Prof. Michelangelo Campanella
Pharm D, PhD, MRPharmS, PGCAP, FHEA, FRSB

CurriculumVitae

PERSONAL

Name: Michelangelo Campanella
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SYNOPSIS

Professor Michelangelo Campanella is internationally recognised as an expert in mitochondrial cell biology and pharmacology. His research focuses on the mechanisms that regulate the quality of mitochondrial function, signalling, and interactions with other organelles. His work has enhanced the current understanding of the bioenergetic and dynamic interplay of mitochondria, for which he has developed pharmacological regulators. A recipient of numerous research awards, he was the first to characterise the physiological processes that govern mitochondrial consumption of ATP (i) and the physical interactions between mitochondria and the nucleus that define stress responses (ii).
His commitment to biomedical research, academic support, and service to scholars earned him the Paul Harris Fellowship from the Rotary Foundation in 2014 and the Talented Young Italian Award in 2015. In the same year, he was named a Fellow of the Royal Society of Biology. In 2018, he received a Consolidator Award from the European Research Council (ERC) in Life Sciences, and in 2022, he was honoured with the Incoming International Leader in Oncology award from the ARC Foundation.

RESEARCH/TEACHING POSITIONS

2023-: **Professor of General and Clinical Pathology**, Department of Biomedical Sciences, University of Padua, IT
2023-: **Professor of Pharmacology** (HEFCE-funded Tenured post), William Harvey Research Institute, Queen Mary University of London, UK
2021-: **Research Programme Director**, Institute Gustave Roussy, FR
2018-2023: **Professor of Pharmacology** (HEFCE-funded Tenured post), Department of Comparative Biomedical Sciences, RVC, University of London, UK
2014-2018: **Reader in Pharmacology** (HEFCE-funded Tenured post), Department of Comparative Biomedical Sciences, RVC, University of London, UK
2014-2023: **Adjunct Professor**, Pharmacy Degree Course, Centre of Pharmaceutical Biotechnology, Department of Biology, University of Rome "Tor Vergata", Italy
2011 -: **Unit Head of the Mitochondrial Cell Biology and Pharmacology (MCP) Research Group** affiliated to the Consortium for Mitochondrial Research (CfMR), University College London, UK
2010-2014: **Research Programme Leader** (Metabolism in Brain Diseases), European Brain Research Institute, Rome, Italy
2008-2014: **Lecturer in Pharmacology** (HEFCE funded Tenured post), Department of Comparative Biomedical Science, RVC, University of London, UK
2005 - 2008: **EMBO/Marie Curie Postdoctoral Research Fellow,** Department of Physiology and Centre for Clinical Pharmacology and Therapeutics, UCL, UK.
2005: **Academia dei Lincei/Royal Society Short Research Fellow**, Department of Physiology and Centre for Clinical Pharmacology and Therapeutics, UCL, UK.

TRAINING AND TITLES

2024-: **Director** of the QMUL Centre for Inflammation and Therapy Innovation (CiTI), UK
2016-2023: **Head of the RVC Oncology Group**, University of London, UK
2016-: Fellow of the Royal Society of Biology (**FRSB**)
2012-: Fellow of the Higher Education Academy (**FHEA**)
2011-: Postgraduate Certificate in Academic Practice in Higher Education (**PGCAP**), KCL, UK
2010-: **Local Ambassador of the Biochemical Society**
2005-: **Member of the Royal Pharmaceutical Society**
2002-2005: **PhD in "Cellular and Molecular Pharmacology"** University of Ferrara, Italy; Advisor: Prof. Rosario Rizzuto, date of award 16th July 2005
2002-: **National Board Pharmacists**
2000: **Project Student**, Columbia University, NY, USA

June-September 1998, 1999: **Intercalated Courses**, School of Pharmacy, UCSB, USA
1996-2001: **Doctor in Pharmacy**, University of Ferrara, Italy, date of award 16th July 2001
1991-1996: **Baccalaureate** in Classical Subjects, Verona, Italy

TEACHING AND ADMINISTRATIVE EXPERIENCE

2023-: Lecturer in General Physiopathology Faculty of Medicine (Unipd);
2011-2023: Leader and Coordinator of the Pharmacology Modules (RVC, UoL);
2008-2023: Lecturer and Tutor (RVC, UoL);
2008-2023: Undergraduate Research Projects Supervision (> 20 RVC, UoL);
UKRI-BBSRC iCase Committee Chair LiDO Programme (June 2015- July 2017);
UKRI-BBSRC Core Member of Award Committee D (January 2014- January 2020);
UKRI-BBSRC Member of the Strategic Longer and Larger grants (October 2019- October 2021);

NUMBER OF PhD STUDENTS SUPERVISED AS ADVISOR: 10

SELECTED LIST OF RESEARCH GRANT AWARDS RECEIVED as PRINCIPAL INVESTIGATOR (Overall Value >€14M)

EDITORIAL BOARDS MEMBERSHIP

British Journal of Pharmacology; Pharmacological Research; Cell Death and Disease; Mitochondrial Communications.

INVITED SEMINARS > 70

INTELLECTUAL PROPERTIES

- **Inventor: Methods of Drug Screening,** U.S. Patent Number 11,118,227, EP Patent Number 16 754 308.1-1118
- **Inventor: Treatment for Inflammatory Diseases,** Application No: 2116071.8

LIST OF RECENT SELECTED PUBLICATIONS (out of 104) Citations >17000, (10 years H-Index=70);

1) **Campanella M,** Kannan B; Mitochondrial sites of contact with the nucleus. ***J Cell Biol*** 3 June 2024; 223 (6): e202305010. doi: https://doi.org/10.1083/jcb.202305010
2) Rigon M, Townley AR and **Campanella M.** Mitochondria ensure immune surveillance by retro-communication with the nucleus. ***Cell Met.*** (2021) doi.org/10.1016/j.cmet.2021.04.013
3) Frison M, Strobbe D, Faccenda D, Rigon M, Abeti R, Cash D, England-Rendon BS, Barnes K, Sadeghian M, Sajic M, Wells LA, Giunti P, Xia D, Smith K, Mortiboys H, Turkheimer F and **Campanella M**. The Translocator Protein (TSPO) is prodromal to mitophagy loss in Neurotoxicity. ***Mol. Psychiatry*** *(2021). doi.org/10.1038/s41380-021-01050-z*
4) Singh A, Faccenda D, **Campanella M.** Pharmacological advances in mitochondrial therapy. ***EBioMedicine.*** *2021 Mar;65:103244. doi: 10.1016/j.ebiom.2021.103244.*
5) Desai R, East DA, Hardy L, Crosby J, Rigon M, Faccenda D, Alvarez MS, Singh A, Mainenti M, Kuhlman-Hussey L, Bentham R, Szabadkai G, Zappulli V, Dhoot G, Romano L, Xia D, Hamechar-Brady A, Chapple P, Fleck R, Vizcay-Barrena G, Smith K and **Campanella M**. Mitochondria form contact sites with the nucleus to couple prosurvival retrograde response. ***Sci Adv*** *2020 Dec 18;6(51):eabc9955. doi: 10.1126/sciadv.abc9955.*