CURRICULUM VITAE
ILARIA DECIMO PhD

BIOGRAPHIC DATA

First Name: Ilaria
Last Name: Decimo
Date of birth 5th April 1977
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POSITION TITLE

Associate Professor, University of Verona
R&D Director, HEMERA s.r.l.

EDUCATION

Jan 2003-Jun 2006	Ph.D. in 'Biotechnology Applied to Biomedical Sciences' University of Verona, Verona, Italy.
Oct 1996-Nov 2002	Degree in 'Plant Biotechnology', Faculty of Biotechnology, University of Milan, Milan, Italy. Maximum degree of marks.

CURRENT POSITIONS

Dec 2015-> present	*Group leader:* Laboratory of Pharmacology at Dept. of Diagnostic and Public Health, University of Verona, Italy
Dec 2021 -> present	Associate Professor of Pharmacology, University of Verona, Italy
Dec 2021 -> present	R&D Director, HEMERA s.r.l.

PREVOIUS POSITIONS

May 2018 -> Nov 2021	Assistant professor tenure track (Pharmacology) RTDb, University of Verona, Italy;
May 2015 -> Sept 2018	Assistant professor Junior RTDa (Pharmacology), University of Verona, Italy;
May 2015-Sept 2015	Visiting scientist at Laboratory of Angiogenesis and Neurovascular Link, Vesalius Research Center (VRC), Leuven, Belgium
May 2013-April 2015	Marie Curie (IEF) post-doctoral fellowship at the Laboratory of Angiogenesis and Neurovascular Link, Vesalius Research Center (VRC), Leuven, Belgium
May 2012-May 2013	Visiting scientist at Laboratory of Angiogenesis and Neurovascular Link, Vesalius Research Center (VRC), Leuven, Belgium

Jan 2006-April 2012	Post-doctoral fellow, Pharmacology lab, University of Verona, Italy. Lecturer for PhD course in Translational Biomedicine, course of Pharmacology
Jan 2003-Jun 2006	Graduate student, Biotechnology applied to Biomedical sciences, University of Verona, Verona, Italy.

Prof. Ilaria Decimo is author Prof. Ilaria Decimo is author of 28 papers and 9 reviews (6 first, 7 last author) and she has a score of **2637** citations and **H index=22** (Scopus). Prof. Ilaria Decimo is involved in several mentoring and teaching activities. She has supervised 5 Postdocs, 8 PhD students, 27 undergraduate students. She is professor at the Master's degree in Molecular and Medical Biotechnology and Master's degree in Medicine. Prof. **Decimo research group** is composed by: **2 senior researcher**, expertise in cell metabolism and neural differentiation, **1 postdocs, 3 PhD students, 2 research fellowship, 1 senior technicians** and **3 master students**. The research group has a multidisciplinary consolidate knowledge and practical research expertise in neural regeneration, pharmacology, neural stem cell culture, neurogenesis, brain organoid technology, neural diseases and transgenic *in vivo* animal model,

TEACHING ACTIVITIES

2021-present	Professor of Toxicology and Applied Pharmacology (6 credits) Master's degree in Molecular and Medical Biotechnology, University of Verona, Italy
2016-present	Professor of Molecular Pharmacology (6 credits) Master's degree in Molecular and Medical Biotechnology, University of Verona, Italy
2017-present	Professor of "Sciences introduction to the medical profession" (1 credit), Master degree in Medicine and Surgery, University of Verona, Italy
2017-present	Professor of "Systematic pathology" (1 credit), Master's degree in Medicine and Surgery, University of Verona, Italy
2021	Professor of General pathology and pharmacology (2 credit), Bachelor's degree in Cardiocirculatory Physiopathology and Cardiovascular Perfusion Techniques (national qualification), University of Verona Italy

FOREIGN TEACHING ACTIVITIES

2020– present	Master degree in Génétique: ""In vitro 3D brain modeling: the organoid technology" University of Paris and University of Padua.

INSTITUTIONAL RESPONSIBILITIES

2023-	Member of the Committee for student association grant assignment, University of Verona, Italy
2020– present	Member of the Technical and Scientific Committee of CIRSAL (Interdepartmental Centre for Experimental Research)
2016 – present	Faculty member and Graduate Student Advisor, Master degree in Molecular and Medical Biotechnology, University of Verona, Italy
2016 – present	Member of the Faculty Committee of the PhD in Neuroscience, Psychology and Psychiatry, University of Verona, Italy
2016 – present	Organizer of the Internal IN-HOUSE Seminars (12/year), University of Verona, Italy

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2015-2023	5 Postdocs, Lab of Pharmacology, Dept. of Diagnostic and Public Health, University of Verona, Italy
2006-2023	8 PhD students, University of Verona; 1 student with European PhD title for joint programme KU Leuven University, Belgium and University of Verona.
2005-2023	27 undergraduate students of Master degree in Biotechnology, University of Verona, University of Padua, University of Modena, Italy.

LEADERSHIP IN INDUSTRIAL INNOVATION:

Founder of the Spin-Off HEMERA s.r.l. an enterprise established with the aim to develop new treatment for the regeneration of the CNS and to translate the basic research to the clinical setting

R&D Director of HEMERA s.r.l. https://hemerapharma.com/

TECHNOLOGY TRANSFER

Italian patent granted : Decimo I; et al. N. 102021000006569

Patent PCT pending: "Method to obtain regenerative tumor educated macrophage for regenerative medicine" n° 102021000006569". Inventors: Decimo I; Bifari F., Locati M., Fumagalli G. International application number PCT/EP2022/057246,

PROJECT MANAGMENT

Prof. Decimo has been involved in several local, national and international project focused on neurodevelopment, neural regeneration and CNS disorders. Recently she received as Principal investigator 4 competitive grants, focused on different aspects of CNS development and regeneration, correction of neurodevelopmental defects (Telethon) and neural circuit replacement and regeneration (H2020), modulation of the neural inflammatory microenvironment (FISM). She is PI in the European project HERMES, a multidisciplinary project involving 12 European partners and coordinated by IIT of Genova.

FUNDED PROJECTS

2023-2026	**PNRR, MNESYS,** A multiscale integrated approach to the study of the nervous system in health and disease**, Italian Ministry of University and Research (MUR),** Spoke 1 Neurodevelopment. Role: Principal investigator, Budget: 360.000; https://mnesys.eu/
2018-2024	**FET-PROACT, European Innovator Council (EIC) Horizon 2020. HERMES** Hybrid Enhanced Regenerative Medicine Systems **8,4 millions euro.** Role: Responsible of Unit, budget **750.000 euro** (success rate 1%); https://hermes-fet.eu/
2022-2023	**Telethon** spring grant: " Targeting mitochondrial metabolism to promote neuronal maturation in AHDS: developing new therapeutic approaches in 3D mouse and human brain models" Role: Principal investigator, budget **48.000 euro**

2022-2023 **La Colonna Onlus (**Italian Association for spinal cord injured patients**)** Project title: "Therapeutic strategies for the cure of spinal cord injury" **60.000 euro**. Role: Principal investigator.

2020-2021 **Telethon** spring grant: " Targeting mitochondrial metabolism to promote full neural development in AHDS." Ruolo: Principal investigator, budget **48.000 euro**

2020-2022 **GALM** (associazione Italiana per le lesion spinali) Project title: "Regenerative potential of meningeal stem cells in spinal cord injury" **20.000 euro**. Ruolo: Principal investigator

2019-2021 **Joint project, University of Verona,** Simple Limbal Epithelial Transplantation (SLET): identification of new pharmacological targets for efficient treatment of limbal stem cell deficiency. Role: Responsible of Unit, budget **50.000 euro**

2018-2020 **Cariverona Foundation,** The role of neurogenesis and enriched environment in maladaptive memories, **386.200** euro. Role: Co-PI.

2018-2021 **Italian Federation for Multiple Sclerosis (FISM),** The role of meningeal neural progenitor cells in brain auto-reactive immune cell regulation **66.000 euro**. Role: Principal Investigator (success rate 10%)

2016-2019 **Professional-Dietetics,** Nutrient supplementation for the therapy of spinal cord injury **60.000 euro**. Role: Principal Investigator

2015-2017 **Intramural founding of the Department of Diagnostics and Public Health,** University of Verona, Italy. Project title: "Single-cell RNA sequencing: a cutting-edge technique to identify specific signatures of injury-induced stem cells and tumor dormant cells" **25.000 euro.** Role: Principal investigator.

2015-2019 **La Colonna Onlus (**Italian Association for spinal cord injured patients**)** Project title: "Therapeutic strategies for the cure of spinal cord injury" **60.000 euro**. Role: Principal investigator.

2015-2019 **GALM (**Italian Association of spinal cord injured patients**)** Project title: "Regenerative potential of meningeal stem cells in spinal cord injury" **50.000 euro**. Role: Principal investigator.

2013-2015 **Marie Curie Intra European fellowship (IEF).** Project title**: "**Perivascular meningeal stem cell a new player in the neurovascular unit" 177.000 **euro**. Role: Principal Investigator

2012-2014 **International Foundation for Research in Paraplegia (*IRP*)** Project title**: "**Unravel the functional role and the therapeutic potential of meningeal stem cells in spinal cord injury." **150.000 euro**. Role: Co-Investigator

2011-2012 **GALM (**Italian Association of spinal cord injured patients**)** Project title: "Adult spinal cord neural stem cell in meninges" **20.000 euro**. Role: Principal investigator.

2009-2010 **GALM (**Italian Association of spinal cord injured patients**)** Project title**:** "Adult spinal cord neural stem cell in meninges" graduate fellowship for 2 years **40.000 euro**. Role: Co-Investigator

2009-2011 **PRIN (National Italian Ministry Research Grant)** Project title: "Leptomeningeal stem/progenitor cell a novel cellular source for the treatment of experimental autoimmune encephalomyelitis" **160.000 euro**. Role: Co-Investigator

2008-2010 **PRIN (National Italian Ministry Research Grant) Project title: "**A new niche of stem/precursor cells with neural differentiation potential in the rat spinal cord leptomeninges". **80.000 eur**o. Role: Co-Investigator

Editorial and Review activities

2015-present	Review Editor, Frontiers in Cell and Developmental Biology and Frontiers in Molecular Biosciences
2012-present	Associate Editorial Board, American Journal of Stem Cell
2023- present	Reviewer for Nature Communications, iScience, FEBS, Biochemical pharmacology etc,
2024	Editor of the book: "FARMACOLOGIA GENERALE E MOLECOLARE: II PARTE Le applicazioni" and first author of 3 chapters. Edited by EDRA ISBN 9788821458934

HONOURS AND AWARDS

- 2022 Verona network prize, HEMERA project, spin_off
- 2017 Press release from the CELL STEM CELLS journal with dedicated Cover story of the issue and a pre-view "A Back Door to Cortical Development" from Gerd Kempermanna (prominent scientist in the field)
- 2017 Invited in a important national (RAI Scuola and RAI3) and regional (TeleArena, Telenuovo) broad casts for TV scientific program as prominent italian young women scientist
- 2012 Giulietta Prize, Women and Career, 15 June 2012, Verona, Italy
- 2012 Tech Travel Award Annual ISCT (International Society for cellular therapy) Seattle, WA, USA 1000$
- 2009 Prize Verona Youth 2009, CONFAPI, Young Businessman Confederation, Verona
- 2008 Best poster award 5th International Stem Cell School in Regenerative Medicine October 2008 Berlin, Germany

ORGANISATION OF SCIENTIFIC MEETINGS

- May 2009 and 2011 Member of the scientific and organising committee of the 1st and 1st and 2nd Workshop "Neurogenesis and neural differentiation of stem cells", University of Verona, Italy
- 2017 Member of the scientific and organising committee of the workshop "Who's afraid of testing drugs? A course on clinical pharmacology research" 16 and 17 November 2017, University of Verona, Italy
- 2019 21 November SIF Symposia (Italian Society of Pharmacology) at the

SIF congress Firenze 21-23 November

COMMISSIONS OF TRUST

2018	Evaluator of European Research Council Advanced Grant (ERC-AdG-2017)
2018	Evaluator of Swiss National Science Foundation (SNSF)
2021-present	FISM (Italian foundation for multiple sclerosis) grant evaluator

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2016 – present	Italian Pharmacological Society (SIF)
2012 – present	International Society of Stem Cell Research (ISSCR)
2011-present	Society for Neuroscience

INVITED SEMINAR AND MEETING PRESENTATIONS

Decimo I. " The role of meningeal neural progenitor cells in brain auto-reactive immune cell Regulation." **SINS congress, Torino, Italy, xxxx 2023**

Decimo I. " The role of meningeal neural progenitor cells in brain auto-reactive immune cell Regulation." **FISM congress 24-26 May 2022**

Decimo I. ". The role of meningeal stromal cells in brain auto-reactive immune cell regulation. **AINI congress, Verona, Italy, 16-19 September 2021**

Decimo I. "Setting up 3D in vitro brain model for drug discovery: molecular and functional characterization". **SIF congress Digital Edition 9 al 13 March 2021**

Decimo I. "Development of brain organoids for drug screening and regenerative medicine"**. SIF congress. Firenze, Italy, 19-23, November 2019**

Decimo I. "Meninges from protective membranes to stem cell niche"**. More then neurons, SIF and SINS symposia. Torino, Italy, December 1-3, 2016**

Decimo I. "Perivascular meningeal cells contribute to cortical neurogenesis in the mammalian brain." **WiBrain network meeting Bruxelles, Belgium, April 23, 2015**

Decimo I. "Spinal cord injury and endogenous neural stem cells: a new role for meninges" Opportunity and challenges in the pharmacological modulation of neural stem cells". **SIF symposia. Novara, Italy, December 14-15, 2012**

Decimo I., Fumagalli G Kusalo M., Malpeli G., Bersan E., Amato E., Scarpa G., Krampera M., Bifari F. "A new role for meninges as a niche for stem/precursor cells with neural differentiation potential during development up to adulthood". **Tech Travel Award, Annual ISCT (International Society for cellular therapy) June 5-8, 2012 Seattle, WA, USA**

Decimo I. (27th April 2011) "Spinal cord injury and endogenous stem cells: a new role for meninges" **University of Milan** , Dept. of Pharmacology, host by Prof. Patrizia Rosa

Decimo I. (11th November 2010) "Adult spinal cord meninges: a new niche for neural stem cell" **New York Neural Stem Cell Institute NY, USA**, host by Prof. Sally Temple

Decimo I. (4th October 2008) "Neuronal trafficking of proteins involved in synaptic plasticity: a GFP-based approach" **Ehlrich II International Congress, Nuremberg, Germany**

Decimo I. (26thJune 2009) "Characterization of the neuronal differentiation potential of the leptomeningeal stem cells" **University of Milan** Dept. of Pharmacology, host by Prof. Nica Borgese

Decimo I. (September 30th 2011) "Immunophenotype of meningeal stem/progenitor cells" Educational on the immnuophenotypical characterization of stem cell populations, Italian Clinical and Experimental Cytometry Association (SICS). **University of Verona**, Italy

Decimo I. (20th May 2009) "Leptomeningeal Stem/Progenitor Cells: characterization and neural differentiation potential" Workshop on "Neurogenesis and neural differentiation of stem cells" **University of Verona**, Italy

SELECTED PEER ACCEPTED PUBLICATIONS

Ciarpella F,..Decimo I. Generation of mouse hippocampal brain organoids from primary embryonic neural stem cells. **STAR Protoc**. 2023 (IF=N/A; Cited by N/A)

Sissi Dolci, Loris Mannino, Emanuela Bottani, Alessandra Campanelli, Marzia Di Chio , Stefania Zorzin, Giulia D'Arrigo, Alessia Amenta, ….Francesco Bifari, **Ilaria Decimo.** Therapeutic induction of energy metabolism reduces neural tissue damage and increases microglia activation in severe spinal cord injury**. Pharmacol Res** 2022 Feb 28;178:106149.
doi: 10.1016/j.phrs.2022.106149. (IF= 7.65; Cited by 6)

The interaction between Environmental Enrichment and fluoxetine in inhibiting sucrose-seeking renewal in mice depend on social living condition. Pintori N, Piva A, Guardiani V, Marzo CM, Decimo I, Chiamulera C. **Psychopharmacology** (Berl). 2022 Mar 30. doi: 10.1007/s00213-022-06124-6. Online ahead of print. PMID: 35353203(IF=3.97; Cited by/)

Nitric Oxide in Selective Cerebral Perfusion Could Enhance Neuroprotection During Aortic Arch Surgery.Linardi D, Mani R, Murari A, Dolci S, Mannino L, **Decimo I**, Tessari M, Martinazzi S, Gottin L, Luciani GB, Faggian G, Rungatscher A. **Front Cardiovasc Med**. 2022 Jan 14;8:772065. doi: 10.3389/fcvm.2021.772065. eCollection 2021. PMID: 35096996 Free PMC article. (IF=4.3; Cited by/)

De Sanctis F, Lamolinara A, Boschi F, Musiu C, …., Bottani E, **Decimo I**, Paiella S, Salvia R, Lawlor RT, Corbo V, Park Y, Tuveson DA, Bassi C, Scarpa A, Iezzi M, Ugel S, Bronte V. Interrupting the nitrosative stress fuels tumor-specific cytotoxic T lymphocytes in pancreatic cancer. **J Immunother Cancer**. 2022 Jan;10. doi: 10.1136/jitc-2021-003549 (IF=13.7; Cited by 9)

Ciarpella F, Zamfir RG , Campanelli A., ……Palazzolo G, Panuccio G , Curia G, **Decimo I.** Murine cerebral organoids develop network of functional neurons and hippocampal brain region identity.***iScience.*** 2021 Dec 17. doi: 10.1016/j.isci.2021.103438 (IF=5.7; Cited by 3)

Zorzin S, Corsi A, Ciarpella F, Bottani E, Dolci S, Malpeli G, Pino A, Amenta A, Fumagalli GF, Chiamulera C, Bifari F, **Decimo I.** Environmental Enrichment Induces Meningeal Niche Remodeling through TrkB-Mediated Signaling. **Int J Mol Sci**. 2021 Oct 1 doi: 10.3390/ijms221910657 (IF= 6.1; Cited by 5)

Decimo I, Dolci S, Panuccio G, Riva M, Fumagalli G, Bifari F. Meninges: A Widespread Niche of Neural Progenitors for the Brain. ***Neuroscientist.*** 2021 Sep 16 doi: 10.1177/1073858420954826. (IF= 6.5; Cited by 11)

Ruocco C, Ragni M, …….Cinti S, **Decimo I,** Condorelli G, Coppari R, Collins S, Valerio A, Nisoli E. Manipulation of Dietary Amino Acids Prevents and Reverses Obesity in Mice Through Multiple Mechanisms That Modulate Energy Homeostasis. ***Diabetes.*** 2020 Nov;69(11):2324-2339. doi: 10.2337/db20-0489. (IF= 7.7; Cited by 16)

Bifari F., Dolci S., Bottani E., Pino A., Di Chio M., Zorzin S., Ragni M., Zamfir R.G., Brunetti D., Bardelli D., Delfino P., Cattaneo M.G., Bordo R., Tedesco L., Rossi F., Bossolasco P., Corbo V., Fumagalli G., Nisoli E., Valerio A., **Decimo I.** Complete neural stem cell (NSC) neuronal differentiation requires a branched chain amino acids-induced persistent metabolic shift towards energy metabolism. ***Pharmacol Res.*** 2020 Aug;158:104863. (IF= 7.65; Cited by 20)

Linardi D., Walpoth B., Mani R., Murari A., Tessari M., Hoxha S., Anderloni M., **Decimo I.,** Dolci S., Nicolato E., Bontempi P., Merigo F., Luciani G.B., Faggian G., Rungatscher A. Slow versus fast rewarming after hypothermic circulatory arrest: effects on neuroinflammation and cerebral oedema. ***Eur J Cardiothorac Surg*** 2020 May 14 (IF=3.5; Cited by 5)

Malpeli G, Innamorati G, **Decimo I,** Bencivenga M, Nwabo Kamdje AH, Perris R, Bassi C. Methylation Dynamics of RASSF1A and Its Impact on Cancer. ***Cancers*** (Basel). 2019 Jul 9;11. (IF=6.0; Cited by 20)

Martano G, Borroni EM, Lopci E, Cattaneo MG, Mattioli M, Bachi A, **Decimo I**, Bifari F. Metabolism of Stem and Progenitor Cells: Proper Methods to Answer Specific Questions. ***Front Mol Neurosci***. 2019 Jun 13;12:151. (IF=3.7; Cited by 15)

Dolci S, Pino A, Berton V, Gonzalez P, Braga A, Fumagalli M, Bonfanti E, Malpeli G, Pari F, Zorzin S, Amoroso C, Moscon D, Rodriguez FJ, Fumagalli G, Bifari F, **Decimo I.** High Yield of Adult Oligodendrocyte Lineage Cells Obtained from Meningeal Biopsy. **Front Pharmacol**. 2017 Oct 12;8:703. (IF= 4,5; Cited by 9) *Last and corresponding author*

Maria Grazia Cattaneo, Claudia Vanetti, Ilaria **Decimo**, Marzia Di Chio, Giuseppe Martano, Giulia Garrone, Francesco Bifari, Lucia Maria Vicentini. "Sex-specific enos activity and function in human endothelial cells". ***Scientific Reports*** 2017 Aug 29;7(1):9612. (IF= 4.8; Cited by 51)

Francesco Bifari; Chiara Ruocco; Ilaria **Decimo**; Guido Fumagalli; Alessandra Valerio; Enzo Nisoli. Amino acid supplements and metabolic health: a potential interplay between intestinal microbiota and systems control. ***Genes & Nutrition*** 2017 Oct 4;12:27. (IF= 2,9; Cited by 26)

Pino A, Fumagalli G, Bifari F, **Decimo I.** New neurons in adult brain: distribution, molecular mechanisms and therapies. ***Biochem Pharmacol.*** 2017 Oct 1;141:4-22. (IF=5; Cited by 48) *Last and corresponding author*

Ahmed N, Linardi D, **Decimo I**, Mehboob R, Gebrie MA, Innamorati G, Luciani GB, Faggian G, Rungatscher A. Characterization and Expression of Sphingosine 1-Phosphate Receptors in Human and Rat Heart. ***Front Pharmacol***. 2017 May 24;8:312. (IF= 4,5; Cited by 23)

Ilaria Decimo*, Francesco Bifari*, Annachiara Pino, Enric Llorens-Bobadilla, Sheng Zhao, Christian Lange, Gabriella Panuccio, Bram Boeckx, Bernard Thienpont, Stefan Vinckier, Sabine

Wyns, Ann Bouché, Diether Lambrechts, Michele Giugliano, Mieke Dewerchin, Ana Martin-Villalba & Peter Carmeliet. Neurogenic radial glia-like cells in meninges migrate and differentiate into functionally integrated neurons in the neonatal cortex. ***Cell Stem Cell***. 2017 Mar 2;20(3):360-373. (IF= 23,3; Cited by 51) *Co-first author. Selected for the cover page.*

Anna Rita Cantelmo, Aleksandra Brajic, Joanna Kalucka, Jermaine Goveia, Ann Bouché, Ivo Cornelissen, Stefan Vinckier, Sandra Schoors, Koen Veys, Kim Kampen, Katrien De Bock, Francesco Bifari, Peter Stapor, **Ilaria Decimo,** Mieke Dewerchin & Peter Carmeliet. Partial reduction of glycolysis by pfkfb3-blockade induces tumor vessel normalization and impairs metastasis. ***Cancer Cell***. 2016 Dec 12;30(6):968-985. (IF= 27,4; Cited by 353)

Quaegebeur A, Segura I, Schmieder R, Verdegem D, **Decimo I**, Bifari F, Dresselaers T, Eelen G, Ghosh D, Davidson SM, Schoors S, ……Dewerchin M, Ghesquière B, Fendt SM, Carmeliet P. Deletion or Inhibition of the Oxygen Sensor PHD1 Protects against Ischemic Stroke via Reprogramming of Neuronal Metabolism. ***Cell Metab.*** 2016 Feb 9;23(2):280-91. (IF= 18,2; Cited by 62)

Christian Lange, Miguel Turrero Garcia, **Ilaria Decimo**, Francesco Bifari, Guy Eelen, Annelies Quaegebeur, Ruben Boon……, Wieland B. Huttner & Peter Carmeliet. Relief of physiological hypoxia by formation of niche blood vessels promotes neural stem cell differentiation during cerebral cortex development. **EMBO J.** 2016 May 2;35(9):924-41. (IF= 9,7; Cited by 119)

Bifari F, Berton V, Pino A, Kusalo M, Malpeli G, Di Chio M, Bersan E, Amato E, Scarpa A, Krampera M, Fumagalli G, **Decimo I**. Meninges harbor cells expressing neural precursor markers during development and adulthood. **Front Cell Neurosci.** 2015 Oct 2;9:383. (IF=4,6; Cited by 39) *Last and Corresponding author*

Schoors S, Cantelmo AR, Georgiadou M, Stapor P, Wang X, Quaegebeur A,Cauwenberghs S, Wong BW, Bifari F, **Decimo I**, Schoonjans L, De Bock K, DewerchinM, Carmeliet P. Incomplete and transitory decrease of glycolysis: a new paradigm for anti-angiogenic therapy? **Cell Cycle**. 2014 Jan 1;13(1):16-22. (IF=3,9; Cited by 41)

De Bock K, Georgiadou M, Schoors S, Kuchnio A, Wong BW, Cantelmo AR,Quaegebeur A, Ghesquière B, Cauwenberghs S, Eelen G, Phng LK, Betz I, TembuyserB, Brepoels K, Welti J, Geudens I, Segura I, Cruys B, Bifari F, **Decimo I**, Blanco R, …….Dewerchin M, Carmeliet P. Role of PFKFB3-driven glycolysis in vessel sprouting.
Cell. 2013 Aug 1;154(3):651-63. (IF= 30,5; Cited by 862)

Di Trapani M, Bassi G, Ricciardi M, Fontana E, Bifari F, Pacelli L, Giacomello L, Pozzobon M, Féron F, De Coppi P, Anversa P, Fumagalli G, **Decimo I**, Menard C,Tarte K, Krampera M. Comparative study of immune regulatory properties of stem cells derived from different tissues. **Stem Cells Dev.** 2013 Nov15;22(22):2990-3002. (IF= 3,6; Cited by 65)

Decimo I., Fumagalli G., Berton V., Krampera M. and Bifari F. Meninges: from protective membrane to stem cell niche. **American Journal of Stem Cells** 2012;1(2):92-105. (IF= 4,3; Cited by 100) *Corresponding author*

Decimo I., Bifari F.,Krampera M.,Fumagalli G. Neural stem cell niches in health and disease. **Current Pharmaceutical Design** 2012;18(13):1755-83. (IF= 4,3; Cited by 68) *Co-Corresponding author*

Decimo I., Bifari F., Rodriguez F. J., Malpeli G., Dolci S., Lavarini V., Pretto S., Vasquez S., Sciancalepore M., Montalbano A., Berton V., Krampera M., Fumagalli G. Nestin- and doublecortin-positive cells reside in adult spinal cord meninges and participate in injury-induced parenchymal reaction. **STEM CELLS** 2011 Dec; 29(12):2062-76. (IF=5,6; Cited by 90) *Corresponding author. Selected for international press release from the Editor in Chief*

Formaggio E, Fazzini F, Dalfini AC, Di Chio M, Cantù C, **Decimo I**, Fiorini Z, Fumagalli G, Chiamulera C. Nicotine increases the expression of neurotrophin receptor tyrosine kinase receptor A in basal forebrain cholinergic neurons. **Neuroscience** 2010 Mar 17;166(2):580-589. (IF=3,27; Cited by 20)

Decimo I, Bifari F, Chiamulera C, Bersan E, Malpeli G, Johansson J, Lisi V, Bonetti B, Fumagalli G, Pizzolo G, Krampera M. Novel stem cell population with neuro-glial differentiation potential residing in the leptomeningeal niche. **Journal of Cellular and Molecular Medicine** 2009 Sep; 13(9B):3195-208. (IF=4,5; Cited by 51)

Decimo I, Roncarati R, Grasso S, Clemens M, Chiamulera C, Fumagalli G. SK3 trafficking in hippocampal cells: the role of different molecular domains. **Bioscience Reports** 2006 Dec;26(6):399-412 . (IF=4,5; Cited by 9) *Corresponding author*

Roncarati R., **Decimo I**:, Fumagalli G. Assembly and trafficking of human small conductance Ca2+ -activated K+ channel SK3 are governed by different molecular domains**" Molecular and Cellular Neuroscience** 2005 Feb;28(2):314-25. (IF=3,73; Cited by 21)

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16)

2 Aprile, 2022

Firma