. 2021 Apr 26;9(1):76. PubMed PMID: 33902685.
82. Zanier ER, Barzago MM, Vegliante G, Romeo M, Restelli E, Bertani I, Natale C, Colnaghi L, Colombo L, Russo L, Micotti E, Fioriti L, Chiesa R, Diomede L. C. elegans detects toxicity of traumatic brain injury generated tau. **Neurobiol Dis**. 2021 Jun; 153:105330. PubMed PMID: 33711491.
83. Stocchetti N, Segre G, Zanier ER, Zanetti M, Campi R, Scarpellini F, Clavenna A, Bonati M. Burnout in Intensive Care Unit Workers during the Second Wave of the COVID-19 Pandemic: A Single Center Cross-Sectional Italian Study. **Int J Environ Res Public Health**. 2021 Jun 5;18(11):6102. PubMed PMID: 34198849.
84. Needham EJ, Stoevesandt O, Thelin EP, Zetterberg H, Zanier ER, Al Nimer F, Ashton NJ, Outtrim JG, Newcombe VFJ, Mousa HS, Simrén J, Blennow K, Yang Z, Hutchinson PJ, Piehl F, Helmy AE, Taussig MJ, Wang KKW, Jones JL, Menon DK, Coles AJ. Complex Autoantibody Responses Occur Following Moderate to Severe Traumatic Brain Injury. **J Immunol**. 2021 Jul 1;207(1):90-100. PubMed PMID: 34145056.
85. Annoni F, Peluso L, Gouvêa Bogossian E, Creteur J, Zanier ER, Taccone FS. Brain Protection after Anoxic Brain Injury: Is Lactate Supplementation Helpful? **Cells**. 2021 Jul 6;10(7):1714. PubMed PMID: 34359883.
86. Huie, J. R., Mondello, S., Lindsell, C. J., Antiga, L., Yuh, EL, Zanier ER, Masson S, Rosario BL, Ferguson, A. R. (2020). Biomarkers for traumatic brain injury: data standards and statistical considerations. **Journal of Neurotrauma**. 2021 Sep 15;38(18):2514-2529. PubMed PMID: 32046588.
87. Pischiutta F, Caruso E, Lugo A, Cavaleiro H, Stocchetti N, Citerio G, Salagdo A, Gallus S, Zanier ER. Systematic review and meta-analysis of preclinical studies testing mesenchymal stromal cells for traumatic brain injury. **NPJ Regenerative Medicine**. 2021 Oct 29;6(1):71. PubMed PMID: 34716332.
88. Moro F, Pischiutta F, Portet A, Needham EJ, Norton EJ, Ferdinand JR, Vegliante G, Sammali E, Pascente R, Caruso E, Micotti E, Tolomeo D, di Marco Barros R, Fraunberger E, Wang KKW, Esser MJ, Menon DK, Clatworthy MR, Zanier ER. Ageing is associated with maladaptive immune response and worse outcome after traumatic brain injury. **Brain Commun**. 2022 Feb 16;4(2):fcac036. PubMed PMID: 35350551.
89. Annoni F, Moro F, Caruso E, Zoerle T, Taccone FS, Zanier ER. Angiotensin-(1-7) as a Potential Therapeutic Strategy for Delayed Cerebral Ischemia in Subarachnoid Hemorrhage. **Front Immunol**. 2022 Mar 9;13:841692. PubMed PMID: 35355989.
90. Moschetti G, Vasco C, Clemente F, Galeota E, Carbonara M, Pluderi M, Locatelli M, Stocchetti N, Abrignani S, Zanier ER, Ortolano F, Zoerle T, Geginat J. Deep Phenotyping of T-Cells Derived From the Aneurysm Wall in a Pediatric Case of Subarachnoid Hemorrhage. **Front Immunol**. 2022 May 31;13:866558. doi. PubMed PMID: 35711453.
91. Meyfroidt G, Bouzat P, Casaer MP, Chesnut R, Hamada SR, Helbok R, Hutchinson P, Maas AIR, Manley G, Menon DK, Newcombe VFJ, Oddo M, Robba C, Shutter L, Smith M, Steyerberg EW, Stocchetti N, Taccone FS, Wilson L, Zanier ER, Citerio G. Management of moderate to severe traumatic brain injury: an update for the intensivist. **Intensive Care Med**. 2022 Jun;48(6):649-666.. PubMed PMID: 35595999.
92. Biagianti B, Di Liberto A, Nicolò Edoardo A, Lisi I, Nobilia L, de Ferrabonc GD, Zanier ER, Stocchetti N, Brambilla P. Cognitive Assessment in SARS-CoV-2 Patients: A Systematic Review. **Front Aging Neurosci**. 2022 Jul 1;14:909661. PubMed PMID: 35847679.
93. Langer T, Zadek F, Carbonara M, Caccioppola A, Brusatori S, Zoerle T, Bottazzini F, Ferraris Fusarini C, di Modugno A, Zanella A, Zanier ER, Fumagalli R, Pesenti A, Stocchetti N. Cerebrospinal Fluid and Arterial Acid-Base Equilibrium of Spontaneously Breathing Patients with Aneurismal Subarachnoid Hemorrhage. **Neurocrit Care**. 2022 Aug;37(1):102-110. PubMed PMID: 35199305.
94. Jacquens A, Needham EJ, Zanier ER, Degos V, Gressens P, Menon D. Neuro-Inflammation Modulation and Post-Traumatic Brain Injury Lesions: From Bench to Bed-Side. **Int J Mol Sci**. 2022 Sep 23;23(19):11193. PubMed PMID: 36232495.
95. Pischiutta F, Caruso E, Cavaleiro H, Salgado AJ, Loane DJ, Zanier ER. Mesenchymal stromal cell secretome for traumatic brain injury: Focus on immunomodulatory action. **Exp Neurol**. 2022 Nov;357:114199. PubMed PMID: 35952763.
96. Drieu A, Lanquetin A, Prunotto P, Gulhan Z, Pédron S, Vegliante G, Tolomeo D, Serrière S, Vercouillie J, Galineau L, Tauber C, Kuhnast B, Rubio M, Zanier ER, Levard D, Chalon S, Vivien D, Ali C. Persistent neuroinflammation and behavioural deficits after single mild traumatic brain injury. **J Cereb Blood Flow Metab**. 2022 Dec;42(12):2216-2229. PubMed PMID: 35945692.
97. Moro F, Lisi I, Tolomeo D, Vegliante G, Pascente R, Mazzone E, Hussain R, Micotti E, Dieter Dallmeier J, Pischiutta F, Bianchi E, Chiesa R, Wang KKW, Zanier ER. Acute blood levels of neurofilament light indicate one-year white matter pathology and functional impairment in repetitive mild traumatic brain injured mice. **J Neurotrauma**. 2022 Dec 28. PubMed PMID: 36576018.
98. Bonetto V, Pasetto L, Lisi I, Carbonara M, Zangari R, Ferrari E, Punzi V, Luotti S, Bottino N, Biagianti B, Moglia C, Fuda G, Gualtierotti R, Blasi F, Canetta C, Montano N, Tettamanti M, Camera G, Grimoldi M, Negro G, Rifino N, Calvo A, Brambilla P, Biroli F, Bandera A, Nobili A, Stocchetti N, Sessa M, Zanier ER. Markers of blood-brain barrier disruption increase early and persistently in COVID-19 patients with neurological manifestations. **Front Immunol**. 2022 Dec 15;13:1070379. PubMed PMID: 36591311.
99. De Paola M, Pischiutta F, Comolli D, Mariani A, Kelk J, Lisi I, Cerovic M, Fumagalli S, Forloni G, Zanier ER, Neural cortical organoids from self-assembling human iPSC as a model to investigate neurotoxicity in brain ischemia. **J Cereb Blood Flow Metab**. 2023 Jan 18;271678X231152023. PubMed PMID: 36655331.
100. Biagianti B, Lisi I, Di Liberto A, Turtulici N, Goti G, Zito S, Ginex V, Fornoni C, Gallo F, Cantù F, Tombola V, Di Fiede V, Rossetti M G, Colombo E, Stocchetti N, Zanier E R, Bellani M, Bressi C, Brambilla P. Feasibility and preliminary efficacy of bried tele-psychotherapy for COVID-19 patients ant their first-degree relatives. **J Affect Disord**. 2023 Mar 17; 330:300-308. PubMed PMID: 36934855.
101. Annoni F, Su F, Peluso L, Lisi I, Caruso E, Pischiutta F, Gouvea Bogossian E, Garcia B, Njimi H, Vincent JL, Gaspard N, Ferlini L, Creteur J, Zanier ER, Taccone FS. Hypertonic sodium lactate infusion reduces vasopressor requirements and biomarkers of brain and cardiac injury after experimental cardiac arrest. **Crit Care**. 2023 Apr 22;27(1):161. PubMed PMID: 37087454.
102. Zoerle T, Birg T, Carbonara M, Smielewski P, Placek MM, Zanier ER, Åkerlund CAI, Ortolano F, Stocchetti N; CENTER-TBI High Resolution ICU Sub-Study Participants and Investigators. Accuracy of Manual Intracranial Pressure Recording Compared to a Computerized High-Resolution System: A CENTER-TBI Analysis. **Neurocrit Care**. 2023 Mar 15. PubMed PMID: 36922475.
103. Iyengar S S, Lubbers L, Harte-Hargrove L, CURE Epilepsy Post-Traumatic Initiative Advisors, and Investigators, et al, Di Sapia R, Moro F, Ravizza T, Rizzi M, Vezzani A, Zanier ER. A team science approach for the preclinical and clinical characterization and biomarker development for post-traumatic epilepsy (PTE). **Epilepsia Open**. 2023 Apr 17.
104. Diomede L, Zanier ER, Moro F, Vegliante G, Colombo L, Russo L, Cagnotto A, Natale C, Xodo FM, De Luigi A, Mosconi M, Beeg M, Catania M, Rossi G, Tagliavini F, Di Fede G, Salmona M. Aβ1-6A2V(D) peptide, effective on Aβ aggregation, inhibits tau misfolding and protects the brain after traumatic brain injury. **Mol Psychiatry**. 2023 May 17. PubMed PMID: 37198260.
105. Pischiutta F, Cavaleiro H, Caruso E, Tribuzio F, Di Marzo N, Moro F, Kobeissy F, Wang KK, Salgado AJ, Zanier ER. A novel organotypic cortical slice culture model for traumatic brain injury: molecular changes induced by injury and mesenchymal stromal cell secretome treatment. **Front Cell Neurosci**. 2023 Jul 18;17:1217987. PubMed PMID: 37534042.
106. Di Sapia R, Rizzi M, Moro F, Lisi I, Caccamo A, Ravizza T, Vezzani A, Zanier ER. ECoG spiking activity and signal dimension are early predictive measures of epileptogenesis in a translational mouse model of traumatic brain injury. **Neurobiol Dis**. 2023 Sep;185:106251. PubMed PMID: 37536383.
107. Magatti M, Pischiutta F, Ortolano F, Pasotti A, Caruso E, Cargnoni A, Papait A, Capuzzi F, Zoerle T, Carbonara M, Stocchetti N, Borsa S, Locatelli M, Erba E, Prati D, Silini AR, Zanier ER, Parolini O. Systemic immune response in young and elderly patients after traumatic brain injury. **Immun Ageing**. 2023 Aug 12;20(1):41. PubMed PMID: 37573338.
108. Zanier ER, Pischiutta F, Rulli E, Vargiolu A, Elli F, Gritti P, Gaipa G, Belotti D, Basso G, Zoerle T, Stocchetti N, Citerio G; MATRIx Study group. MesenchymAl stromal cells for Traumatic bRain Injury (MATRIx): a study protocol for a multicenter, double-blind, randomised, placebo-controlled phase II trial. **Intensive Care Med Exp**. 2023 Aug 25;11(1):56. PubMed PMID: 37620640.
109. Zanier ER, Citerio G. Evaluating a Pupillometry App Considering Sedation's Impact: A Step Unexplored. **J Neurotrauma**. 2023 Oct 30. PubMed PMID: 37742114.
110. Robba C, Zanier ER, Lopez Soto C, Park S, Sonneville R, Helbolk R, Sarwal A, Newcombe VFJ, van der Jagt M, Gunst J, Gauss T, Figueiredo S, Duranteau J, Skrifvars MB, Iaquaniello C, Muehlschlegel S, Metaxa V, Sandroni C, Citerio G, Meyfroidt G. Mastering the brain in critical conditions: an update. **Intensive Care Med Exp**. 2024 Jan 5;12(1):1. doi: 10.1186/s40635-023-00587-3. PMID: 38182945; PMCID: PMC10770006.
111. Mercurio D, Pischiutta F, Seminara S, Tribuzio F, Lisi I, Pasetto L, Bonetto V, De Simoni MG, Schwaeble W, Yaseen S, Dudler T, Zanier ER, Fumagalli S. Inhibition of mannan-binding lectin associated serine protease (MASP)-2 reduces the cognitive deficits in a mouse model of severe traumatic brain injury. **J Neuroinflammation**. 2024 May 28;21(1):141. doi: 10.1186/s12974-024-03133-4. PMID: 38807149; PMCID: PMC11134671.
112. Siciliano AM, Moro F, De Simone G, Pischiutta F, Morabito A, Pastorelli R, Brunelli L, Zanier ER, Davoli E. Mapping small metabolite changes after traumatic brain injury using AP-MALDI MSI. **Anal Bioanal Chem**. 2024 Sep;416(22):4941-4949. doi: 10.1007/s00216-024-05422-6. Epub 2024 Aug 1. PMID: 39090264; PMCID: PMC11330407.
113. Samanta RJ, Chiollaz AC, Needham E, Yue JK, Helmy A, Zanier ER, Wang KKW, Kobeissy F, Posti JP, Summers C, Manley GT, Maas AI, Tenovuo O, Sanchez JC, Menon DK; TRACK-TBI investigators and participants; CENTER-TBI investigators and participants. Parsimonious immune-response endotypes and global outcome in patients with traumatic brain injury. **EBioMedicine**. 2024 Sep 17;108:105310. doi: 10.1016/j.ebiom.2024.105310. Epub ahead of print. PMID: 39293212; PMCID: PMC11424973.
114. Carbonara M, Ferrari E, Birg T, Punzi V, Bichi F, Lazzari B, Palmaverdi V, Bottino N, Ortolano F, Zoerle T, Conte G, Stocchetti N, Zanier ER; UOC Terapia Intensiva Presidio Temporaneo Fiera Milano investigators group. Suspected intracranial hypertension in COVID-19 patients with severe respiratory failure. **PLoS One**. 2024 Sep 19;19(9):e0310077. doi: 10.1371/journal.pone.0310077. PMID: 39298371; PMCID: PMC11412631.
115. Annoni F, Su F, Peluso L, Lisi I, Caruso E, Pischiutta F, Gouvea Bogossian E, Garcia B, Njimi H, Vincent JL, Gaspard N, Ferlini L, Creteur J, Zanier ER, Taccone FS. Infusion of sodium DL-3-ß-hydroxybutyrate decreases cerebral injury biomarkers after resuscitation in experimental cardiac arrest. **Crit Care**. 2024 Sep 20;28(1):314. doi: 10.1186/s13054-024-05106-8. PMID: 39304944; PMCID: PMC11414246.
116. Lisi I, Moro F, Mazzone E, Marklund N, Pischiutta F, Kobeissy F, Mao X, Corrigan F, Helmy A, Nasrallah F, Di Pietro V, Ngwenya LB, Portela LV, Semple BD, Schneider ALC, Diaz Arrastia R, Menon DK, Smith DH, Wellington C, Loane DJ, Wang K, Zanier ER; InTBIR Fundamental and Translational Working Group. Exploiting blood-based biomarkers to align preclinical models with human traumatic brain injury. Brain. 2024 Nov 9:awae350. doi: 10.1093/brain/awae350. Epub ahead of print. PMID: 39514789.

|  |  |  |
| --- | --- | --- |
| RELEVANT MEETINGS |  |  |

Presentation at meetings as invited speaker: more than 100

1. Zanier ER: “Continous electroencephalographic and cerebral microdyalisis monitoring in a rodent model of moderate fluid percussion injury”. 31st Critical Care Congress. January 26th-30th 2002, San Diego, California.
2. Zanier ER: “Cerebral perfusion pressure target therapy for traumatic brain injury”. 12th International Symposium on Intensive Care Medicine, Satellite Symposium: unconsciousness. May 25th 2003, Bled, Slovenia.
3. Zanier ER, Longhi L, Pagan F, Marchesi R, Stocchetti N: “Possibilities of neuroprotective treatment following traumatic brain injury”. 12th International Symposium on Intensive Care Medicine, Satellite Symposium: unconsciousness. May 25th 2003, Bled, Slovenia.
4. Zanier ER: “Cervello e sepsi”. Giornate AAROI 13a edizione: Sepsi severa e shock settico: recenti acquisizioni, December 2003, Rome, Italy.
5. Zanier ER: “Problemi di interpretazione e limiti dei monitoraggi focali”. 14th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2003 Educational Courses: I monitoraggi focali in neurorianimazione. May 28th-30th 2003, Milan, Italy.
6. Zanier ER: “Iperglicolisi ed ischemia cerebrale caratterizzati in microdialisi”. 14th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2003 Educational Courses: I monitoraggi focali in neurorianimazione. May 28th-30th 2003, Milan, Italy.
7. Zanier ER: “Monitoraggi del futuro”. 14th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2003 Educational Courses: I monitoraggi focali in neurorianimazione. May 28th-30th 2003, Milan, Italy.
8. Zanier ER: “Uso clinico della microdialisi nel trauma cranico e nella emorragia subaracnoidea: i dati della letteratura e la nostra esperienza”. 15th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2004 Educational Courses: Monitoraggi globali e focali in neurorianimazione. May 12th-14th 2003, Milan, Italy.
9. Zanier ER: “Iperglicolisi ed ischemia cerebrale caratterizzati in microdialisi”. 15th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2004 Educational Courses: Monitoraggi globali e focali in neurorianimazione. May 12th-14th 2003, Milan, Italy.
10. Zanier ER: “Combination of venoarterial PCO2 difference with arteriovenous 02 content difference to detect anaerobis metabolism during progression to brain death”. 7th International Neurotrauma Symposium. 12th-16th September 2004, Adelaide, Australia.
11. Zanier ER: “The current situation and future prospects of hypothermia in acute brain diseases”. IX Jornadas de Actualizacion en Cuidados Criticos y Urgencies. January 23rd-27th 2005, Granada, Sierra Nevada.
12. Zanier ER: “Venous arterial CO2 difference in brain ischemia”. SMART Summer 2005. 16th-18th September 2005, La Maddalena, Italy.
13. Zanier ER: “Trattamento intensivo post-operatorio nel paziente neurochirurgico”. Corso di aggiornamento “Trattamento intensivo post-operatorio: esperienze a confronto”. September 2005, Foggia, Italy.
14. Zanier ER: “Controllo della temperatura nel paziente post-anossico”. Congresso S.I.A.R.E.D. (Società Italiana di Anestesia, Rianimazione, Emergenza e Dolore). December 2005, Napoli, Italy.
15. Zanier ER: “Metabolismo cerebrale”. 17th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2006 Educational Courses: Update sul trattamento del trauma cranico e dell’emorragia subaracnoidea. May 11th-12th 2006, Milan, Italy.
16. Zanier ER: “Terapie di ‘secondo livello’”. 17th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2006 Educational Courses: Update sul trattamento del trauma cranico e dell’emorragia subaracnoidea. May 11th-12th 2006, Milan, Italy.
17. Zanier ER: “Glucose and oxigen for trauma brain”. 17th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2006. May 11th-12th 2006, Milan, Italy.
18. Zanier ER: “Refractory Intracranial Hypertension and Second Tier Therapies in Traumatic Brain Injury”. The 8th International Neurotrauma Symposium. May 21st-25th 2006, Rotterdam, The Netherlands.
19. Zanier ER: “Fever and intracranial hypertension”. Meeting di Neuroanestesia e Neurorianimazione – 6° Corso di aggiornamento. 25th-27th May 2006, Siena, Italy.
20. Zanier ER: “Metabolismo cerebrale e le sue alterazioni”. 19th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2008 Educational Courses: Update sul trattamento del trauma cranico e dell’emorragia subaracnoidea. May 26th-30th 2008, Milan, Italy.
21. Zanier ER: “Meccanismi del danno cerebrale dopo sanguinamento subaracnoideo”. 19th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2008 Educational Courses: Update sul trattamento del trauma cranico e dell’emorragia subaracnoidea. May 26th-30th 2008, Milan, Italy.
22. Zanier ER: “Metabolismo cerebrale e sue alterazioni nel trauma”. 20th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2009 Educational Courses. May 5th 2009, Milan, Italy.
23. Zanier ER: “Human umbilical cord-blood mesenchymal stem cells induce long term protection after brain trauma in mice”. International Symposium on Neuroprotection and Neurorepair. October 1st-4th, 2010, Rostock, Germany.
24. Zanier ER: “Fever control is mandatory in brain-injured patients”. 24th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 1st-5th 2011, Berlin, Germany.
25. Zanier ER: “Stem cell therapies”. 24th ESICM (European Society of Intensive Care Medicine) LIVES Annual Congress. October 1st-5th 2011, Berlin, Germany.
26. Zanier ER: "Translational science in critical care: Cell therapy in acute brain injury”. 23rd Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2012. May 9th-11th 2012.
27. Zanier ER: “Systemic Complications of Acute Brain Damage” (Chair). 25th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 13th-17th 2012, Lisbon, Spain.
28. Zanier ER: “Hemorrhagic stroke: interventions and markers” (Chair). 25th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 13th-17th 2012, Lisbon, Spain.
29. Zanier ER: “Recovery from traumatic brain injury: Neurorestoration after TBI”. 25th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 13th-17th 2012, Lisbon, Spain.
30. Zanier ER: “Lectin Pathway of Complement Activation after subarachnoid hemorrhage”. 25th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 13th-17th 2012, Lisbon, Spain. Abstract Award Winning Sessions.
31. Zanier ER: “Neuroprotection versus reparative strategies”. Round Table Conference “Neuroprotection: clinical aspects”, Endorsed by the European Society of Intensive Care Medicine (ESICM) – and the Society of Critical Care Medicine (SCCM). March 16th-18th 2013, Brussels, Belgium.
32. Zanier ER: “Stem cells for acute brain injury”. 33rd International Symposium on Intensive Care and Emergency Medicine (ISICEM). March 2013, Brussel, Belgium.
33. Zanier ER: “The role of the lectin pathway”. 33rd International Symposium on Intensive Care and Emergency Medicine (ISICEM). March 2013, Brussel, Belgium.
34. Zanier ER: “Neurorestoration after TBI”. 16th Tuscany Critical Care Annual Meeting. May 2013, Florence, Italy.
35. Zanier ER: “Stem cells: experimental data & clinical translation”. 27th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. September 27th-October 1st, 2014, Barcelona, Spain.
36. Zanier ER: “Terapie innovative in neurologia”. Convegno SIdEM “La medicina rigenerativa: attualità e prospettive”. October 10th-11th 2014, Santa Maria di Leuca, Italy.
37. Zanier ER: Poster session chair. Brain Ischemia and Stroke Conference. December 10th-12th 2014, Rome, Italy.
38. Zanier ER: “Clinico-Pathophysiological Insight into Stroke”. 28th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 4th-7th 2015, Berlin, Germany.
39. Zanier ER: “Neuroinflammation: impact on ICU management and long-term recovery”. 28th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 4th-7th 2015, Berlin, Germany.
40. Zanier ER: “The future of intensive care: breaking translational roadblocks: bench to bedside”. 28th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 4th-7th 2015, Berlin, Germany.
41. Zanier ER: “Innovative Strategies to foster Brain repair. Mesenchymal stromal cell therapy to foster endogenous reparative mechanisms in the acute injured brain”. Italian Society of Neuroscience (SINS) 2015. October 8th-11th 2015, Cagliari, Italy.
42. Zanier ER: “Experimental Strategies to Manipulate Microglia Activation”. International Neurotrauma society (INTS). February 1st-4th 2016, Cape Town, South Africa.
43. Zanier ER: “Clinicopathological insights into stroke”. 27th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2016. May 25th-27th 2016, Milan, Italy.
44. Zanier ER: “Practice after recent randomized trials in neurocritical care”. 27th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2016. May 25th-27th 2016, Milan, Italy.
45. Zanier ER: “Comunicazioni Libere NEURO” (Chair). 27th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2016. May 25th-27th 2016, Milan, Italy.
46. Zanier ER: “ICMx Brain and Spinal cord injury models”. 29th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. October 1st-5th 2016, Milan, Italy.
47. Zanier ER: “Mesenchymal stem cells for acute brain injury”. Brain Ischemia and Stroke conference (BIS). December 2016, Rome, Italy.
48. Zanier ER: “Chronic consequences of single TBI in experimental models and patients”. 1st Croatian Conference on Sports Related Brain Injuries with International Participation. June 15th-17th 2017, Split, Croatia.
49. Zanier ER: “Sex Differences in Acute and Chronic Response to Experimental Traumatic Brain Injury”. 2nd International Meeting on Pediatric Acquired brain injury. September 2017, Rome, Italy.
50. Zanier ER: “Neuroprotection and repair after traumatic brain injury”. Congresso Società Italiana di Anestesia Analgesia Rianimazione e Terapia Intensiva (SIAARTI). October 2017, Rimini, Italy.
51. Zanier ER: “Traumatic brain injury results in tau pathology displaying prion-like properties in propagation and transmission”. 6th European Synapse Meeting. December 4th-6th 2017, Milan, Italy.
52. Zanier ER: “Induction of transmissible tau pathology by traumatic brain injury”. Clinical Neurosciences Seminar Programme Brain Repair Center Cambridge. January 18th 2018, Cambridge, UK.
53. Zanier ER: “Mesenchymal stromal cells for traumatic brain injury: experimental data and clinical perspectives”. GISM (Italian Society of Mesenchymal Stem Cells), April 12th-13th, 2018, Assisi, Italy.
54. Zanier ER: “Metabolic, inflammatory animal models”. Old Servants Symposium on “Head Trauma in Sports and Risk for Dementia”, May 24th-25th 2018, Stockholm, Sweden.
55. Zanier ER: “Le cellule Mesenchimali Stromali nel Trauma Cranico”. Terapie avanzate: i progressi nella clinica, le novità per la produzione e le sfide del futuro. October 22nd 2018, Milan, Italy.
56. Zanier ER: “Tell me something I don’t know... News from the neurolab”. 30th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2019. May 8th-10th 2019, Milan, Italy.
57. Zanier ER: “New ideas and unanswered questions: Basic pathophysiology of post-TBI neurodegeneration”. Neurotrauma 2019. June 29th-July 3rd, 2019, Pittsburgh, Pennsylvania.
58. Zanier ER: “Preclinical models of tau propagation in TBI”. Frontiers in Traumatic Brain Injury 3rd annual conference, UCL in partnership with CNR. 16th September 2019, London, UK.
59. Zanier ER: “Development and Spread of Tau Pathology after TBI”. WFN’s 24th World Congress of Neurology. October 27th-31st 2019, United Arab Emirates, Dubai.
60. Zanier ER: “Transmissible tau pathology induced by TBI”. BNA 2021 Festival of Neuroscience. Session “Dementia, Sports & Traumatic Brain Injury”. 12th-15th April 2021, online.
61. Zanier ER: “Sustained post-traumatic inflammation”. EuroNeuro 2021. Session “Long term post-traumatic neuroinflammation”. 14th-16th April 2021, Paris, France.
62. Zanier ER: “Impact of brain injury on quality of life”. EuroNeuro 2021. Session “Long term assessment after ischemic or traumatic brain injury”. 14th-16th April 2021, Paris, France.
63. Zanier ER: “Are sedatives neuroprotective or neurotoxic?”. Session: "I want to be sedated: targeted therapy in neurocritical care". 34th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress, October 3rd-6th 2021, online.
64. Zanier ER: “2030: what new therapeutic approaches will we use to treat neurological dysfunction". 34th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress. Session “2030: what new therapeutic approach will we use”. October 3rd-6th 2021, online.
65. Zanier ER: “Experimental models to study mechanisms linking traumatic brain injury to neurodegenerative disease”. Brain Conference. 24th - February 25th 2022, online.
66. Zanier ER: “Therapeutic Temperature Management: Biological Effects”. 33th Smart Meeting Anesthesia Resuscitation Intensive Care “SMART” 2022. Session: “Therapeutic Temperature Management (TTM) at a crossroad”. May 4th-6th 2022, Milan, Italy.
67. Zanier ER: “CD1 mouse as a novel model for post-traumatic epilepsy: omics and biomarker discovery”. National Neurotrauma Society (NNS). Session: “Current Status of Animal Models of Post-Traumatic Epilepsy (PTE): The Need for True Translational Models of PTE”. June 27th 2022. Atlanta, Georgia.
68. Zanier ER: “Experimental TBI – mechanisms and therapeutic approaches – part I” (Chair). 15th International Neurotrauma Symposium (INTS). July 17th-20th 2022, Berlin, Germany.
69. Zanier ER: “Identifying proteomic, metabolomic and microRNA biosignatures for spontaneous post-traumatic epilepsy in a CD1 mouse model”. CURE Investigator Meeting. Session: “PTE Initiative Investigators and Advisors Meeting”. June 30th 2022, Atlanta, Georgia.
70. Zanier ER: “Modeling Post-traumatic Epilepsy for Therapy Development: How it Started, how is Going”. July 1st 2022, Gaineswille, Florida.
71. Zanier ER: “Le cellule mesenchimali nel trauma cranico”. UOS Terapia Intensiva Neurochirurgia, ASST Papa Giovanni XXIII. Session: “Emergenza neurologica: dalla strada alla terapia intensiva. Innovazione e ricerca”. October 7th 2022, Bergamo, Italy.
72. Zanier ER: “Dall’infiammazione alla neuroprotezione: lezione dai modelli animali”. Policlinico Universitario A. Gemelli IRCCS. Session: “La Neurologia al Gemelli”. October 20th 2022, Roma, Italy.
73. Zanier ER: “Mesenchymal stromal cells for traumatic brain injury. From experimental to clinical studies”. 5th International Symposium on Acute Pulmonary Injury and Translational Research (INSPIRES V 2022). November 17th-18th 2022, Madrid, Spain.
74. Zanier ER: “Mesenchymal stromal cells for traumatic brain injury: From experimental to clinical studies”. Hungarian Society for Experimental and Clinical Pharmacology (HUPHAR), February 7th, 2023, online.
75. Zanier ER: “Modeling post-traumatic epilepsy for therapy development: How it started, how it’s going”. Morehouse School of Medicine (MSM). March 17th 2023, Atlanta, Georgia.
76. Zanier ER: “Biofluid and Neuroimaging Biomarkers as Translational Tools for Animal Models of Traumatic Brain Injury and Therapeutic Monitoring”. American Society for Neurochemistry (ASN). March 21st, 2023, Lexington, Kentucky.
77. Zanier ER: “Traumatic Brain Injury: maladaptive mechanisms underpinning long-term outcome”. Consiglio Nazionale delle Ricerche (CNR). April 14th 2023, Milano, Italy.
78. Zanier ER: “What we use today and what we expect to use tomorrow to treat traumatic brain injury”. 34th Smart Meeting on Anesthesia Resuscitation and Intensive Care “SMART” 2023, May 26th 2023, Milan, Italy.
79. Zanier ER: “Mesenchymal stromal cells for traumatic brain injury: from mechanisms to translation”. European Neurotrauma Organization ENO Meeting 2023. 18th-20th October, 2023, Munich, Germany.
80. Zanier ER: “Mesenchymal stromal cells for traumatic brain injury: from mechanisms to translation”. Convegno Terapie avanzate, October 23rd 2023, Milan, Italy.
81. Zanier ER: “Mesenchymal stromal cells for the treatment of traumatic brain injury”. 36th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress, October 21st-25th 2023, Milan, Italy.
82. Zanier ER: “Technologies for probing molecular signatures of traumatic brain injury”. 36th European Society of Intensive Care Medicine (ESICM) LIVES Annual Congress, October 21st-25th 2023, Milan, Italy.
83. Zanier ER: “Stem cell-based therapy for traumatic brain injury: From mechanisms to translation”. EuroNeuro 2023. 5th-7th November, 2023, Bruxelles, Belgium.
84. Zanier ER: “All you should know about neuroinflammation”. EuroNeuro 2023. 5th-7th November, 2023, Bruxelles, Belgium.
85. Zanier ER: “The role of immune cells in subarachnoid hemorrhage”. EuroNeuro 2023. 5th-7th November, 2023, Bruxelles, Belgium.
86. Zanier ER: “Traumatic Brain Injury: maladaptive mechanisms underpinning long-term outcome”. Invited session speaker at the Robert Debré Hospital. January 11th 2024, Paris, France.
87. Zanier ER: “TBI Mechanisms: To elucidate human TBI pathophysiology through bidirectional translational research”. 2nd InTBIR General Assembly. January 24th-25th 2024, Bethesda, Maryland.
88. Zanier ER: “Report of fundamental & translational working group”. 2nd InTBIR General Assembly. January 24th-25th 2024, Bethesda, Maryland.
89. Zanier ER: “Post GA meeting”. 2nd InTBIR General Assembly. January 24th-25th 2024, Bethesda, Maryland.
90. Zanier ER: “Advancing Clinical Care: Bridging Gaps through Experimental Traumatic Brain Injury Research”. Seminari della Scuola di Specializzazione in Anestesia, Rianimazione e Terapia Intensiva e del Dolore, Università degli Studi di Milano. March 4th 2024, Milan, Italy.
91. Zanier ER: “L’asse intestine-cervello”. Convegno CICAP (Comitato italiano controllo affermazioni sulle pseudoscienze): Gli inganni sul cervello. April 20th 2024, Milan, Italy.
92. Zanier ER: “Effetti di genere nel danno cerebrale e cardiovascolare acuto”. XLII congresso Nazionale AIDM (Associazione Italiana Donne Medico). April 26th 2024, Parma, Italy.
93. Zanier ER: “La ricerca sul trauma cranico all’Istituto Mario Negri”. XXV Giornata Nazionale del Trauma Cranico. May 10th-11th 2024, Montecatini Terme, Italy.
94. Zanier ER: “Mesenchymal stromal cells for traumatic brain injury: from mechanisms to translation”. PhD Students Meeting Istituto di Ricerche Farmacologiche Mario Negri IRCCS, May 29th 2024, Milan, Italy.
95. Zanier ER: “Mesenchymal stromal cell-based therapy for traumatic brain injury”. 16th International Neurotrauma Symposium (INTS). September 2nd-5th 2024, Cambridge, UK.
96. Zanier ER: “Mesenchymal stromal cell based therapy for traumatic brain injury: from mechanisms to translation”. Invited session speaker at the University of Birmingham. October 9th 2024, Birmingham, UK.
97. Zanier ER: “Advancing Clinical Care for Traumatic Brain Injury by Bridging Gaps Through Experimental Research”. Invited session speaker at Humanitas Research Hospital. October 15th 2024, Milan, Italy.
98. Zanier ER: “Animal models to improve patients care”. EuroNeuro 2024. October 29th 2024, Florence, Italy.
99. Zanier ER: “Neuroprotection” (Chair). EuroNeuro 2024. October 30th 2024, Florence, Italy.
100. Zanier ER: “Controversies in Neurocritical Care” (Chair). EuroNeuro 2024. October 30th 2024, Florence, Italy.
101. Zanier ER: “Can the brain repair?”. EuroNeuro 2024. October 31st 2024, Florence, Italy.
102. Zanier ER: “The acutely injured brain”. Seminari della Scuola di Specializzazione in Anestesia, Rianimazione e Terapia Intensiva e del Dolore, Università degli Studi di Milano. November 11th 2024, Milan, Italy.
103. Zanier ER: “Traumatic Brain Injury and Neuroinflammation”. IV Annual Meeting Rete RIN IRCCS. November 21st 2024, Genova, Italy.

Milano 04/12/2024

Elisa R Zanier



Elisa R Zanier, MD  
Dept. Acute Brain and Cardiovascular Injury, Head

Laboratory of Traumatic Brain Injury and Neuroprotection, Head   
Mario Negri Institute for Pharmacological Research IRCCS  
Via Mario Negri 2   
20156 Milano, Italy  
Tel +39-02-39.014.204  
Fax +39-02-35.46.277