
CURRICULUM VITAE

Dr. Manlio Vinciguerra, PhD

Work Address

Center for Translational Medicine
International Clinical Research Center (FNUSA-ICRC)
Pekarska 53, 656 91, Brno, Czech Republic

Present Positions

Principal Investigator Center for Translational Medicine (CTM), International Clinical Research Center (FNUSA-ICRC), Brno, **Czech Republic**

Assistant Professor Faculty of Medicine, Masaryk University, Brno, **Czech Republic**

Education/Training

1994-1999 B.Sc. in Molecular Biology, University of Catania, Catania, **Italy**.
2000-2001 M.Sc. in Medical Biology, University of Geneva, Geneva, **Switzerland**
2001-2004 Ph.D., Dept of Internal Medicine, University of Geneva, Geneva, **Switzerland**

Positions and Honors

Positions and Employment

2005-2008 Postdoctoral fellow, Dept of Cell Physiology and Metabolism, University of Geneva, Geneva, **Switzerland**
2008-2011 Postdoctoral fellow, European Molecular Biology Laboratory (EMBL), Heidelberg, **Germany**
2011-2016 Group Leader, Institute of Hepatology/King's College; Institute for Liver and Digestive Health, University College London (UCL), London, **United Kingdom**
2017-present Assistant Professor, Faculty of Medicine, Masaryk University, Brno, **Czech Republic**
2016-present Principal Investigator, International Clinical Research Center (FNUSA-ICRC), Brno, **Czech Republic**

Other Experience and Professional Memberships

2014-2019 Visiting Scientist, Tallinn Technological University, Tallinn, **Estonia**
2017-present Honorary Senior Research Fellow, Institute for Liver and Digestive Health, University College London (UCL), London, **United Kingdom**
2020-present Visiting Professor, University of Catania, **Italy**
2017-2019 Visiting Scientist, Department of Preventative Cardiology, Mayo Clinic, Rochester, Minnesota, **United States**

Cancer Epigenetics Society (CES), International Cell Senescence Association (ICSA), European Association for the Study of the Liver (EASL), American Society of Cell Biology (ASCB).

ADVISORY - PRIVATE SECTOR

- Scientific Advisory Board, GENEFLOW BIOSCIENCES: <http://genflowbio.com/>
- "Screening diagnostic kit for detecting histones in extracellular histone complexes". Manlio Vinciguerra, Diana Buzova, Jan Cerveny. Utility model, IPO CZ. No. PUV 2019-37001, CZ 33913 U1.
- P4LifeTech, R&D services, CSO - 2014-2017.

Honors & Fellowships

1998 Socrates fellowship (European Union)
2006 EASL Young Investigator Travel Bursary
2008 EMBL Interdisciplinary POst-Doctoral (EIPOD) fellowship
2011 French Foundation for Medical Research (FRM) fellowship
2014-2016 UCL - Santander (Brazil) Travel Grant
2016 South Moravian Program for Distinguished Researchers (SoMoPro)

ABILITAZIONE SCIENTIFICA NAZIONALE (ASN)

Vinciguerra, Manlio

In corso di validita'

Professore Associato

- | | |
|--|--------|
| 1. Biochimica | BIO/10 |
| 2. Biochimica Clinica e Biologia Molecolare Clinica | BIO/12 |
| 3. Biologia Applicata | BIO/13 |
| 4. Fisiologia | BIO/09 |
| 5. Biologia Molecolare | BIO/11 |
| 6. Malattie Cutanee, Malattie Infettive e Malattie dell'Apparato Digerente | MED/12 |

Professore Ordinario

- | | |
|------------------------|--------|
| 1. Biologia Molecolare | BIO/11 |
| 2. Biologia Applicata | BIO/13 |

Peer-reviewed publications (from 2003 to 2020) = 172, H-index = 43, 6532 citations (Google Scholar 14/10/2020)

PhD Thesis

“Mechanisms of control of Na,K-ATPase expression by intracellular Na⁺ in kidney collecting duct principal cells.” Published in 2004, University of Geneva, Switzerland.

Book Edited

Molecular Nutrition: Mother and Infant 1st Edition

by **Manlio Vinciguerra** (Editor), Paul Cordero Sanchez (Editor)

Paperback: 768 pages

Publisher: Academic Press; 1 edition (August 15, 2019)

Language: English

ISBN-10: 0128138629

ISBN-13: 978-0128138625

Book Chapters

1. **Vinciguerra Manlio**, Musaro Antonio, Rosenthal Nadia (2010): “Regulation of muscle atrophy in muscle ageing and disease: the IGF-1 system”, in Protein Metabolism and Homeostasis in Aging. Edited by Nektarios Tavernarakis, Landes Bioscience, Austin, Texas, USA.
2. **Vinciguerra Manlio**, Lionetti Vincenzo, Ventura Carlo, Rosenthal Nadia (2012): “Cardiac versus non-cardiac stem cells to repair the heart: the role of autocrine/paracrine signals”, in Advances in Stem Cell Research, Stem Cell Biology and Regenerative Medicine, 2012, 367-382. Edited by Hossein Baharvand, Humana Press – Springer.
3. Feraille, E, Mordasini, D, Gonin, S, Deschenes, G, **Vinciguerra, M**, Doucet, A, Vandewalle, A, Summa, V, Verrey, F, Martin, P.Y (2002). Conference: 10th International Conference on Na,K-ATPase and Related Cation Pumps. Location: ELSINORE, DENMARK Date: AUG 08-14, 2002. Source: NA,K-ATPASE AND RELATED CATION PUMPS: STRUCTURE, FUNCTION, AND REGULATORY MECHANISMS Book Series: ANNALS OF THE NEW YORK ACADEMY OF SCIENCES Published: 2003
4. Simone Jueliger, Pietro Taverna, Oriana Lo Re, **Manlio Vinciguerra**. DNA demethylating senescence inducing drug to treat solid tumours. Handbook in Immunosenescence. Editors: Tamas Fulop, Claudio Franceschi, Katsuike Hirokawa, Graham Pawelec. Edited by Springer.2017
5. **Manlio Vinciguerra**. Sarcopenia and Parkinson's disease: molecular mechanisms and clinical management. In: Sarcopenia: Molecular, Cellular, and Nutritional Aspects. Editor: Dominique Meynial-Denis. Edited by CRC Press, Taylor & Francis Group. 2019
6. Paul Cordero Sanchez, **Manlio Vinciguerra**, Jude A. Oben. Perinatal Nutrition. In: Principles of Nutrigenetics and Nutrigenomics, 1st Edition, Fundamentals of Individualized Nutrition. Editor: Raffaele De Caterina, J. Alfredo Martinez, Martin Kohlmeier. Edited by Elsevier. 2019

A. Research Support

Ongoing Research Support

CZ.02.1.01/0.0/0.0/15_003/0000492	Vinciguerra (PI)	11/16 – 10/22
European Social Fund and European Regional Development Fund <i>Unveiling the Molecular Determinants of Aging to Design New Therapeutics</i> Direct 6.5M euros. Role: PI		
CZ.02.1.01/0.0/0.0/16_019/0000868	Vinciguerra (co-PI)	11/17 – 10/23
European Social Fund and European Regional Development Fund <i>A Molecular, Cell and Clinical Approach to Healthy Aging</i> Direct 400K euros. Role: co-PI		
NV18-03-00058	Vinciguerra (PI)	12/18 – 12/21
Ministry of Health of the Czech Republic <i>Epigenetic mechanisms behind the development of liver cancer</i> Direct 349K euros. Role: PI		

Completed Research Support (selected)

2012 – 2012	Foundation for Liver Research £60 K PI
2013 – 2015	UCL seed fund £30 K PI
2013 – 2015	AIRC €240 K PI
2013 – 2015	Italian Ministry of Health (Young Researcher Program €329 K co-PI)
2013	Italian Ministry of Health (Grant Research Program) €15 K co-PI
2015	Rottapharm Madaus (Pharma, Italy) €20 K PI
2015	E3Bio (Pharma, UK) £10 K PI
2015	Astex Pharmaceuticals (Pharma, US) £13 K PI
2015	NTU Quality Research funds £30 K PI
2015	NTU Strategic Investment Funds (Epigenetics) £110 K PI
2016	SoMoPro (EU/Czech Republic) €200 K PI (declined)
2017-2019	H2020 European Human Biomonitoring Initiative (HBM4EU), €115K co-PI
2017 – 2018	H2020-EU.4.a. - Teaming of excellent research institutions and low performing RDI regions CETOCOEN Excellence Project ID: 763677, €32.4K co-PI

Editorial activity

Freelancer Editing Services - CACTUS Communications
Editorial Board, Journal of Lipid and Atherosclerosis (JLA)
Review Editor, Elife
Editorial Board, Antioxidant & Redox Signaling (ARS)
Editorial Board, Open Medicine
Editorial Board, GeroScience
Editorial Board, Cancers
Academic Editor, PLoS ONE
Associate Editor, BMC Gastroenterology

Ad Hoc Reviewer

>450 papers for >80 Journals including *Aging Cell*; *Am J Clin Nutr*; *Antiox Redox Signal*; *Biomaterials*; *Cancer Res*; *Cell Death & Dis*; *Cell Gastroenterol & Hepatol*; *Cell Metab*; *Circ Res*; *EBioMedicine*; *eLife*; *FASEB J*; *Gut*; *Hepatology*; *J Hepatol*; *PNAS*; *Sci Rep*; *Stem Cells*; *Theranostics*; *Trends Endocrinol Metab*.
Associate Faculty Member (AFM), Physiogenomics, Faculty of 1000 (www.F1000.com).

Participation in Grant Review Panels

Vinciguerra, Manlio

2013 – 2016	Ad hoc reviewer - Medical Research Council (MRC) - United Kingdom
2013 – 2016	Ad hoc reviewer - BBSRC - United Kingdom
2013 – 2016	Ad hoc reviewer - Wellcome Trust - United Kingdom
2015	Ad hoc reviewer - Human Frontiers Science Program (HFSP), EU member states
2016	Ad hoc reviewer - Wellington Medical Research Foundation (WMRF), New Zealand
2017	Ad hoc reviewer - Canadian Institutes of Health Research, Institute of Genetics
2017	Ad hoc reviewer - Fonds de la Recherche en Santé du Québec (FRSQ), Canada
2017	Ad hoc reviewer - Federal Ministry of Education and Research (BMBF), Germany
2017	Ad hoc reviewer - Institute of Health Carlos III (ISCIII), Spain
2017	Ad hoc reviewer - Hungarian Scientific Research Fund (OTKA), Hungary
2017	Ad hoc reviewer - Research Grants Council, Hong Kong, China
2017	Ad hoc reviewer - NC3Rs, United Kingdom
2017	Ad hoc reviewer - World Cancer Research Fund International (WCRF), United Kingdom
2017	Ad hoc reviewer - Netherlands Organisation for Scientific Research (NWO), Netherlands
2018	Ad hoc reviewer - ERASysAPP - ERA-Net for Systems Biology Applications
2018	Ad hoc reviewer - WHRI-ACADEMY (COFUND Marie Curie), United Kingdom
2018	Ad hoc reviewer - Israel Science Foundation (ISF) - Israel
2015 - present	Ad hoc reviewer - The French National Research Agency (ANR), France
2016 - present	Ad hoc reviewer - European Commission (Horizon 2020)
2017 - present	Ad hoc reviewer - European Cooperation in Science and Technology (COST)
2017 - present	Ad hoc reviewer - Austrian Science Fund (FWF), Austria
2018 - present	Ad hoc reviewer - European Research Council (ERC)
2019 - present	Ad hoc reviewer - Science Fund of the Republic of Serbia – Serbia
2020 - present	Ad hoc reviewer - Strasbourg Institute for Advanced Study
2020 - present	Ad hoc reviewer – National Science Center, Poland

Invited Lectures

@ Conferences

33 in Italy (6), France (5), Holland (2), UK (2), Austria (2), Germany (3), Spain (1), Croatia (1), Taiwan (1), Switzerland (1), Mexico (1), Taiwan (1), Thailand (1), Czech Republic (3), USA (1), South Korea (1) and Brazil (1).

Examples:

- *International Conference on Lipid and Atherosclerosis (ICoLA) (Seoul, 2019)*
- *Keystone Symposia on Longevity (Hannover, 2018)*
- *EMBO Symposium on Histone Variants (Munich, 2017)*
- *Systems Medicine of Circadian Functions in Liver and Aging, EISBM (Lyon, 2014)*
- *International Association of Gerontology and Geriatrics (Seoul 2013, Chiang-Mai 2015, Taiwan 2019)*
- *European Association for the Study of the Liver (EASL, Vienna 2006, Amsterdam 2013)*
- *United European Gastroenterology Week (UEGW, Vienna, 2012)*

@ Universities/Research Institutions/Companies/Public events

73 Invited Lectures in Italy (20), UK (13), France (7), Spain (4), Switzerland (4), Estonia (3), Holland (3), Brazil (3), Germany (2), USA (3), Czech Republic (4), Georgia (2), Slovenia (1), Japan (1), Argentina (1), India (1) and Singapore (1).

Teaching and Mentoring Record

Advising of undergraduates, graduate student, and postdoctoral fellows.

Current

Oriana Lo Re (Italy) PhD student 2016 - ICRC
Sebastiano Giallongo (Italy) PhD student 2018 - ICRC
Jan Frohlich, Ph.D (Czech Republic) Postdoctoral researcher 2018 - ICRC
Romana Vlickova (Czech Republic) technician 2018 - ICRC
Sabina Gomelska (Czech Republic) technician 2018 - ICRC
Jana Bartonova (Czech Republic) Technician 2016 - ICRC

Past

13 technicians, 15 MSc students, 9 post-docs, 5 PhD students, 5 MDs

External Examiner of PhD students (VIVA)

Daniele Balasus (2014) University of Palermo, Italy

Andrew Holmes (2015) University of Liverpool, UK
Riccardo Ferro (2015) Queen Mary University, London, UK
Daniela Gnani (2015) University of Rome Tor Vergata, Italy
Sarah Idri (2016) Nottingham Trent University (UK)/University of Tübingen (Germany),
Maitane Núñez García (2016) University of Basque Country, Bilbao, Spain
Urmo Vosa (2016) University of Tartu, Tartu, Estonia
Andrea Maugeri (2016) University of Catania, Catania, Italy
Maira Di Tano (2018) IFOM Istituto FIRC di Oncologia Molecolare, Milan, Italy
David William Mac Gillavry (2018) University of Defence, Brno, Czech Republic
Simona Hankeova (2019) Karolinska Institute, Stockholm, Sweden

Duties and Teaching

2018 - present	member of Board of the PhD program, Medical Biology, Faculty of Medicine, Masaryk University, Brno, Czech Republic
2017 - present	member of Kardiovize Brno 2030 Governing Board, ICRC, Brno, Czech Republic
2017 – present	Assistant Professor, Faculty of Medicine, Masaryk University, Brno, Czech Republic
2015 - 2016	part time Reader, School of Science and Technology, Nottingham Trent University, Nottingham, UK
2015 - 2020	Leader of Epigenetics of Nutrition MSc module, University of Catania, Italy.
2015 - 2016	Leader of Scientific Analysis, Review and Presentation (eSARP) module, Nottingham Trent University, UK.
2014 - 2015	Lecturer of Epigenetics at the Applied Medical Sciences MSc, UCL, UK.
2013 - 2015	Personal Tutorship for UCL-Division of Medicine MSc courses: Clinical Drug Development, Clinical Public Health Nutrition, UCL, UK.
2013 - 2016	UCL-Biomedical Research Centre (BRC) Infection, Immunity and Inflammation Programme Faculty Member, London, UCL, UK.
2009 - 2011	Representative of Post-doctoral Association for EMBL.
2006 - 2008	Practical course of Histology to medical students at their 1st year and 2nd year. Problem solving-based learning course (PBL) on Cell Growth and Aging to medical students at their 2nd year. Faculty of Medicine, University of Geneva, Geneva, Switzerland.