

## CURRICULUM VITAE

**Stefania Fulle**, Full Professor of Physiology (BIO/09)

### ACADEMIC DEGREE:

Degree in Biological Sciences at University of Perugia-Italy (February 1984)

1985 Attains the qualification to biologist profession

### POST-DEGREE TRAINING:

1988-1991 Fellowship to Neurobiology Institute CNR Roma (Italy)

### VISITING RESEARCHER:

2002 Visiting researcher Unitè CNRS UMR 7000 de la Faculté de Médecine Pitié-Salpêtrière Université Pierre et Marie Curie, Paris (France)

2004 Visiting researcher INSERM U 546 de la Faculté de Médecine Pitié-Salpêtrière Université Pierre et Marie Curie, Paris, (France)

2017 (Jul-Aug) International Space Station Processing Facility, Kennedy Space Center, NASA, Cape Canaveral, Florida (USA), as MyoGravity project PI

2017 (Dec) NASA Johnson Space Center, Houston, Texas (USA), as MyoGravity project PI

### ACADEMIC APPOINTMENTS:

2001-present Professor of Physiology, Degree in Pharmacy, in Chemistry and Pharmaceutical Technology, in Pharmaceutical scientific information University "G. d'Annunzio" Chieti-Pescara (UdA)

2003-06 Professor of Neurophysiology, Course in Physiotherapy, Faculty of Medicine and Surgery, UdA

2004-08/2013-14 Professor of Physiology, School of Medicine, UdA

2007-08 Professor of Physiology, Course in Techniques of Cardiocirculatorial Physiopathology and Cardiovascular Perfusion, Faculty of Medicine and Surgery, UdA

2011-2020 Professor of Complements of Physiology, Degrees in Pharmacy and in Chemistry and Pharmaceutical Technology, UdA

2015-present Professor of Human Physiology in Course of Dental Care (1o cycle degree)

2001-present Teacher of Human Physiology in several Postgraduate Schools: Sports Medicine, Orthopedics, Otolaryngology, Internal Medicine, Cardiovascular Diseases, Geriatrics.

2016-17/2018-19 Professor of Human Physiology in Course of Techniques for the Environment and at the Workplace (first cycle degree)

2019-20 Professor of Neurophysiology in Course of Speech and Language Therapy (1o cycle degree)

Supervisor of over 100 and co-supervisor of more than 100 degree theses.

2002-present Tutor of several PhD students, one of whom for the "Partnership agreement governing the joint supervision and awarding of a double doctorate diploma" between KU Leuven and UdA

2016 – present she was tutor of students for the International Federation of Medical Student Associations (IFMSA) for the projects

(<http://exchange.ifmsa.org/exchange/score/explore/projects>) "Analysis of the project functional alterations induced by microgravity in human satellite cells (SCs)", "Electrostimulation, muscle disuse and oxidative stress as determinants of age dependent changes in regenerative properties of muscle", "Exosomes role in muscle communication" and "Oxidative stress as determinants of age dependent changes in regenerative properties of muscle satellite cells"

#### DEPARTMENTAL AND OTHER RESEARCH SERVICES:

2001-08 Teacher and delegated of PhD Course Coordinator in "Biochemistry, Physiology and Pathology of Muscle", Uda

2004-08 Head of the Ageing Lab subunit of Clinical Physiology Unit of Centre of Excellence for Research on Ageing (CeSI)

2008-11 Head of Muscle Stem Cells subunit of Cellular Physiology Group of Centre of Excellence for Research on Ageing (CeSI)

2007-10 Head of Movement Physiology and Pathology Section of Basic and Applied Medical Science Dept, Uda

2008-11 Teacher and delegated of PhD Course Coordinator "Basic and Applied Medical Sciences", Head of PhD Curriculum in "Physiological Sciences", Uda

2008-12 Head of Cellular Physiology Unit - Group StemTeCh

2010-june 2012 Head of Section "Basic and Applied Medical Science" of Dept Neuroscience and Imaging, Uda

2011-16 Coordinator of PhD Course "Basic and Applied Medical Sciences", Uda

2011-22 Member appointed by the Uda, of the Supervision Committee for the coordination and monitoring of the activities foreseen by the Framework Convention between ASI and Uda (2011-17) and Framework Agreement between ASI and Uda (2017-22)

2012-present Member of Physiology Unit - Group StemTeCh <http://stemcells.unich.it/unita-di-fisiologia/>

2013-16 Teacher of PhD Course in Medical Biotechnologies

2013-present Member of the Executive Committee and Board of the Interuniversity Institute of Myology

2014-16 President of CUG (Comitato Unico di Garanzia), Uda

2014-present Member of Functional Biotechnology Unit of Center for Advanced Studies and Technology (CAST), Uda

2017-present Coordinator of PhD Course "Medical Biotechnologies", Uda

2017-present Head of the Physiology and Physiopathology Section of the Dept of Neuroscience Imaging and Clinical Sciences

2017-present Member of the Board of Dept. of Neuroscience Imaging and Clinical Sciences

2017-present Component of the School of Advanced Studies Council (DR 3040/2017)

2019 – present Member of the Board of School of Medicine and Health Sciences, Uda

#### Principal PRESENT COLLABORATIONS:

M.Flint-Beal, Neurology Research Massachusetts General Hospital, Harvard University Boston (USA); G Sorci, Dept. Medicine and Surgery, Univ. Perugia (Italy); A.Musarò, Dept DAHFMO-Unit of Histology and Medical Embryology, Sapienza University of Rome (Italy); R.Giniatullin, Virtanen Institute for Molecular Sciences, University of Eastern Finland, Kuopio (Finland); M.Sampaolesi, Stem Cell Institute - KU Leuven (Belgium); Donahue HJ, Dept Biomedical Engineering, Virginia Commonwealth University; Catherine Coirault and Sestina Falcone, Sorbonne Université, Centre de Recherche en Myologie, UM76, INSERM U974, Institut de Myologie, Paris (France).

#### AD HOC REVIEWER FOR:

Scientific Journals: Acta Physiologica, Age (JAAA), Aging Cell, Ageing Research Reviews, Antioxidants, Cellular & Molecular Biology Letters, European Journal Applied Physiology, European Journal of Translational Myology, Experimental Cell Research, Experimental Gerontology, FEBS, Free Radical Biology & Medicine, HAM, International Journal of Immunopathology and Pharmacology, IJMS, IOVS, JAAP, Mechanisms of Ageing and Development, Molecular Aspects of

Medicine, Muscle and Nerve, Neurological Research, Nitric Oxide, Oxidative Medicine and Cellular Longevity, PlosOne, SpringerPlus, The International Journal of Developmental Biology, Tissue Engineering and Regenerative Medicine.

Funding Agencies: Research into Ageing (UK) Grants Program, KU Leuven Research Grants; for MIUR: Fellowship University of Piemonte Orientale, PRIN, FIRB.

JOURNAL EDITORIAL BOARD MEMBER:

Antioxidants

Muscle

The Open Stem Cell Journal (TOS CJ)

Guest Editor of Special Issue "Oxidative Stress in Skeletal Muscle" for Antioxidants Journal

Guest Editor of Special Issue "Molecular Bases of Senescence" and of Special Issue "The Frontiers in Aging" for International Journal of Molecular Sciences

MEMBERSHIPS:

Italian Society of Physiology (SIF)

Interuniversity Institute of Myology (IIM)

Società Italiana delle Scienze Motorie e Sportive (SISMES)

Stem Cell Research Italy (SCR Italy)

REPRISE register

College of Full Professors in Physiology

ROLES IN SOCIETIES:

Member of the IIM Board since October 2013 and Treasurer since 2020

Member of the SIF Board since April 2020 and Secretary/Treasurer since October 2020

ASN:

Ranked among the aspiring Commissioners that can be drawn for the ASN procedure (S.C. 05/D1), DD.1531/2016, DD.1052/2018 and DD.251/2021

Appointed with DD.1436/2019, member of the parallel Commission ASN 05/D1

PRIZE:

Prize IIM 2017 - Best poster

PHARMACEUTICALS BEST PAPER AWARD 2015

Top 10 Poster Award Presentation Academy of Osseointegration 2015

SIF 2014 - Best poster Award

PRINCIPAL RESEARCH GRANTS:

Principal Investigator of UdA local research grants (2001-present)

PI of local unit in PRIN 2002 prot. 2002053991\_002 (2002-04), project "Age-related modifications of human skeletal muscle: a biochemical and morphological study on satellite cells"

Leader of Cellular Physiology Section of the project "Early alterations of functional mechanisms in continuous cell lines of nervous origin: role of low frequency magnetic fields" between Environment and Territory Protection Ministry and Cellular Physiology Laboratory, UdA (2002-04)

PI of local unit in PRIN 2007 prot. 2007AWZTHH\_003 (2008-10), project "Electrostimulation, muscle disuse and oxidative stress as determinants of age-dependent changes in regenerative properties of muscle satellite cells"

PI of local unit in PRIN 2010-11 prot. 2010R8JK2X\_007 (2013-16), project "Mechanisms of muscle cell function in health and disease"

PI (national coordinator) of research project "Multidisciplinary approach to the analysis of the functional alterations induced by microgravity in human satellite cells, and study of possible countermeasures" funding from ASI (Call for Human Spaceflight for Research and Technological Demonstration on the International Space Station- 2012, prot. ASI DC-MIC-2012-24, April 17<sup>th</sup> 2012) (2016-19)

Responsible for PON projects 2014-2020 Research and Innovation DOT 1353500 Competitive Calls: 2017 (3 PON projects XXXIII cycle, 2018-21); 2018 (2 PON projects XXXV cycle, 2019-23); 2020 (2 PON and 1 FSC projects XXXVI cycle 2021-24); 2021 (1 PON Innovation and 1 PON Green projects XXXVII cycle 2022-24)

PI of local unit of Progetto PON Ricerca e Innovazione 2014-2020 – Avviso MIUR D.D. n. 1735 del 13-07-2017 - Progetto "EOLO SistEmi di campiOnamento avio-trasportabili per il contrOllO dell'inquinamento" – Acronimo EOLO – Codice ARS01\_01044 (2020-23)

#### MAJOR RESEARCH INTERESTS:

Human skeletal muscle:

- Correlation between Oxidative stress and functional capacity in different physiological and pathological conditions;
- Aging and regenerative capacity

Stem cells

She is author and co-author of No. 100 papers published in international scientific journals, some book chapters and over No. 150 Congress Communications, including over No. 50 in international meetings

She has invited speaker at national and international meetings.

Publications: Scopus ID: 6602495924

WoS ResearcherID: F-3328-2013