

EUROPASS  
CURRICULUM VITAE



**Personal informations**

First name **SIMONE BERETTA**  
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Nationality ITALIAN  
Date of birth December 28, 1975

**Working experience**

- Dates (from - to) from January 2019 until today  
• Employer **University of Milano Bicocca**  
• Type of company or sector **Visiting Researcher**
- Dates (from - to) from October 2015 until September 2019  
• Employer **IRCCS Foundation Carlo Besta Neurological Institute, Milan**  
• Type of company or sector **Principal Investigator, V-COOL Project (GR-2011- 02347879)**
- Dates (from - to) from February 2014 until today  
• Employer **San Gerardo Hospital, ASST Monza**  
• Type of company or sector **Consultant Neurologist, Department of Neurology and Stroke Unit**
- Dates (from - to) from June 2010 until today  
• Employer **Department of Medicine and Surgery, University of Milan Bicocca**  
• Type of company or sector **Scientific Coordinator, Experimental Stroke Research Laboratory**
- Dates (from - to) from July 2013 until January 2014  
• Employer **IRCCS Foundation Carlo Besta Neurological Institute, Milan**  
• Type of company or sector **Fellowship in Epilepsy Surgery, Clinical Epileptology and Experimental Neurophysiology Unit**
- Dates (from - to) from November 2011 until January 2014  
• Employer **San Gerardo Hospital, Monza**  
• Type of company or sector **Specialist Outpatient Neurologist, Department of Neurology**
- Dates (from - to) December 2009 - September 2011  
• Employer **San Gerardo Hospital, Monza**

- Type of company or sector ***Clinical Researcher in Neurology, National Coordinator of the multi-centric EDU-COM clinical trial (FARM77RW2S, funded by AIFA)***
- Dates (from - to) February 2004 - August 2004, August 2000 - December 2000
- Employer **University of Oxford, UK**
- Type of company or sector ***Visiting Neuroscientist , Nuffield Laboratory of Ophthalmology***

### **Education and training**

- Dates (from - to) November 2004-November 2009
- Name and type of education or training institution UNIVERSITY OF MILAN BICOCCA
- Qualification achieved **SPECIALIZATION IN NEUROLOGY**
- Level in national classification (if applicable ) 70/70 cum laude; specialization thesis "Hyperacute effects of statins on transient cerebral ischemia in the isolated guinea pig brain" in collaboration with the Laboratory of Cortical Systems Physiology, Carlo Besta Neurological Institute, Milan (Dr. M. De Curtis).
- Dates (from - to) October 2001-October 2004
- Name and type of education or training institution UNIVERSITY OF MILAN BICOCCA
- Qualification achieved **PhD IN NEUROSCIENCE**
- Level in national classification (if applicable ) Doctoral thesis "Genetic and acquired mitochondrial dysfunction in the pathogeny of neurodegenerative disorders" in collaboration with the Nuffield Laboratory of Ophthalmology, University of Oxford, UK (Prof. NN Osborne).
- Dates (from - to) October 1995-October 2001
- Name and type of education or training institution UNIVERSITY OF MILAN BICOCCA
- Qualification achieved **DEGREE IN MEDICINE AND SURGERY**
- Level in national classification (if applicable ) 110/110 cum laude; degree thesis "Excitotoxic neurodegeneration and pharmacological neuroprotection: experimental study in cultures of cortical, cerebellar and retinal neurons".

### **Clinical skills and interests**

- Clinical epileptology (adult patients)
- Clinical electroencephalography, outpatient and hospitalized patients, including cEEG-QEEG and pre-surgical VEEG monitoring
- Neurology of patients in the Intensive Care Unit
- Vascular Neurology (Acute Stroke Unit) and Emergency Neurology
- General outpatient neurology
- Cerebrovascular ultrasonography: echocolor Doppler of supra-aortic trunks, transcranial ecocolor Doppler, study of the patency of the oval foramen, study of cerebrovascular reactivity using acetazolamide test, study of superficial temporal arteries
- Coordination of multi-center clinical trials

## Clinical research skills

- PRINCIPAL INVESTIGATOR OF THE MULTI-CENTER PROJECT "V-COOL" FUNDED BY THE MINISTRY OF HEALTH 2015-2018
- NATIONAL COORDINATOR OF THE "PRO-LONG" MULTI-CENTER TRIAL FUNDED BY THE MINISTRY OF HEALTH 2011-2015
- NATIONAL COORDINATOR OF THE "EDU-COM" MULTI-CENTER TRIAL FUNDED BY AIFA 2009-2011
- CO-FOUNDER AND SCIENTIFIC DIRECTOR OF THE RESEARCH LABORATORY ON EXPERIMENTAL STROKE, UNIVERSITY OF MILAN BICOCCA SINCE 2010

## Basic research skills

- Experimental neurophysiology (recording of direct extracellular currents)
- In vivo Stroke models (intraluminal occlusion of the middle cerebral artery in the rat, intracerebral hemorrhage by stereotactic injection of collagenase)
- In vitro Stroke models (occlusion by middle cerebral artery ligation in isolated guinea pig, glucose-oxygen deprivation in primary cultures of neurons and brain endothelial cells)
- Cell cultures (including primary cell cultures)
- Biochemical assays, immunoenzymatic and molecular biology (WE, PCR)
- Morphological techniques (histology, immunohistochemistry)

**First language** ITALIAN

**Other languages** ENGLISH Fluent

## Publications

1. Beretta S, Da Re F, Francioni V, Remida P, Storti B, Fumagalli L, Piatti ML, Santoro P, Cereda D, Cutellè C, Pirro F, Montisano DA, Beretta F, Pasini F, Cavallero A, Appollonio I, Ferrarese C. Massive cerebral venous thrombosis related to COVID-19 infection. *Journal of Neurology* 2020, submitted.
2. Cappellari M, Zini A, Sangalli D, Cavallini A, Reggiani M, Sepe FN, Rifino N, Giussani G, Guidetti D, Zedde M, Marcheselli S, Longoni M, Beretta S, Sidoti V, Papurello DM, Giosi A, Nencini P, Plocco M, Balestrino M, Rota E, Toni D. Thrombolysis in patients with acute ischemic stroke and Covid-19. *European Journal of Neurology* 2020, submitted.
3. Tettamanti M, Beretta S, Pignataro G, Fumagalli S, Perego C, Sironi L, Pedata F, Amantea D, Bacigaluppi M, Vinciguerra A, Valente A, Diamanti S, Mariani J, Viganò M, Santangelo F, Zoia CP, Rodriguez-Menendez V, Castiglioni L, Rzemieniec J, Dettori I, Bulli I, Coppi E, Gullotta GS, Bagetta G, Martino G, Ferrarese C, De Simoni MG. Multi-center Translational Trial of Remote Ischemic Conditioning in Acute Ischemic Stroke (TRICS). Protocol of a multi-center, parallel group, randomized, preclinical trial in female and male rat and mouse from the Italian Stroke Organization (ISO) Basic Science network. *British Medical Journal Open Science* 2020, submitted.
4. Beretta S, Versace A, Martini B, Viganò M, Diamanti S, Pini C, Paternò G, Carone D, Mariani J, Monza L, Riva M, Cuccione E, Cai R, Pirovano S, Padovano G, Guida L, Rossi E, Citerio G, Giussani C, Sganzerla EP, Ferrarese C. Head down tilt 15° in the acute phase of experimental intracerebral hemorrhage: a randomized non-inferiority safety trial. *European Journal of Neurology* 2020, submitted.
5. Tinti L, Beretta S, Coppo A, Bianchi E, Zanchi C, Carone D, Stabile A, Padovano G, Sulmina E, Greco G, Diamanti S, DiFrancesco JC, Bogliun G, Foti G, Ferrarese C, Beghi E, Avalli L.

Long-term risk of chronic epilepsy after post-anoxic refractory status epilepticus. A retrospective cohort study. *Epilepsia* 2020, submitted.

6. Alberti P, Beretta S, Piatti M, Karantzoulis A, Piatti ML, Santoro P, Viganò M, Giovannelli G, Pirro F, Montisano DA, Appollonio I, Ferrarese C. Guillain-Barré syndrome related to COVID-19 infection. *Neurol Neuroimmunol Neuroinflamm*. 2020; 7(4):e741. doi: 10.1212/NXI.0000000000000741.
7. Beretta S, Coppo A. Post-cardiac arrest patients with epileptiform EEG: Better selection for better treatment. *Neurology*. 2020 Apr 21;94(16):685-686. doi: 10.1212/WNL.0000000000009282.
8. Traenka C, Grond-Ginsbach C, Goeggel Simonetti B, Metso TM, Debette S, Pezzini A, Kloss M, Majersik JJ, Southerland AM, Leys D, Baumgartner R, Caso V, Béjot Y, De Marchis GM, Fischer U, Polymeris A, Sarikaya H, Thijs V, Worrall BB, Bersano A, Brandt T, Gensicke H, Bonati LH, Touzé E, Martin JJ, Chabriat H, Tatlisumak T, Arnold M, Engelter ST, Lyrer P; CADISP-Plus Study Group. Artery occlusion independently predicts unfavorable outcome in cervical artery dissection. *Neurology*. 2020 Jan 14;94(2):e170-e180. doi: 10.1212/WNL.0000000000008654.
9. Giussani G, Enia G, Bianchi E, Mecarelli O, Beghi E; EPINEEDS Study Group. The management of epilepsy in clinical practice: Do the needs manifested by the patients correspond to the priorities of the caring physicians? Findings from the EPINEEDS Study. *Epilepsy & Behavior*. 2020 Jan;102:106641. doi: 10.1016/j.yebeh.2019.106641.
10. Beretta S. Author response: Neurologic outcome of postanoxic refractory status epilepticus after aggressive treatment. *Neurology*. 2019 Aug 6;93(6):278. doi: 10.1212/WNL.0000000000007907. PMID: 31383805.
11. Sala, G., Arosio, A., Conti, E., Beretta, S., Lunetta, C., Riva, N., Ferrarese, C., & Tremolizzo, L. (2019). Riluzole Selective Antioxidant Effects in Cell Models Expressing Amyotrophic Lateral Sclerosis Endophenotypes. *Clinical psychopharmacology and neuroscience*, 17(3), 438–442.
12. Beretta S, Coppo A, Bianchi E, Zanchi C, Carone D, Stabile A, Padovano G, Sulmina E, Grassi A, Bogliun G, Foti G, Ferrarese C, Pesenti A, Beghi E, Avalli L. Neurological outcome of postanoxic refractory status epilepticus after aggressive treatment. *Epilepsy & Behavior*. 2019 Dec;101(Pt B):106374. doi: 10.1016/j.yebeh.2019.06.018.
13. Andrea Stabile, Simone Beretta, Anna Coppo, Giada Padovano, Graziella Bogliun, Carlo Ferrarese, Leonello Avalli. Double antiepileptic therapy in a case of postanoxic super-refractory status epilepticus. *Neurology Clinical Practice* 2019, 10.1212/CPJ.0000000000000740.
14. Beghi E, Beretta S, Carone D, Zanchi C, Bianchi E, Pirovano M, Trentini C, Padovano G, Colombo M, Cereda D, Scanziani S, Giussani G, Gasparini S, Bogliun G, Ferrarese C; for the PRO-LONG Study Group. A multi-center retrospective survey of prognostic patterns in newly diagnosed patients with epilepsy (PRO-LONG). *Journal of Neurology, Neurosurgery and Psychiatry* 2019, 90(11):1276-1285.
15. Beretta S, Coppo A, Bianchi E, Zanchi C, Carone D, Stabile A, Padovano G, Sulmina E, Grassi A, Bogliun G, Foti G, Ferrarese C, Pesenti A, Beghi E, Avalli L. Neurological outcome of post-anoxic refractory status epilepticus after aggressive treatment. *Neurology* 2018, 91(23):e2153-2162
16. Bersano A, Bedini G, Markus HS, Vitali P, Colli-Tibaldi E, Taroni F, Gellera C, Baratta S, Mosca L, Carrera P, Ferrari M, Cereda C, Grieco G, Lanfranconi S, Mazucchelli F, Zarcione D, De Lodovici ML, Bono G, Boncoraglio GB, Parati EA, Calloni MV, Perrone P, Bordo BM, Motto C, Agostoni E, Pezzini A, Padovani A, Micieli G, Cavallini A, Molini G, Sasanelli F, Sessa M, Comi G, Checcarelli N, Carmerlingo M, Corato M, Marcheselli S, Fusi L, Grampa G, Uccellini D, Beretta S, Ferrarese C, Incorvaia B, Tadeo CS, Adobbati L, Silani V, Faragò G, Trobia N, Grond-Ginsbach C, Candelise L; Lombardia GENS-group. The role of clinical and neuroimaging features in the diagnosis of CADASIL. *Journal of Neurology* 2018;265(12):2934-2943.

17. Beretta S, Padovano G, Stabile A, Coppo A, Bogliun G, Avalli L, Ferrarese C. Efficacy and safety of perampanel oral loading in postanoxic super-refractory status epilepticus: A pilot study. *Epilepsia* 2018;59 Suppl 2:243-248.
18. Compter A, Schilling S, Vaineau CJ, Goeggel-Simonetti B, Metso TM, Southerland A, Pezzini A, Kloss M, TouzV© E, Worrall BB, Thijs V, Bejot Y, Reiner P, Grond-Ginsbach C, Bersano A, Brandt T, Caso V, Lyrer PA, Traenka C, Lichy C, Martin JJ, Leys D, Sarikaya H, Baumgartner RW, Jung S, Fischer U, Engelter ST, Dallongeville J, Chabriat H, Tatlisumak T, Bousser MG, Arnold M, Debette S; CADISP-plus Consortium. Determinants and outcome of multiple and early recurrent cervical artery dissections. *Neurology* 2018;91(8):e769-e780.
19. Beretta S, Carone D, Zanchi C, Bianchi E, Pirovano M, Trentini C, Padovano G, Colombo M, Cereda D, Scanziani S, Giussani G, Gasparini S, Bogliun G, Ferrarese C, Beghi E; PRO-LONG Study Group. Long-term applicability of the new ILAE definition of epilepsy. Results from the PRO-LONG study. *Epilepsia* 2017; 58(9):1518-1523.
20. Giussani C, Riva M, Djonov V, Beretta S, Prada F, Sganzerla E. Brain ultrasound rehearsal before surgery: A pilot cadaver study. *Clinical Anatomy* 2017;30(8):1017-1023.
21. Citerio G, Patrino A, Beretta S, Longhi L, Frigeni B, Lorini L; Continuous Quantified EEG in NeuroIntensive Care (CrazyEEG) Group. Implementation of continuous qEEG in two neurointensive care units by intensivists: a feasibility study. *Intensive Care Medicine* 2017;43(7):1067-1068.
22. Beretta S, Versace A, Carone D, Riva M, Dell'Era V, Cuccione E, Cai R, Monza L, Pirovano S, Padovano G, Stiro F, Presotto L, PaternV≤ G, Rossi E, Giussani C, Sganzerla EP, Ferrarese C. Cerebral collateral therapeutics in acute ischemic stroke: a randomized preclinical trial of four modulation strategies. *Journal of Cerebral Blood Flow & Metabolism* 2017, 37(10):3344-3354.
23. Traenka C, Dougoud D, Simonetti BG, Metso TM, Debette S, Pezzini A, Kloss M, Grond-Ginsbach C, Majersik JJ, Worrall BB, Leys D, Baumgartner R, Caso V, BV©jot Y, Compter A, Reiner P, Thijs V, Southerland AM, Bersano A, Brandt T, Gensicke H, TouzV© E, Martin JJ, Chabriat H, Tatlisumak T, Lyrer P, Arnold M, Engelter ST; CADISP-Plus Study Group. Cervical artery dissection in patients over 60 years: Often painless, few mechanical triggers. *Neurology* 2017; 88(14):1313-1320.
24. Cuccione E, Versace A, Cho TH, Carone D, Berner LP, Ong E, Rousseau D, Cai R, Monza L, Ferrarese C, Sganzerla EP, BerthezV®ne Y, Nighoghossian N, Wiart M, Beretta S, Chauveau F. Multi-site laser Doppler flowmetry for assessing collateral flow in experimental ischemic stroke: Validation of outcome prediction with acute MRI. *Journal of Cerebral Blood Flow & Metabolism* 2017;37(6):2159-2170.
25. Bergin PS, Beghi E, Sadleir LG, Brockington A, Tripathi M, Richardson MP, Bianchi E, Srivastava K, Jayabal J, Legros B, Ossemann M, McGrath N, Verrotti A, Tan HJ, Beretta S, Frith R, Iniesta I, Whitham E, Wanigasinghe J, Ezeala-Adikaibe B, Striano P, Rosemergy I, Walker EB, Alkhidze M, Rodriguez-Leyva I, Ramirez Gonzalez JA, D'Souza WJ; EpiNet Study Group. EpiNet as a way of involving more physicians and patients in epilepsy research: Validation study and accreditation process. *Epilepsia Open* 2017;2(1):20-31.
26. Bersano A, Markus HS, Quaglini S, Arbustini E, Lanfranconi S, Micieli G, Boncoraglio GB, Taroni F, Gellera C, Baratta S, Penco S, Mosca L, Grasso M, Carrera P, Ferrari M, Cereda C, Grieco G, Corti S, Ronchi D, Bassi MT, Obici L, Parati EA, Pezzini A, De Lodovici ML, Verrengia EP, Bono G, Mazucchelli F, Zarcione D, Calloni MV, Perrone P, Bordo BM, Colombo A, Padovani A, Cavallini A, Beretta S, Ferrarese C, Motto C, Agostoni E, Molini G, Sasanelli F, Corato M, Marcheselli S, Sessa M, Comi G, Checcarelli N, Guidotti M, Uccellini D, Capitani E, Tancredi L, Arnaboldi M, Incorvaia B, Tadeo CS, Fusi L, Grampa G, Merlini G, Trobia N, Comi GP, Braga M, Vitali P, Baron P, Grond-Ginsbach C, Candelise L; Lombardia GENS Group\*. Clinical Pregenetic Screening for Stroke Monogenic Diseases: Results From Lombardia GENS Registry. *Stroke* 2016;47(7):1702-1709.
27. Cuccione E, Padovano G, Versace A, Ferrarese C, Beretta S. Cerebral collateral circulation in experimental ischemic stroke. *Experimental and Translational Stroke Medicine* 2016 Mar 1;8:2. doi: 10.1186/s13231-016-0015-0. eCollection 2016. Review.

28. 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. *Journal of Neuroinflammation* 2016;13:16. doi: 10.1186/s12974-016-0481-2.
29. Iurlaro S, Silvani A, Mauri M, Truci G, Beretta S, Zilioli A, Guidotti M, Salmaggi A, Ferrarese C, Comi G, Riva M. Headache in cerebral venous thrombosis associated with extracranial tumors: a clinical series. *Neurological Sciences* 2015;36 Suppl 1:149-51.
30. Carone D, Librizzi L, Cattalini A, Sala G, Conti E, Cuccione E, Versace A, Cai R, Monza L, de Curtis M, Ferrarese C, Beretta S. Pravastatin acute neuroprotective effects depend on blood brain barrier integrity in experimental cerebral ischemia. *Brain Research* 2015;1615:31-41.
31. Coppo A, Beretta S, Migliari M, Ferrarese C, Avalli L. Absence and reappearance of N20 response after thiopental withdrawal in postanoxic coma. *Neurol Clin Pract.* 2015;5(6):488-490
32. Riva M, Beretta S, Carone D, Pappada' G, Bruneau M, Giussani C, Paterno' G, Versace A, Ferrarese C, Sganzerla E. Experimental in-vivo model of intravascular shunting for neurosurgical by-pass. *Journal of Neurosurgical Sciences* 2015 Apr 24. [Epub ahead of print]
33. Beretta S, Cuccione E, Versace A, Carone D, Riva M, Padovano G, Dell'Era V, Cai R, Monza L, Presotto L, Rousseau D, Chauveau F, Paternò G, Pappadà GB, Giussani C, Sganzerla EP, Ferrarese C. Cerebral collateral flow defines topography and evolution of molecular penumbra in experimental ischemic stroke. *Neurobiology of Disease* 2015;74:305-13..
34. Paciaroni M, Inzitari D, Agnelli G, Caso V, Balucani C, Grotta JC, Sarraj A, Sung-Il S, Chamorro A, Urrea X, Leys D, Henon H, Cordonnier C, Dequatre N, Aguetz P, Alberti A, Venti M, Acciarresi M, D'Amore C, Zini A, Vallone S, Dell'Acqua ML, Menetti F, Nencini P, Mangiafico S, Barlinn K, Kepplinger J, Bodechtel U, Gerber J, Bovi P, Cappellari M, Linfante I, Dabus G, Marcheselli S, Pezzini A, Padovani A, Alexandrov AV, Shahripour RB, Sessa M, Giacalone G, Silvestrelli G, Lanari A, Ciccone A, De Vito A, Azzini C, Saletti A, Fainardi E, Orlandi G, Chiti A, Gialdini G, Silvestrini M, Ferrarese C, Beretta S, Tassi R, Martini G, Tsvigoulis G, Vasdekis SN, Consoli D, Baldi A, D'Anna S, Luda E, Varbella F, Galletti G, Invernizzi P, Donati E, De Lodovici ML, Bono G, Corea F, Sette MD, Monaco S, Riva M, Tassinari T, Scoditti U, Toni D. Intravenous thrombolysis or endovascular therapy for acute ischemic stroke associated with cervical internal carotid artery occlusion: the ICARO-3 study. *Journal of Neurology* 2015;262(2):459-68.
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37. Canavero I, Cavallini A, Perrone P, Magoni M, Sacchi L, Quaglini S, Lanzola G, Micieli G; Lombardia Stroke Registry (LSR) investigators. Clinical factors associated with statins prescription in acute ischemic stroke patients: findings from the Lombardia Stroke Registry. *BMC Neurology* 2014;14:53. doi: 10.1186/1471-2377-14-53.
38. Beretta S, Beghi E, Messina P, Gerardi F, Pescini F, La Licata A, Specchio L, Ferrara M, Canevini MP, Turner K, La Briola F, Franceschetti S, Binelli S, Giglioli I, Galimberti CA, Fattore C, Zaccara G, Tramacere L, Sasanelli F, Pirovano M, Ferrarese C. Comprehensive

educational plan for patients with epilepsy and comorbidity (EDU-COM): a pragmatic randomized trial. *Journal of Neurology, Neurosurgery & Psychiatry* 2013, 85(8):889-894.

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