

**EUROPEAN  
CURRICULUM VITAE  
FORMAT**



**PERSONAL INFORMATION**

Name **LACQUANITI FRANCESCO**

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Nationality Italian

Date of Birth 24/12/1952

Gender M

**WORK EXPERIENCE**

- Dates (from - to) Full Professor of Physiology, Medical Faculty, University of Roma Tor Vergata (1997-present)  
Director of the Center for Space Bio-Medicine, University of Roma Tor Vergata (1999-2021)  
Member of the Medical Faculty Board, University of Roma Tor Vergata, 2013-present  
Member of PhD Committee in Neurosciences, 2007-present  
Director of the Laboratory of Neuromotor Physiology, Scientific Institute Santa Lucia Foundation, Rome (1994-present)  
Director of LENA (European Laboratory for the Neurosciences of Action), French C.N.R.S. (2000-03)  
Chair de Professeur invité, Collège de France, Paris (2000)  
Full Professor of Physiology, Chairman of the Institute of Human Physiology, University of Cagliari (1994-97)  
Director of School of Specialization in Sport Medicine, University of Cagliari (1994-97)  
Director of School of Specialization in Nutritional Sciences, Medical Faculty, University of Cagliari (1994-97)  
Visiting Professor, Department of Physiology, Medical Faculty, University of Minnesota, Minneapolis, U.S.A. (1985-86)  
Acting Chairman, Institute of Physiology of Neural Centres, C.N.R., Milan (1984-90)  
Staff Scientist, Institute of Physiology of Neural Centres, C.N.R., Milan (1983-94)  
Visiting fellow, LPPA, CNRS, Paris, France (1982)  
Research Fellow, Department of Physiology, Medical Faculty, University of Minnesota, Minneapolis, U.S.A. (1979-84)

## EDUCATION AND TRAINING

- Dates (from - to) Postgraduate courses in Neuroscience, Physics, Mathematics, Computer Sciences, University of Minneapolis (1979-81)  
Specialization in Neurology, summa cum laude, Medical Faculty, University of Turin (1980)  
Resident in Neurology, First Neurological Clinic, University of Turin, 1977-79  
Degree in Medicine and Surgery, summa cum laude, School of Medicine University of Turin (1976)  
Professional Qualification in Medicine – Italian medical registration (1977)

## PERSONAL SKILLS AND COMPETENCES

MOTHER LANGUAGE **ITALIAN**

OTHERS

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

**ENGLISH, FRENCH**

C1

C1

C1

SOCIAL SKILLS  
AND COMPETENCES

GOOD SOCIAL SKILLS

ORGANISATIONAL SKILLS  
AND COMPETENCES

Good organizational skills and competences acquired during the direction of:  
CNR Institute, Institute of Physiology and 2 Schools of Specializations at Cagliari University,  
Center of Space Biomedicine at Tor Vergata University, Laboratory of Neuromotor Physiology at  
IRCCS Santa Lucia Foundation

TECHNICAL SKILLS  
AND COMPETENCES  
*With computers, specific kinds of  
equipment, machinery, etc.*

Fortran 77 programming acquired at Minneapolis University, Neurophysiological and  
Biomechanical Laboratory Setups acquired at Minneapolis University and CNR Institute Milan,  
PET and fMRI analyses

ARTISTIC SKILLS  
AND COMPETENCES

Writing skills

DRIVING LICENCE(S)

Car and Motorcycle Licences

## **AWARDS AND HONORS**

Appointed Member of the Neurosciences Topical Team of European Space Agency (1996-99)  
Appointed Member of Life Sciences Working Group of Italian Space Agency (1997-99)  
Appointed Member of FENS (Federation of European Neuroscience Societies) School Committee (2002-05)  
Appointed Member of HFSP (Human Frontier Science Programme) Review Committee (2003-04)  
Elected member of SINS (Italian Society of Neurosciences) Executive Committee (2004-07)  
Appointed Member of Board of Directors of the Italian Institute of Cognitive Neurosciences, 2005-2015  
Appointed Member of HFSP (Human Frontier Science Programme) Scientific Committee (2006-10)  
Appointed Member of ESRIN Committee, since 2006  
Appointed Member of the Advisory Board of the Werner Reichardt Excellence Centre for Integrative Neuroscience (CIN), Tubingen (Germany) (2008-present)  
Appointed Member of the Academia Europaea (The Academy of Europe), since 2012  
Elected Member of the Committee of Italian Physiology Professors (2012-15)  
Elected Member of the National University Council (2015-2019)  
Appointed Member of Research Committee, University of Rome Tor Vergata (2018-2020)  
Herlitzka International Prize for Physiology from Academy of Sciences, Turin (2015)  
Doctor Honoris Causa in Neurosciences, Catholic University of Louvain (Belgium) (9-10 march 2020)  
Elected President of the Italian Physiological Society (2023-2026)

## **EDITORIAL BOARDS**

Experimental Brain Research (1993-2000 board member, 2000-present Section Editor)  
Frontiers in Exercise Physiology (2010-present)  
Pflügers Archiv/European Journal of Physiology (1995-2006)  
Journal of Motor Behavior (1994-2004)

## ADVISORY ROLES

### ***NOMINATOR FOR:***

The Nobel Prize in Physiology or Medicine (since 2013), invited by the Nobel Committee for Physiology or Medicine, Karolinska Institutet (Sweden).

MacArthur Fellows Program.

HFSP Nakasone Award.

Academia Europaea Membership

ERC Scientific Council

Novo Nordisk Prize.

“Lombardy is research” Prize.

### ***PROFESSORSHIP SELECTION ADVISOR FOR:***

Harvard University (Cambridge, MA), Emory University (Atlanta, GA), Arizona State University (Tempe, AZ), University of Minnesota (Minneapolis, MN), Tel-Aviv University (Israel), Imperial College London (UK), Institut Universitaire de France (Paris, France), EPFL École Polytechnique Fédérale de Lausanne, Ikerbasque (Bilbao), Hertie Foundation Professorship (Germany), Serra Hünter Programme (Catalunya, Spain), Université Paris Descartes, Ghent University (Belgium)

### ***GRANT REVIEWER FOR:***

European Science Foundation (ESF), European Research Council (ERC) Advanced Grants, ERC Consolidator Grants, ERC Starting Grants, Horizon H2020 Grants, Agence d'évaluation de la recherche et de l'enseignement supérieur (AÉRES, France), Ministero dell'Istruzione dell'Università e della Ricerca (MIUR, Italy), Levi-Montalcini Program, Human Frontier Science Program (HFSP), International Brain Research Organization (IBRO), North Atlantic Treaty Organization (NATO), National Science Foundation (USA), Natural Sciences and Engineering Research Council of Canada, Fonds national suisse de la Recherche scientifique, The Wellcome Trust, Medical Research Council UK, Biotechnology and Biological Sciences Research Council (BBSRC), Ministère de la Recherche Programme Neurosciences Intégratives et Computationnelles et Cogniscentes (French National Programs), Agence Nationale de la Recherche (France), French National Research Programme on Neurological and Psychiatric Disease, Fondation Motrice (Paris, France), NOW (Netherlands Organization for Scientific Research), Austrian Academy of Sciences, TeleThon, Free University of Brussels (ULB), KU Leuven grants, Research Grants Council Hong Kong (China), Excellence Initiative for the Site Bourgogne Franche-Comté, Czech Science Foundation, École polytechnique fédérale de Lausanne, Institut d'études avancées de Paris, Università di Modena e Reggio Emilia, Università di Parma, Università di Verona, Università del Foro Italico Roma

### ***JOURNAL REVIEWER FOR:***

Nature, Nature Communications, Nature Methods, Nature Machine Intelligence, Science, Science Translational Medicine, Science Advances, Plos Biology, PNAS, Proceedings Royal Society, Plos Computational Biology, Current Biology, iScience, Scientific Reports, Plos ONE, Heliyon, Journal of Neuroscience, Brain, Journal of Physiology (London), Journal of Neurophysiology, Neuroscience, European Journal of Neuroscience, Behavioral and Brain Sciences, News Physiological Sciences, Brain Research, Neuroreport, Neuroscience Letters, Cerebral Cortex, Cognitive Brain Research, International Journal of Neural Systems, Cortex, Cognitive, Affective, and Behavioral Neuroscience, Neuroimage, Neuropsychologia, iPerception, Vision Research, Journal of Vision, Visual Cognition, EEG Journal, Journal of Experimental Biology, Current Pharmaceutical Design, Cellular and Molecular Bioengineering, European Journal of Applied Physiology, Gait & Posture, Human Movement Science, Peer J, Frontiers, Journal of Motor Behavior, Neurorehabilitation & Neural Repair, Journal of Biomechanics, Journal of Neural Engineering, Neural Computation, Journal of Royal Society Interface, Journal of Vestibular Research, Journal of Experimental Psychology Human Perception Performance, American Journal of Psychology, Quarterly Journal Experimental Psychology, Perception, Cognitive Affective and Behavioral Neuroscience, International Journal of Psychology, Robotics and Autonomous Systems, Biomed Research International, Symmetry, Italian Journal of Neurological Sciences, Functional Neurology, IEEE Biomedical Eng. Transactions, IEEE Access, Oxford University Press, MIT Press

## RELEVANT GRANTS

(starting yr, role, funding agency, title, budget of the unit)

2023, PI, BRIC INAIL LABORIOUS 100K  
2022, PI, NRRP PE0000006 MNESYS 894K  
2020, PI, PRIN EM9A8X\_003 INACTIVAGE 176K  
2020, PI, ITALIAN HEALTH MINISTRY RF.18.85L 450K  
2019, PI, EU HORIZON2020 PEPATO NO779963 50K  
2019, PI, ASI MARS-PRE 80K  
2019, PI, BRIC INAIL BRISK 60K  
2017, PI, PRIN CBF8NJ\_005 NEUAGE119K  
2017, PI, BRIC INAIL ONE 40K  
2015, PI, EU HORIZON COGIMON NO 644727 827K  
2015, PI, PRIN HFWRY\_002 MODULIMB 49K  
2014, ASI COREA 336K  
2011, ASI CRUSOE 400K  
2010, PI, EU AMARSI FP7-ICT 528K  
2010, Co-I, EU MINDWALKER FP7-ICT 405K  
2010, PI, PRIN MEFNF7\_002 195K  
2006, ASI I/006/06/0 7.2M

## RELEVANT PUBLICATIONS

Dewolf AH, Sylos-Labini F, Cappellini G, Zhvansky D, Willems PA, Ivanenko Y, Lacquaniti F. (2021) **Front Hum Neurosci**. Oct 21;15:749366

Dewolf AH, Sylos-Labini F, Cappellini G, Ivanenko Y, Lacquaniti F. (2021) **PLoS One**. Feb 17;16(2):e0246372

Del Vecchio A, Sylos-Labini F, Mondì V, Paolillo P, Ivanenko Y, Lacquaniti F, Farina D. (2020) **Science Adv**. Nov 20;6(47):eabc3916.

Sylos-Labini F, La Scaleia V, Cappellini G, Fabiano A, Picone S, Keshishian ES, Zhvansky DS, Paolillo P, Solopova IA, d'Avella A, Ivanenko Y, Lacquaniti F (2020) **Proc Natl Acad Sci U S A**. Apr 13. doi: 10.1073/pnas.1920984117

Lacquaniti F, Ivanenko YP, Zago M (2012) **J Physiol (London)** 590:2189-99.

Lacquaniti F, Ivanenko YP, Zago M (2012) **Curr Op Neurobiol** 22(5):822-8.

Dominici N, Ivanenko YP, Cappellini G, d'Avella A, Mondì V, Cicchese M, Fabiano A, Silei T, Di Paolo A, Giannini C, Poppele RE, Lacquaniti F. (2011) **Science** 334:997-9.

Indovina I., Maffei V., Bosco G., Zago M., Macaluso E., and Lacquaniti F. (2005) **Science** 308:416-9.

McIntyre, J., Zago, M., Berthoz, A., Lacquaniti, F. (2001) **Nature Neurosci**. 4: 693-694.

## BIBLIOMETRIC DATA

### Scopus Author (14/6/2023):

Documents by author 309. Citations 17,387 by 9208 documents. h-index: 72.  
Included in the Stanford University list of top 2% scientists worldwide for the year 2019, 2020, 2021 (most recent issue).

*According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this*

