



1. PERSONAL INFORMATION

Name	FERRARI, DANIELA
E-mail	daniela.ferrari@unimib.it
Date of birth	30/11/1976
Nationality	Italian
Work address	University Milano Bicocca Dept. Biotechnology and Biosciences P.zza della Scienza, 2 – 20126 Milan
Telephone	+39 02 64483368

2. CURRENT POSITIONS AND TITLES:

- ***From 16/01/2020 to 16/01/2029***

ABILITAZIONE SCIENTIFICA NAZIONALE, II Fascia, Settore Concorsuale 05/F1, Settore Scientifico Disciplinare: BIO/13 Applied Biology (ASN 2018-2020 Terzo quadrimestre Bando D.D. 1532/2016)

- ***Novembre 2021-to date***

RICERCATORE DI TIPO B (RtDB) art. 24 Legge 240/2010
University Milano Bicocca, Dept. of Biotechnology and Biosciences, Settore Concorsuale 05/F1, Settore Scientifico Disciplinare: BIO/13 Applied Biology

- ***September 2018-August 2021:***

RICERCATORE DI TIPO A (RtDA) art. 24 Legge 240/2010
University Milano Bicocca, Dept. of Biotechnology and Biosciences, Settore Concorsuale 05/F1, Settore Scientifico Disciplinare: BIO/13 Applied Biology

- ***2018-to date***

Faculty member and Adjunct Professor at the University of Granada for the “Master degree in manufacturing of advanced therapy medicinal” (<http://www.atmp-masterinmanufacturing.com>)

- ***September 2017- September 2021:***

Member of the EU COST ACTION (CA16122): Biomaterials and Advanced Physical Techniques for regenerative cardiology and neurology (<https://bioneca.eu/working-groups/>)

- ***Settembre 2019- to date:***

Member of the Orientation Commission dedicated to undergraduate students of the University of Milano-Bicocca, Dept. of Biotechnology and Biosciences

3. RESEARCH EXPERTISE

Throughout my research career I have developed a solid expertise in the non-clinical characterization and certification of advanced medicinal product. The main focus of my past and current work is to support the accomplishment of clinical trials with the use of human neural stem cells (hNSCs) for the cure of neurodegenerative and neurological diseases. This objective has been pursued through the implementation of *in vitro* and *in vivo* complementary research projects conceived to optimize culture conditions, to study the molecular mechanisms sustaining the functional properties (self-renewal and multipotency) and to assess safety and therapeutic efficacy of hNSCs lines derived from fetal brain and from induced Pluripotent Stem Cell (hiNSCs).

Research network:

Along with my research projects I have developed effective collaborations within Italian and European Networks in the field such as:

- **University of Milano-Bicocca, Dep. of Biotechnology and Biosciences.**
- **COST ACTION EUROPEA (CA16122): Biomaterials and Advanced Physical Techniques for regenerative cardiology and neurology** (<https://bioneca.eu/working-groups/>). BIONECA aims to become the most effective instrument in coordination, harmonization and defragmentation of the stem cell research across Europe and world, bringing unification of protocols for application of stem cells for neurological and cardiovascular diseases. It involves 37 European countries.
- **Andalusian Network for the design and translation of Advanced Therapies (ANDTAT)** (<https://www.sspa.juntadeandalucia.es/terapiasavanzadas/index.php/en/>) ANDTAT is an Andalusian Government agency promoted to foster research in the field of advanced therapies to develop safe and efficient treatments to offer to the population. The agency coordinates a network of Andalusian GMP facilities to develop clinical trials with advanced medicinal products. I have been involved in:
 - education (as docent for the “*Master degree in manufacturing of advanced therapy medicinal product*”)
 - research project (scientific head of a collaboration research project).
- **Fondazione IRCCS Casa Sollievo della Sofferenza e Istituto Mendel di Roma.** Main collaborators: Dott.ssa Jessica Rosati, Dott. Maurizio Gelati, Dott.ssa Daniela Profico. Basic and pre-clinical research project as from a Collaborative Research Agreement between the University Milano-Bicocca and IRCCS
- **Ospedale Maggiore della Carità di Novara.** Main collaborators: Prof.ssa Letizia Mazzini e Prof.ssa Sandra D’alfonso
- **Laboratorio Cellule Staminali, Cell factory and Biobanca at the Hospital Santa Maria (Terni)**
- **Emory University (Atlanta).** Main collaborator: Prof. Nicholas Boulis)
- **Università degli Studi di Torino.** Main collaborators Dott. Giovanni Perona e Prof.ssa Marina Boido
- **Istituto zooprofilattico del Piemonte Liguria e Val d’Aosta.** Main collaborator: Dott. Cristiano Corona.
- **BioNanoMedicine Centre (NANOMIB) University Milano-Bicocca**
- **University of Eastern Finland, Faculty of Health Sciences.** Prof.ssa Tarja Malm. Research project to develop in vitro model of Amyotrophic Lateral Sclerosis.
- **Harvard Medical School (Boston).** Main collaborator. Prof. Ole Isacson. Phd Student fellowship on Parkinson Disease model

EDITORIAL ROLE FOR SCIENTIFIC JOURNALS

Associate Editor:

- Frontiers in Neuroscience, Frontiers in Neurology and Frontiers in Psychiatry: sezione Neurodegeneration
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Revisore per:

- Stem Cell International I.F. 3.86 ISSN: 1687-9678
- International Journal of Medical Sciences IF:2.52 ISSN: 1449-1907
- Journal BBA - Molecular Cell Research IF 4.739 ISSN: 0167-4889
- ACS Omega- IF 2.87 ISSN: 2470-1343

4 TEACHING ACTIVITY

4A TEACHING ACTIVITY IN BACHELOR AND MASTER DEGREE UNIVERSITY PROGRAMS UNIVERSITY OF MILANO-BICOCCA – DEPT. OF BIOTECHNOLOGY AND BIOSCIENCES

- *Course* Malattie genetiche: dalla diagnosi alla terapia
- *Program* Bachelor Degree in Biological Sciences
- *Period* 2023/24 (1CFU)

- *Course* “Integrated Laboratory of Chemistry and Biology– Molecular Biology Laboratory”
- *Program* Bachelor Degree in Biological Sciences
- *Period* Academic Year 2020/21 (3 CFU), 2020/21 (3 CFU), 2021/22 (4 CFU), 2022/23 (2 CFU), 2023/24 (4 CFU)

- *Course* “Practical Course in Molecular Biology”
- *Program* Bachelor Degree in Biotechnologies
- *Period* Academic Year 2020/21 (3 CFU), 2021/22 (3 CFU), 2022/23 (3 CFU)

- *Course* “Cellular Biology”
- *Program* Bachelor Degree in Biological Sciences
- *Period* Academic Year 2014/15 (6 CFU)
Academic Year 2015/16 (6 CFU)
Academic Year 2016/17 (6 CFU)
Academic Year 2018/19 (6 CFU)
Academic Year 2019/20 (6 CFU)

- *Course* “Stem Cells in Somatic Tissue Cell Homeostasis”
- *Program* Master Degree in Biology
- *Period* Academic Year 2013/14 (6 CFU)
Academic Year 2014/15 (6 CFU)
Academic Year 2016/17 (4.3 CFU)
Academic Year 2017/18 (6 CFU)
Academic Year 2018/19 (6 CFU)
Academic Year 2019/20 (6 CFU)

- *Position* **Lecturer**

• <i>Course</i>	<i>Seminar topic: Neural Stem Cells: brain niches and neurodegenerative diseases</i>
• <i>University</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Program</i>	<i>for the program European Region Action Scheme for the Mobility of University Students, (ERASMUS) for the students of the University Milano-Bicocca and University of Paris (Double degree program)</i>
• <i>Period</i>	<i>26 OCTOBER 2015 - 25 OCTOBER 2016 - 24 OCTOBER 2017 - 24 OCTOBER 2018 – 22 OCTOBER 2019 – 28 OCTOBER 2020- OCTOBER 2021 – OCTOBER 2022 - OCTOBER 2023</i>

• <i>Position</i>	Cultore della Materia
• <i>University</i>	University Milano Bicocca – Dept. Of Biotechnology and Biosciences
• <i>Program</i>	<i>For the courses Cellular Biology (Bachelor Degree in Biological Sciences) and Stem Cells in Somatic Tissue Cell Homeostasis (Master Degree in Biology)</i>
• <i>Period</i>	<i>18 MAGGIO 2008</i>

4B. ROLE WITHIN PHD COURSES

• <i>Position</i>	Member of the External Board PhD Program: Converging Technologies for Biomolecular Systems (TeCSBi) University Milano Bicocca – Dept. Of Biotechnology and Biosciences 2019-to date
• <i>Position</i>	Supervisor for PhD Student <ul style="list-style-type: none"> - Supervisor di Edvige Vulcano - Università Milano-Bicocca, Dottorato TeCSBi, Ciclo XXXIX - Co-supervisor di Angela Maria Giada Giovenale e Giorgia Ruotolo, Dottorato TeCSBi, Ciclo XXXVIII, Dottorati Executive - Supervisor di Ivan Lombardi – Univeristà Milano-Bicocca, Dottorato DIMET - Co-supervisor of Elisa Perciballi – University Milano Bicocca, PhD program TeCSBi, Ciclo XXXVI - Supervisor di Anna Figiel-Dąbrowska within her fellowship (1 month). PhD program of Mossakowski Medical Research Centre, Polish Academy of Sciences
• <i>Position</i>	Reviewer for PhD thesis: <ul style="list-style-type: none"> - Università di Perugia – Dottorato in Biotecnologie (Dottoranda Ilaria Tortorella) - University la Sapienza di Roma, PhD course in Genetic and Molecular Biology (Students Dr. Elisa Maria Turco and Dr. Giovanna Rotundo) - University of Foggia, PhD course in Experimental and Regenerative Medicine XXXI cicle (Student Dr. Lucia Fidanza) - University degli Studi di Sassari, PhD program in Biomedical Sciences (Student Dr. Sara Cruciani)

4C TEACHING POSITIONS WITHIN ADVANCED TRAINING COURSES FOR RESEARCHER (ALTA FORMAZIONE)

• <i>Dates</i>	AUGUST 2018-UP TO DATE
• <i>Institutions</i>	<i>IATA "Iniciativa Andalus en Terapias Avanzadas" Universidad de Granada</i>
• <i>Position</i>	<i>Professor for the "MASTER DEGREE IN MANUFACTURING OF ADVANCED THERAPY MEDICINAL PRODUCT"</i>

- MODULO 3.1: Cells with current and potential clinical application
 - MODULO 9.3: Non-clinical and Clinical aspects concerning the regulation of ATMP development - Non-clinical protocol design
 a.a 2019/2020
 a.a. 2020/2021
 a.a 2022/2023

<ul style="list-style-type: none"> • Dates • Institutions • Position 	<p>JULY-DECEMBER 2014</p> <p><i>IRCCS Fondazione Casa Sollievo della Sofferenza,</i></p> <p><i>Selected Professor for the advanced training course to experienced researchers (74 hours): “Human and murine neural stem cells”</i></p> <p><i>Within the European funded project for the implementation of “Institute for Stem_cell Biology Regenerative medicine and Innovative Therapies (ISBReMIT) PONa3_00326/F1</i></p>
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5 THIRD MISSION

<ul style="list-style-type: none"> • Dates • Istitution • Ruolo 	<p>2018-TO DATE</p> <p>University Milano Bicocca – Dept. Of Biotechnology and Biosciences</p> <p>Member of the Orientation Commission dedicated to undergraduate students</p>
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SCIENCE DISSEMINATION TO UNDERGRADUATE STUDENTS

<ul style="list-style-type: none"> • Dates • Institution 	<p>MARCH 2015 - MARCH 2016 - MARCH 2018 - MARCH 2019- MARCH 2023</p> <p>UNISTEM Day</p> <p><i>University Milano Bicocca</i></p> <p><i>Educational day focused on stem cells biology and translational applications dedicated to undergraduate students.</i></p>
<ul style="list-style-type: none"> • Title 	<p><i>Neural Stem cells and therapeutic approaches</i></p>

<ul style="list-style-type: none"> • Dates • Institutions 	<p>18-20 JANUARY 2016</p> <p><i>- High School “Cantonale di Mendrisio”</i></p> <p><i>- The future of the Human being. Organized by the L’ideatorio of the Italian University of Switzerland for the undergraduate student that participated to the Student European Parliament for the definition of guidelines on the application of Embryonic Stem Cells.</i></p>
<ul style="list-style-type: none"> • Position 	<p><i>Reference Expert in the Round table : Embryonic Stem Cells.</i></p>

OTHER DISSEMINATION ACTIVITY

<ul style="list-style-type: none"> • Dates • Association • Dissemination activity 	<p>2015 – UP TO DATE</p> <p>REVERT ONLUS</p> <p><i>Dissemination of scientific outcomes of research project and clinical trials dedicated to cell therapies for neurodegenerative diseases.</i></p> <p><i>Revert Onlus is a not-for-profit organization that, since 2003, sustains the development of clinical and pre-clinical research for the cure of neurodegenerative diseases with use of Neural Stem Cells. Revert has participated to the first Italian clinical trial using Neural Stem Cells dedicated to ALS patients (EUdraCT 2009-014484-39), and to the Phase I trial dedicated to MS patients (EudraCt 2015-00485537)</i></p>
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6. EDUCATION AND TRAINING

<ul style="list-style-type: none">• <i>Dates</i>• <i>Education program</i>• <i>Istituto</i>• <i>Title</i>	<p>FEBRUARY 2003 -MARCH 2007 <i>PhD Program in Molecular Medicine</i> <i>Curriculum (section): Neurosciences</i> <i>University Vita-Salute San Raffaele Hospital- Milano</i> <i>Ph.D in Molecular Medicine section Neurosciences 20/03/2007</i></p>
<ul style="list-style-type: none">• <i>Dates</i>• <i>Education program</i>• <i>Istituto</i>• <i>Title</i>	<p>SETTEMBRE 1996 –LUGLIO 2001 <i>Master of Science (Laurea) in Biotechnologies applied to Pharmacy</i> <i>University degli Studi di Milano - Milan</i> <i>Doctor in Biotechnologies applied to Pharmacy (summa cum laude)</i> <i>18/07/2001</i></p>
<ul style="list-style-type: none">• <i>Dates</i>• <i>Istituto</i>• <i>Title</i>	<p>JULY 1995 <i>Scientific high school “A. Issel” di Finale Ligure</i> <i>High school degree (60/60)</i></p>

8. PUBLICATIONS:

METRICS OVERVIEW (SCOPUS DECEMBER 2023):

- NR PUBLICATIONS: 45
- H-INDEX: 20
- TOT CITATIONS: 1522

PUBLICATIONS

1. Cedrola S, Guzzi GP, **Ferrari D**, Gritti A, Vescovi AL, Pendergrass JC and La Porta CA (2003) **Inorganic mercury changes the fate of murine CNS stem cells** FASEB J. May;17(8):869-71. ISSN:15306860 DOI: 10.1096/fj.02-0491fje
2. Mendez I, Sanchez-Pernaute R, Cooper O, Viñuela A, **Ferrari D**, Björklund L, Dagher A & Isacson O (2005) **Cell type analysis of functional fetal dopamine cell suspension transplants in the striatum and substantia nigra of patients with Parkinson's disease.** BRAIN Jul; 128(Pt 7): 1498-510. ISSN: 00068950 DOI: 10.1093/brain/awh510
3. Sanchez-Pernaute R, Studer L, **Ferrari D**, Perrier A, Lee H, Vinuela A and Isacson O (2005) **Long-term survival of dopamine neurons derived from parthenogenetic primate embryonic stem cells (cyno-1) after transplantation.** STEM CELLS. Aug; 23(7): 914-22. ISSN: 10665099 DOI:10.1634/stemcells.2004-0172
4. Cavazzin C[#], **Ferrari D[#]**, Facchetti F, Russignan A, Vescovi AL, La Porta CA, Gritti A. (2006) **Unique expression and localization of aquaporin- 4 and aquaporin-9 in murine and human neural stem cells and in their glial progeny.** GLIA. Jan15; 53(2): 167-181 ISSN:08941491 DOI: 10.1002/glia.20256 [#] Co-primi
5. **Ferrari D**, Sanchez-Pernaute R, Lee H, Studer L, Isacson O. (2006) **Transplanted dopamine neurons derived from primate ES cells preferentially innervate DARPP-32 striatal progenitors, the natural developmental target of substantia nigra dopamine neurons.** European Journal of Neuroscience vol. 24(7), p. 1885-1896. ISSN: 0953816X DOI: 10.1111/j.1460-9568.2006.05093. Primo autore
6. **Ferrari D.**, Vescovi AL, Bottai D. (2007) **The stem cells as a potential treatment for neurodegeneration.** METHODS IN MOLECULAR BIOLOGY, vol. 399, p. 199-213, ISSN: 1064-3745, DOI: 10.1007/978-1-59745-504-6_14 Primo autore
7. De Filippis L, **Ferrari D**, Rota Nodari L, Amati B, Snyder E, Vescovi AL. (2008) **Immortalization of human neural stem cells with the c-myc mutant T58A.** PLoS ONE. Oct 2;3(10):e3310. ISSN: 1932-6203, doi: 10.1371/journal.pone.0003310
8. **Ferrari D.**, Binda E. De Filippis L., Vescovi A.L. (2010) **Isolation of Neural Stem Cells form Neural tissue Using the Neurosphere technique** Current Protocols in Stem Cells Biology, 2009, PROTOCOL ISSN: 1941-7322, doi:10.1002/9780470151808.sc02d06s15 Primo Autore
9. Santilli G, Lamorte G, Carlessi L, **Ferrari D**, Rota Nodari L, Binda E, Delia D, Vescovi AL, De Filippis L (2010) **Mild Hypoxia enhances proliferation and multipotency of Human Neural Stem Cells.** PloS ONE Jan 5; 5(1):e8575 ISSN: 1932-6203, doi: 10.1371/journal.pone.0008575
10. Neri M, Maderna C, **Ferrari D**, Cavazzin C, Vescovi AL and Gritti A (2010) **Robust Generation Of Oligodendrocyte Progenitors From Human Neural Stem Cells And Engraftment In Experimental Demyelination Models In Mice** PloS ONE Apr 12;5(4):e10145. ISSN: 1932-6203, doi: 10.1371/journal.pone.0010145
11. Rota Nodari L, **Ferrari D**, Giani F, Bossi M, Rodriguez-Menendez V, Tredici G, Delia D, Vescovi AL, De Filippis L. (2010) **Long-Term Survival of Human Neural Stem Cells in the Ischemic Rat Brain upon Transient Immunosuppression** PLoS One. Nov 19;5(11):e14035. ISSN:1932-6203 doi: 10.1371/journal.pone.0014035.

12. **Ferrari D^{#*}**, Zalfa C[#], Rota Nodari L, Gelati M, Carlessi L, Delia D, Vescovi AL, De Filippis L*. (2012) **Differential pathotropism of non-immortalized and immortalized human neural stem cell lines in a focal demyelination model**. Cell Mol Life Sci. Apr;69(7):1193-210. ISSN: 1420-682X, doi: 10.1007/s00018-011-0873-5 # Co-primi, *co-corresponding authors
13. Franchi S, Valsecchi AE, Borsani E, Procacci P, **Ferrari D**, Zaffa C, Sartori P, Rodella LF, Vescovi A, Maione S, Rossi F, Sacerdote P, Colleoni M, Panerai AE. (2012) **Intravenous neural stem cells abolish nociceptive hypersensitivity and trigger nerve regeneration in experimental neuropathy**. Pain. Apr;153(4):850-61. ISSN: 0304-3959, doi: 10.1016/j.pain.2012.01.008
14. Franchi S, Castelli M, Amodeo G, Niada S, **Ferrari D**, Vescovi A, Brini AT, Panerai AE, Sacerdote P. (2014) **Adult stem cell as new advanced therapy for experimental neuropathic pain treatment** Biomed Res Int. 2014;2014:470983. ISSN: 2314-6133, doi: 10.1155/2014/470983
15. Mazzini L, Gelati M, Profico DC, Sgaravizzi G, Progetti Pensi M, Muzi G, Ricciolini C, Rota Nodari L, Carletti S, Giorgi C, Spera C, Domenico F, Bersano E, Petruzzelli F, Cisari C, Maglione A, Sarnelli MF, Stecco A, Querin G, Masiero S, Cantello R, **Ferrari D**, Zalfa C, Binda E, Visioli A, Trombetta D, Novelli A, Torres B, Bernardini L, Carriero A, Prandi P, Servo S, Cerino A, Cima V, Gaiani A, Nasuelli N, Massara M, Glass J, Sorarù G, Boullis NM, Vescovi AL. (2015) **Human neural stem cell transplantation in ALS: initial results from a phase I trial**. J Transl Med. Jan 27;13:17. ISSN: 1479-5876, doi: 10.1186/s12967-014-0371-2
16. Lidia De Filippis, Cristina Zalfa **Daniela Ferrari** **Neural Stem Cells and Human induced pluripotent stem cells to model rare CNS diseases** (2017) CNS Neurol Disord Drug Targets 2017 Jun 15 doi: 10.2174/1871527316666170615121753
17. **Ferrari D^{*}**, Gelati M, Profico DC, Vescovi AL*. **Human Fetal Neural Stem Cells for Neurodegenerative Disease Treatment**. Results Probl Cell Differ. 2018;66:307-329. doi: 10.1007/978-3-319-93485-3_14. *co-corresponding authors
18. Rosati J, Bidollari E, Rotundo G, **Ferrari D**, Torres B, Bernardini L, Consoli F, De Luca A, Santimone I, Lamorte G, Squitieri F, Vescovi AL. **Generation of induced pluripotent stem cell line, CSSi002-A (2851), from a patient with juvenile Huntington Disease. Stem Cell Res**. 2018 Jan 9;27:86-89. doi: 10.1016/j.scr.2018.01.011.
19. Rosati J, Altieri F, Tardivo S, Turco EM, Goldoni M, Spasari I, **Ferrari D**, Bernardini L, Lamorte G, Valente EM, Vescovi AL. **Production and characterization of human induced pluripotent stem cells (iPSCs) from Joubert Syndrome: CSSi001-A (2850)**. Stem Cell Res. 2018 Jan 9;27:74-77. doi: 10.1016/j.scr.2018.01.012.
20. Altieri F, Turco EM, Vinci E, Torres B, **Ferrari D**, De Jaco A, Mazzoccoli G, Lamorte G, Nardone A, Della Monica M, Bernardini L, Vescovi AL, Rosati J. **Production and characterization of CSSi003 (2961) human induced pluripotent stem cells (iPSCs) carrying a novel puntiform mutation in RAI1 gene, Causative of Smith-Magenis syndrome**. Stem Cell Res. 2018 Feb 21;28:153-156. doi: 10.1016/j.scr.2018.02.016.
21. Bidollari E, Rotundo G, **Ferrari D**, Candido O, Bernardini L, Consoli F, De Luca A, Santimone I, Lamorte G, Ilari A, Squitieri F, Vescovi AL, Rosati J. **Generation of induced pluripotent stem cell line, CSSi004-A (2962), from a patient diagnosed with Huntington's disease at the presymptomatic stage**. Stem Cell Res. 2018 Feb 21;28:145-148. doi: 10.1016/j.scr.2018.02.014. [Epub ahead of print]
22. Grasselli C, **Ferrari D**, Zalfa C, Soncini M, Mazzoccoli G, Facchini FA, Marongiu L, Granucci F, Copetti M, Vescovi AL, Peri F, De Filippis L. **Toll-like receptor 4 modulation influences human neural stem cell proliferation and differentiation**. Cell Death Dis. 2018 Feb 15;9(3):280. doi: 10.1038/s41419-017-0139-8.
23. Rotundo G, Bidollari E, **Ferrari D**, Spasari I, Bernardini L, Consoli F, De Luca A, Santimone I, Lamorte G, Migliore S, Squitieri F, Vescovi AL, Rosati J **Generation of the induced pluripotent stem cell line CSSi006-A (3681) from a patient affected by advanced-stage Juvenile Onset**

- Huntington's Disease.** Stem Cell Res. 2018 May;29:174-178. doi: 10.1016/j.scr.2018.04.008. Epub 2018 Apr 21.
24. Mazzini, L; **Ferrari, D**; Andjus, P; Buzanska, L; Cantello, R; De Marchi, F; Gelati, M; Giniatullin, R; Glover, J; Grilli, M; Kozlova, E; Maioli, M; Mitrečić, D; Pivoriunas, A; Sanchez-Pernaute, R; Sarnowska, A; Vescovi, A. **Advances in stem cell therapy for amyotrophic lateral sclerosis.** EXPERT OPINION ON BIOLOGICAL THERAPY, 18(8), 865-881.
 25. Turco EM, Vinci E, Altieri F, Ferrari D, Torres B, Goldoni M, Lamorte G, Tata AM, Mazzoccoli G, Postorivo D, Della Monica M, Bernardini L, Vescovi AL, Rosati J. **Copy number variations in healthy subjects. Case study: iPSC line CSSi005-A (3544) production from an individual with variation in 15q13.3 chromosome duplicating gene CHRNA7.** Stem Cell Res. 2018 Oct;32:73-77. doi: 10.1016/j.scr.2018.09.002. Epub 2018 Sep 6.
 26. Rosati J, **Ferrari D**, Altieri F, Tardivo S, Ricciolini C, Fusilli C, Zalfa C, Profico DC, Pinos F, Bernardini L, Torres B, Manni I, Piaggio G, Binda E, Copetti M, Lamorte G, Mazza T, Carella M, Gelati M, Valente EM, Simeone A, Vescovi AL. **Establishment of stable iPS-derived human neural stem cell lines suitable for cell therapies.** Cell Death Dis. 2018 Sep 17;9(10):937. doi: 10.1038/s41419-018-0990-2.
 27. Zalfa C, Rota Nodari L, Vacchi E, Gelati M, Profico D, Boido M, Binda E, De Filippis L, Copetti M, Garlatti V, Daniele P, Rosati J, De Luca A, Pinos F, Cajola L, Visioli A, Mazzini L, Vercelli A, Svelto M, Vescovi AL*, **Ferrari D***. **Transplantation of clinical-grade human neural stem cells reduces neuroinflammation, prolongs survival and delays disease progression in the SOD1 rats.** Cell Death Dis. 2019 Apr 25;10(5):345. doi: 10.1038/s41419-019-1582-5. * co-corresponding author
 28. Mazzini L, Gelati M, Profico DC, Sorarù G, **Ferrari D**, Copetti M, Muzi G, Ricciolini C, Carletti S, Giorgi C, Spera C, Frondizi D, Masiero S, Stecco A, Cisari C, Bersano E, De Marchi F, Sarnelli MF, Querin G, Cantello R, Petruzzelli F, Maglione A, Zalfa C, Binda E, Visioli A, Trombetta D, Torres B, Bernardini L, Gaiani A, Massara M, Paolucci S, Boulis NM, Vescovi AL; ALS-NSCs Trial Study Group. **Results from Phase I Clinical Trial with Intraspinal Injection of Neural Stem Cells in Amyotrophic Lateral Sclerosis: A Long-Term Outcome.** Stem Cells Transl Med. 2019 May 18. doi: 10.1002/sctm.18-0154.
 29. Altieri F, D'Anzi A, Martello F, Tardivo S, Spasari I, **Ferrari D**, Bernardini L, Lamorte G, Mazzoccoli G, Valente EM, **Vescovi AL**, Rosati J. **Production and characterization of human induced pluripotent stem cells (iPSC) CSSi007-A (4383) from Joubert Syndrome.** Stem Cell Res. 2019 Jul;38:101480. doi: 10.1016/j.scr.2019.101480. Epub 2019 Jun 5.
 30. Bidollari E, Rotundo G, Altieri F, Amicucci M, Wiquel D, **Ferrari D**, Goldoni M, Bernardini L, Consoli F, De Luca A, Fanelli S, Lamorte G, D'Agruma L, Vescovi AL, Squitieri F, Rosati J. **Generation of induced pluripotent stem cell line CSSi008-A (4698) from a patient affected by advanced stage of Dentato-Rubral-Pallidoluysian atrophy (DRPLA).** Stem Cell Res. 2019;40:101551. doi:10.1016/j.scr.2019.101551
 31. Casamassa A, **Ferrari D**, Gelati M, Carella M, Vescovi AL, Rosati J. **A Link between Genetic Disorders and Cellular Impairment, Using Human Induced Pluripotent Stem Cells to Reveal the Functional Consequences of Copy Number Variations in the Central Nervous System-A Close Look at Chromosome 15.** Int J Mol Sci. 2020;21(5):1860. Published 2020 Mar 9. doi:10.3390/ijms21051860
 32. Fernández-Muñoz B, Rosell-Valle C, **Ferrari D**, Alba-Amador J, Montiel MÁ, Campos-Cuerva R, Lopez-Navas L, Muñoz-Escalona M, Martín-López M, Profico DC, Blanco MF, Giorgetti A, González-Muñoz E, Márquez-Rivas J, Sanchez-Pernaute R. **Retrieval of germinal zone neural stem cells from the cerebrospinal fluid of premature infants with intraventricular hemorrhage** Stem Cells Transl Med. 2020;10.1002/sctm.19-0323. doi:10.1002/sctm.19-0323
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- L145F mutation in SOD1 gene.** Stem Cell Res. 2020 Jul 25;47:101924. doi: 10.1016/j.scr.2020.101924. Epub ahead of print. PMID: 32739880.
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ORAL PRESENTATIONS TO INTERNATIONAL AND NATIONAL MEETING

13th International Congress of Polish Neurosciences Society

28-31 August 2017, Warsaw

Title: Human Neural Stem Cells for Neurodegenerative disease treatment

Cost Action CA16122 – BIONECA - Working Group meeting in Malta

5-8 March 2018

Presentation title: Strategic planning to accelerate the progress of neural stem cells therapy for Amyotrophic Lateral Sclerosis: preparation of a European multicentric Phase II and preclinical studies

44th FEBS congress

6-11 July 2019, Krakow

Title: Human neural stem cells sources for cell therapies in the CNS and a synopsis of the experience from phase I clinical trials

Motor neuron diseases: understanding the pathogenetic mechanisms to develop therapies.

6-7 November, 2020, Turin

Title: Human neural stem cells for experimental cell therapies approaches in ALS: a synopsis of the experience from preclinical and Phase I clinical trials

13th IANR conference (International Association of Neurorestoratology) & 7th International conference “Stem cells: therapeutic outlook for nervous system disorders”

26-28 March, 2021, Warsaw

Titolo: Production and characterization of human neural stem cells for clinical application

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del D.P.R. 445/2000.

15/06/2021 Daniela Ferrari