



## **1. PERSONAL INFORMATION**

<b>Name</b>	<b>FERRARI, DANIELA</b>
<b>E-mail</b>	<b>daniela.ferrari@unimib.it</b>
<b>Work address</b>	University Milano Bicocca Dept. Biotechnology and Biosciences P.zza della Scienza, 2 – 20126 Milan
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## **2. WORK EXPERIENCE**

### **2A. CURRENT POSITIONS AND TITLES:**

- RTDA at University Milano Bicocca, Dept. of Biotechnology and Biosciences, Settore Concorsuale 05/F1, Settore Scientifico Disciplinare: BIO/13 Applied Biology
- Abilitazione Scientifica Nazionale, II Fascia, Settore Concorsuale 05/F1, Settore Disciplinare: BIO/13, Applied Biology
- 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> )
- Member of the EU COST ACTION (CA16122): Biomaterials and Advanced Physical Techniques for regenerative cardiology and neurology ( <https://bioneca.eu/working-groups/> )
- Supervisor for the University of Milano-Bicocca (UNIMIB) within the Scientific Collaboration Agreement between UNIMIB and Fondazione IRCCS Casa Sollievo della Sofferenza Opera di San Pio da Pietralcina
- Co-supervisor with Prof. Paola Fusi of the PhD student: Elisa Perciballi enrolled in the PhD Course Converging Technologies for Biomolecular Systems (TeCBSi), XXXVI Cycle (Tutor: Prof. Paola Branduardi).
- Member of the Orientation Commission dedicated to undergraduate students of the University of Milano-Bicocca, Dept. of Biotechnology and Biosciences

## **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 assess safety and therapeutic efficacy of hNSCs lines derived from fetal brain and from iPSCs (ihNSCs).

## **2B. PAST RESEARCH POSITIONS:**

• <i>Dates</i>	<b>NOVEMBER 2017 – AUGUST 2018</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Position</i>	Research fellow (Assegnista di Ricerca), 12 months Research topic: <i>“Validazione preclinica di linee di cellule staminali neurali umane per lo sviluppo di trial clinici per la cura della Sclerosi Laterale Amiotrofica e altre patologie”</i> SSD: BIO/13

• <i>Dates</i>	<b>NOVEMBER 2015 – OCTOBER 2017</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Position</i>	Research fellow (Assegnista di Ricerca) 24 months

• <i>Dates</i>	<b>SEPTEMBER 2014 – SEPTEMBER 2018</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Position</i>	Adjunct Professor for the course <i>Biologia Cellulare Laurea in Scienze Biologiche</i>

• <i>Dates</i>	<b>SEPTEMBER 2013 – SEPTEMBER 2018</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Position</i>	Adjunct Professor for the course <i>Omeostasi cellulare nei tessuti somatici e cellule staminali Laurea magistrale in Biologia</i>

• <i>Dates</i>	<b>APRIL 2012 - AUGUST 2013</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Position</i>	Research fellow (Assegnista di Ricerca) 12 months

• <i>Dates</i>	<b>JULY- NOVEMBER 2011</b>
• <i>Employer</i>	No-profit association Neurothon Onlus –Milano
• <i>Position</i>	Post-doctoral Fellow, Research topic: <i>“Analysis of functional and therapeutic properties of human and murine neural stem cells lines”</i>

• <i>Dates</i>	<b>DECEMBER 2009 – NOVEMBER 2010</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences

• <i>Position</i>	Post-doctoral Fellow, Research topic: "Assessment of proliferation, differentiation and tumorigenicity of neural stem cells lines derived from tumors and healthy tissue"
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• <i>Dates</i>	<b>DECEMBER 2008 – NOVEMBER 2009</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Position</i>	Research fellow (Assegnista di Ricerca) 12 months, Research topic: "Development of experimental cell therapies in an animal model of global cerebral ischemia"

• <i>Dates</i>	<b>JULY 2007 – OCTOBER 2008</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Position</i>	Post-doctoral Fellow, Research topic: "Transplantation of adult stem cells for the development of regenerative cell therapies"

• <i>Dates</i>	<b>MAY 2006 – JUNE 2007</b>
• <i>Institute</i>	University Milano Bicocca - Dept. Of Biotechnology and Biosciences
• <i>Position</i>	Post-doctoral research fellow, Project: " Pluripotency associated genes to de-differentiate neural cells into pluripotent cells (PLURIGENES)"

## **2c INTERNATIONAL PHD POSITION:**

• <i>Dates</i>	<b>FEBRUARY 2003 -MARCH 2007</b>
• <i>Supervisors</i>	- Prof. Vescovi Angelo, - Prof. Ole Isacson,
• <i>Institute</i>	- Stem Cell Research Institute, DIBIT, Ospedale San Raffaele, Milano - McLean Hospital, Neuroregeneration Laboratory, Harvard Medical School, Boston, Massachusetts
• <i>Position</i>	<i>PhD student</i> <i>International PhD Program in Molecular Medicine, curriculum Neuroscience SSD BIO/13, University Vita-Salute Hospital San Raffaele,</i> <i>Title of the project: Stem cell based experimental treatments for Parkinson's disease: transplantation of primate ES cells into the striatum of hemi-parkinsonian rats.</i>

## **2D TEACHING ACTIVITY**

<ul style="list-style-type: none"><li>• Dates</li><li>• University</li><li>• Position</li></ul>	<p><b>SEPTEMBER 2020-SEPTEMBER 2021</b></p> <p>University of Milano-Bicocca - Dept. Of Biotechnology and Biosciences “Laboratorio Integrato chimico Biologico”, Laurea in Scienze Biologiche Academic Year 2020/21 (3 CFU)</p> <p>“Laboratorio di Tecnologie Abilitanti” “Laurea in Biotecnologie Industriali Academic Year 2020/21 (3 CFU)</p>
<ul style="list-style-type: none"><li>• Dates</li><li>• University</li><li>• Position</li></ul>	<p><b>SEPTEMBER 2014 – SEPTEMBER 2020</b></p> <p>University of Milano-Bicocca - Dept. Of Biotechnology and Biosciences Course “Biologia Cellulare”, Laurea in Scienze Biologiche Academic Year 2014/15 (6 CFU, SSD BIO/13) Academic Year 2015/16 (6 CFU, SSD BIO/13) Academic Year 2016/17 (6 CFU, SSD BIO/13) Academic Year 2018/19 (6 CFU, SSD BIO/13) Academic Year 2019/20 (6 CFU, SSD BIO/13)</p>
<ul style="list-style-type: none"><li>• Dates</li><li>• University</li><li>• Position</li></ul>	<p><b>FEBRUARY 2014 – SEPTEMBER 2017</b></p> <p>University Milano Bicocca Course of Omeostasi cellulare nei tessuti somatici e cellule staminali Laurea magistrale in Biologia Academic Year 2013/14 (6 CFU, SSD BIO/13) Academic Year 2014/15 (6 CFU, SSD BIO/13) Academic Year 2016/17 (6 CFU, SSD BIO/13) Academic Year 2018/19 (6 CFU, SSD BIO/13) Academic Year 2019/20 (6 CFU, SSD BIO/13)</p>
<ul style="list-style-type: none"><li>• Dates</li><li>• University</li><li>• Lecture:</li></ul>	<p><b>26 OCTOBER 2015 - 25 OCTOBER 2016 - 24 OCTOBER 2017 - 24 OCTOBER 2018 – 22 OCTOBER 2019 – 28 OCTOBER 2020</b></p> <p>- University Milano Bicocca, University of Paris 7 (Paris Diderot) - Lecturer for the program European Region Action Scheme for the Mobility of University Students, (ERASMUS)</p> <p>Seminar title: Neural Stem Cells: brain niches and neurodegenerative diseases.</p>

## **2E PROFESSOR POSITIONS WITHIN ADVANCED TRAINING COURSES FOR RESEARCHER (ALTA FORMAZIONE)**

• Dates	<b>AUGUST 2018-UP TO DATE</b>
• Institutions	<i>IATA "Iniciativa Andalus en Terapias Avanzadas" Universidad de Granada</i>
• Position	<i>Professor for the "MASTER DEGREE IN MANUFACTURING OF ADVANCED THERAPY MEDICINAL PRODUCT" - 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</i>
• Dates	<b>JULY-DECEMBER 2014</b>
• Institutions	<i>IRCCSS Fondazione Casa Sollievo della Sofferenza,</i>
• Position	<i>Selected Professor for the advanced training course to experienced researchers (74 hours): "Human and murine neural stem cells" Within the European funded project for the implementation of "Institute for Stem_cell Biology Regenerative medicine and Innovative Therapies (ISBReMIT) PONa3_00326/F1</i>

## **2F THIRD MISSION**

### **SCIENCE DISSEMINATION TO UNDERGRADUATE STUDENTS**

• Dates	<b>MARCH 2015 - MARCH 2016 - MARCH 2018 - MARCH 2019</b>
• Institution	<b>UNISTEM Day</b> <i>University Milano Bicocca Educational day focused on stem cells biology and translational applications dedicated to undergraduate students.</i>
• Title	<i>Neural Stem cells and therapeutic approaches</i>
• Dates	<b>18-20 JANUARY 2016</b>
• Institutions	<i>- High School "Cantonale di Mendrisio" - 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>
• Position	<i>Reference Expert in the Round table : Embryonic Stem Cells.</i>

### **3. EDUCATION AND TRAINING**

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|----------------------------|---|
| • <i>Dates</i>             | <b>FEBRUARY 2003 -MARCH 2007</b>  |
| • <i>Education program</i> | <i>PhD Program in Molecular Medicine<br/>Curriculum (section): Neurosciences</i>  |
| • <i>Istitute</i>          | <i>University Vita-Salute San Raffaele Hospital- Milano</i>   |
| • <i>Title</i>             | <i>Ph.D in Molecular Medicine section Neurosciences 20/03/2007</i>  |
| • <i>Dates</i>             | <b>SETTEMBRE 1996 –LUGLIO 2001</b>  |
| • <i>Education program</i> | <i>Master of Science (Laurea) in Biotechnologies applied to Pharmacy</i>  |
| • <i>Istitute</i>          | <i>University degli Studi di Milano - Milan</i>   |
| • <i>Title</i>             | <i>Doctor in Biotechnologies applied to Pharmacy (summa cum laude)<br/>18/07/2001 (see attachment Ferrai D Certificato di Laurea)</i> |
| • <i>Dates</i>             | <b>JULY 1995</b>  |
| • <i>Istitute</i>          | <i>Scientific high school "A. Issel" di Finale Ligure</i>   |
| • <i>Title</i>             | <i>High school degree (60/60)</i>   |

## **6. PUBLICATIONS:**

### **METRICS OVERVIEW (SCOPUS):**

- **NR PUBLICATIONS: 33**
- **H-INDEX: 17**
- **TOT CITATIONS: 1171**

### **PUBLICATIONS AS FIRST, LAST AND/OR CORRESPONDING AUTHOR**

1. **Ferrari D**, Cavazzin C, 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
2. **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.x
3. **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
4. **Ferrari D.**, Binda E. De Filippis L., Vescovi A.L. (2010) **Isolation of Neural Stem Cells from Neural tissue Using the Neurosphere technique** Current Protocols in Stem Cells Biology, 2009, PROTOCOL ISSN: 1941-7322, doi:10.1002/9780470151808.sc02d06s15
5. **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 \*corresponding author
6. **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. \*corresponding author
7. 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. \* Corresponding author

### **CO-AUTHORED 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. 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
5. 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
6. 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
7. 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.
8. 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
9. 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
10. 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
11. 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
12. 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.
13. 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.
14. 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.



15. 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]
16. 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.
17. 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.
18. 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.
19. 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.
20. 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 iPSC-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.
21. 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.
22. 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.
23. 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
24. 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

25. 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** [published online ahead of print, 2020 May 30]. Stem Cells Transl Med. 2020;10.1002/sctm.19-0323. doi:10.1002/sctm.19-0323
26. D'Anzi A, Altieri F, Perciballi E, **Ferrari D**, Bernardini L, Goldoni M, Mazzini L, De Marchi F, Di Pierro A, D'Alfonso S, Gelati M, Vescovi AL, Rosati J. **Generation of an induced pluripotent stem cell line, CSSi011-A (6534), from an Amyotrophic lateral sclerosis patient with heterozygous 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.

### **ACCEPTED PUBLICATIONS**

**Daniela Ferrari**, Angela D'Anzi, Alessia Casamassa, Laura Bernardini, Ada Maria Tata, Angelo Luigi Vescovi, Jessica Rosati. "FUNCTIONAL OUTCOMES OF COPY NUMBER VARIATIONS OF CHRNA7 GENE: CURRENT KNOWLEDGE AND NEW INSIGHT FROM INDUCED PLURIPOTENT STEM CELLS STUDIES", IN PRESS, chapter to "Induced Pluripotent Stem Cells – Novel Concepts", a forthcoming volume which will be in the Elsevier series "Advances in Stem Cell Biology".

### **ORAL PRESENTATIONS TO INTERNATIONAL AND NATIONAL MEETING**

#### **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

#### **13<sup>th</sup> International Congress of Polish Neurosciences Society**

28-31 August 2017, Warsaw

Title: Human Neural Stem Cells for Neurodegenerative disease treatment

#### **44<sup>th</sup> 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

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del D.P.R. 445/2000.  
20/07/2020

Daniela Ferrari