

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name	SORCI GUGLIELMO	
Telephone	+39 075 5858258	
E-mail	guglielmo.sorci@unipg.it	
ORCID iD	0000-0002-1973-9679	Web site www.myolab-unipg.com
Nationality	Italy	
Date of Birth	30/03/1965	

WORK EXPERIENCE

He is co-author of 72 papers *in extenso* published in international scientific journals (total IF, 341.80; average IF, 5.51; Scopus H index, 34; more than 4,800 citations), and more than 200 congress communications (also as an Invited speaker).

- Dates (from - to) 10.02.2020-present
- Name and address of the employer University of Perugia (UniPG), Piazza Università 1, 06100 Perugia, Italy
- Type of business or sector Academic
- Occupation or position held Full Professor of Human Anatomy- SSD BIO/16 – Dept Medicine and Surgery
- Main activities and responsibilities Teacher of Human Anatomy at Medicine and Surgery degree course and Postgraduate Specialization Schools of UniPG. Leader of MyoLab team (www.myolab-unipg.com).
- Dates (from - to) 01.11.2018-present
- Name and address of the employer University of Perugia, Piazza Università 1, 06100 Perugia, Italy
- Type of business or sector Academic
- Occupation or position held Scientific Coordinator Sect. Human Anatomy, Dept Medicine and Surgery
- Dates (from - to) 22.10.2022-present
- Name and address of the employer Interuniversity Institute of Myology (IIM), P.le Lucio Severi 1, Perugia, Italy (www.iim-myology.it)
- Type of business or sector Scientific association
- Occupation or position held Director
- Dates (from - to) 02.10.2020-22.10.2022
- Name and address of the employer Interuniversity Institute of Myology (IIM), P.le Lucio Severi 1, Perugia, Italy
- Type of business or sector Scientific association
- Occupation or position held Deputy Director
- Dates (from - to) 2018-2019
- Name and address of the employer University of Perugia, Piazza Università 1, 06100 Perugia, Italy
- Type of business or sector Academic
- Occupation or position held Coordinator of 1st level Master in “Professional in Physical Activity for Prevention, Recovery and Health Optimization”
- Dates (from - to) 2019-present
- Type of business or sector Research centers/Scientific associations

- Occupation or position held Member of the following research Centers:
2025- : C.U.R.I.A.Mo. (Centro Universitario di Ricerca Interdipartimentale sull'Attività Motoria) UniPG (<https://curiamo.unipg.it>) (Council member)
2019- : CIRTEMER (Centro Biotecnologico Internazionale di Ricerca Traslazionale ad indirizzo Endocrino, Metabolico ed Embrio-Riproduttivo) UniPG (Scientific Committee)
2019- : Accademia Anatomico-Chirurgica of Perugia (Secretary)
2018- : CURGeF (Centro Universitario di Ricerca sulla Genomica Funzionale) UniPG (Scientific Committee)
2018- : CIB (Consorzio Interuniversitario Biotecnologie) (Responsible of Operative Unit)
2010- : IIM (Interuniversity Institute of Myology)
- Dates (from - to) 31.12.2010-09.02.2020
- Name and address of the employer University of Perugia, Piazza Università 1, 06100 Perugia, Italy
- Type of business or sector Academic
- Occupation or position held Associate Professor of Human Anatomy- SSD BIO/16 – Faculty of Medicine and Surgery/Dept Experimental Medicine
- Dates (from - to) 18.11.2002-30.12.2010
- Name and address of the employer University of Perugia, Piazza Università 1, 06100 Perugia, Italy
- Type of business or sector Academic
- Occupation or position held Researcher in Human Anatomy- SSD BIO/16 – Faculty of Medicine and Surgery
- Dates (from - to) 1991-2002
- Name and address of the employer University of Perugia, Piazza Università 1, 06100 Perugia, Italy
- Type of business or sector Academic
- Occupation or position held Graduated Technician at Sect. Human Anatomy– Dept Experimental Medicine
- Dates (from - to) 2023-2025
- Name and address of the employer Italian Ministry of Universities and Research
- Type of business or sector Research
- Occupation or position held **Responsible of Research Unit** in PRIN2022 project “Definition of a validated food supplement from controlled cultivation of Mediterranean plants as a natural poly pill to counteract osteosarcopenia in elderly (PhytoMuscleBone)” (2022B8KE33); 2 years
- Dates (from - to) 2023-2025
- Name and address of the employer Duchenne Parent Project - The Netherlands
- Type of business or sector Patient Association
- Occupation or position held **PI** in the project “Accelerating the use of microencapsulated Sertoli cells to treat DMD patients” (#22.013); 2 years
- Dates (from - to) 2021-2026
- Name and address of the employer AIRC (Associazione Italiana per la Ricerca sul Cancro)
- Type of business or sector Foundation
- Occupation or position held **PI** in the project “Preclinical targeting of RAGE (receptor for advanced glycation end-products) to counteract cancer cachexia” (#24762); 5 years
- Dates (from - to) 2021-2022
- Name and address of the employer Ministry of University and Research (MUR)
- Type of business or sector Research
- Occupation or position held **Responsible of U.O.** CIB (Consorzio Interuniversitario per le Biotecnologie) in the project “Innovation of Biotechnology in the COVID era. Identification of new prognostic biomarkers for COVID-19”. 1 year
- Dates (from - to) 2019-2021

- Name and address of the employer
 - Type of business or sector
Fondazione Cassa di Risparmio di Perugia
 - Occupation or position held
Foundation
- Dates (from - to)
01.11.2018-2019
- Name and address of the employer
 - Type of business or sector
AIRC (Associazione Italiana per la Ricerca sul Cancro)
 - Occupation or position held
Foundation
- Dates (from - to)
01.03.2017-2019
- Name and address of the employer
 - Type of business or sector
Parent Project Onlus, Italy
 - Occupation or position held
No-profit Association
- Dates (from - to)
29.07.2017-17.08.2017
- Name and address of the employer
 - Type of business or sector
NASA, Kennedy Space Center, Cape Canaveral (FL, USA)
 - Occupation or position held
Governative space agency
- Dates (from - to)
2016-2019
- Name and address of the employer
 - Type of business or sector
ASI (Agenzia Spaziale Italiana).
 - Occupation or position held
Governative agency
- Dates (from - to)
2009-present
- Occupation or position held

Supervisor of No. 8 PhD Students.
Tutor of 5 Post-Doc Fellowships granted by Regione Umbria, University of Perugia, Duchenne Parent Project - The Netherlands, AIRC (Associazione Italiana per la Ricerca sul Cancro) and Parent Project Onlus (Italy).
- Dates (from - to)
2008-2017
- Name and address of the employer
 - Type of business or sector
Italian Ministry of Education, Universities and Research
 - Occupation or position held
Research
- Dates (from - to)
1991-present
- Occupation or position held

Selected reviewer for research projects from MIUR, University of Padua (Italy), University of Modena and Reggio Emilia (Italy), Université Pierre et Marie Curie di Parigi (France), Research Foundation Flanders (FWO; Belgium), AFM-Téléthon (France), Swiss Foundation for Research on Muscle Diseases, The Netherlands Organisation for Scientific Research (NWO/ZonMw), Ministry of Health Singapore, Fondazione Italiana Sclerosi Multipla (FISM).

Ad hoc reviewer for PLoS ONE, Am J Physiol-Regul Integr Comp Physiol, J Cell Mol Med, Curr Pharm Design, Int J Immunopathol Pharmacol, Cell Death Disease, Acta Physiol, J Spine, J Appl Physiol, Onco Targets Ther, Cell Cycle, Nat Commun, Cancer Med, Oncotarget, Immunopharmacol Immunotoxicol, Frontiers Physiol, Transl Cancer

Res, Cancer Lett, Genes, FASEB J, Int J Mol Sci, Cells, Sci Rep, Life, Biomed Pharmacother, Eur J Transl Myol.

Assessor for the Italian national research assessments VQR 2004-2010 and 2011-2014. Referee of the Italian magazine "Scienze e Ricerche".

EDUCATION AND TRAINING

- Dates (from - to)
- Name and type of organisation providing education and training
- Title of qualification awarded

November 1990

University of Perugia, Piazza Università 1, 06100 Perugia, Italy

Enabled as a Professional Biologist

- Dates (from - to)
- Name and type of organisation providing education and training
- Title of qualification awarded

17.07.1989

University of Perugia, Piazza Università 1, 06100 Perugia, Italy

Degree in Biology *Summa cum laude* with the honorable mention, "Press dignity"

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas..

MADRELINGUA
ALTRE LINGUE

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

ITALIAN

ENGLISH

C2
C1
C1

FRENCH

C2
B2
B2

SOCIAL SKILLS
AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

He works very well in a team, even multidisciplinary.

2004-present: Tutor in more than 100 theses of several Degree Courses of University of Perugia and two Students of the International Federation of Medical Students' Association (IFMSA).

ORGANISATIONAL SKILLS
AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

He has excellent organizational skills.

2019-present: Coordinator of the high training course in Advanced Myology of the Univ. Perugia in collaboration with the Interuniversity Institute of Myology (IIM).

2012-present: Organization of 28 meetings/seminars, including 13 annual international IIM meetings (co-organizer/local organizer).

TECHNICAL SKILLS
AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

He is interested in:

- the role of RAGE (receptor for advanced glycation end-products) and its ligands, HMGB1 and S100B in muscle precursor cells, muscle regeneration, and skeletal muscle pathologies (sarcopenia, cachexia, muscle atrophy, and muscular dystrophies);
- the role of S100B and RAGE in the biology of muscle and muscle precursor cells;
- the use of microencapsulated Sertoli cells to counteract muscle degeneration in animal models of muscular dystrophy and inflammatory myopathies;
- the effects of exposure to microgravity on skeletal muscle tissue and satellite cells.

OTHER SKILLS
AND COMPETENCES
Competences not mentioned above.

2019-2024: Deputy Mayor of the city of Spello (Perugia, Italy).

2012-2019: President of the Association "The Infiorate of Spello", one of the most important Italian events, assembling about 1,300 members (www.infioratespello.it).

ADDITIONAL INFORMATION

Membership: Interuniversity Institute of Myology (IIM); Italian Society of Anatomy and Histology (SIAI); Interuniversity Consortium for Biotechnologies (CIB).

Member of the Editorial Board of: Journal of Functional Morphology and Kinesiology; Frontiers in Cell and Developmental Biology, session Stem Cell Research (Associate Editor); Frontiers in Physiology, session Striated Muscle Physiology; Cell Death & Disease (receiving editor); European Journal of Translational Myology, session Molecular Myology.

Co-Guest Editor:

2023-present, Special Issue "State-of-the-Art of Myology in 2023", *Biomolecules*;

2020-2022, Special Issue "State-of-the-Art of Myology in Italy", *Biomolecules*;

2017-2018, Special Issue "Muscular Dystrophy", *J. Funct. Morph.Kinesiol.*

MOST REPRESENTATIVE PUBLICATIONS

1. Di Filippo E.S., Chiappalupi S., Falone S., Dolo V., Amicarelli F., Marchianò S., Carino A., Mascetti G., Valentini G., Piccirillo S., Balsamo M., Vukich M., Fiorucci S., **Sorci G.**¹, Fulle S.¹ (2024) The *MyoGravity* project. Effects of exposure to real microgravity on human skeletal muscle tissue and muscle precursor cells. *npj Microgravity* 10:92. doi.org/10.1038/s41526-024-00432-1 (I.F. 5,1); ¹ Shared senior authorship
2. Salvadori L., Paiella M., Castiglioni B., Belladonna M.L., Manenti T., Ercolani C., Cornioli L., Clemente N., Scircoli A., Sardella R., Tensi L., Astolfi A., Barreca M.L., Chiappalupi S., Gentili G., Bosetti M., **Sorci G.**¹, Filigheddu N.¹, Riuzzi F.¹ (2024) *Equisetum arvense* standardized dried extract hinders age-related osteosarcopenia. *Biomed. Pharmacother.* 174:116517. doi:10.1016/j.biopha.2024.116517; (I.F. 7,5) ¹ Shared senior authorship
3. Chiappalupi S., Salvadori L., Borghi M., Mancuso F., Pariano M., Riuzzi F., Luca G., Romani L., Arato I., **Sorci G.** (2024) Grafted Sertoli cells exert immunomodulatory non-immunosuppressive effects in preclinical models of infection and cancer. *Cells* 13(6):544; doi.org/10.3390/cells13060544 (I.F. 6,0)
4. Clementi G., Neri I., Cottone F., Di Michele A., Mattarelli M., Sforna L., Chiappalupi S., **Sorci G.**, Michelucci A., Catacuzzeno L., Gammaitoni L. (2024) Self-powered temperature sensors harnessing membrane potential of living cells. *Nano Energy* 121:109211; doi: 10.1016/j.nanoen.2023.109211 (I.F. 17,6)
5. Bondi D., Bevere M., Piccirillo R., **Sorci G.**, Di Felice V., Re Cecconi A.D., D'Amico D., Pietrangelo T., Fulle S. (2023) Integrated procedures for accelerating, deepening, and leading genetic inquiry: A first application on human muscle secretome. *Mol Genet Metab.* 140(3):107705; doi: 10.1016/j.ymgme.2023.107705
6. Salvadori L., Belladonna M.L., Castiglioni B., Paiella M., Panfilì E., Manenti T., Ercolani C., Cornioli L., Chiappalupi S., Gentili G., Leigh M., **Sorci G.**¹, Bosetti M.¹, Filigheddu N.¹, Riuzzi F.¹ (2022) KYMASIN UP natural product inhibits osteoclastogenesis and improves osteoblast activity by modulating Src and p38 MAPK. *Nutrients* 14(15), 3053; doi: 10.3390/nu14153053. Cover figure assigned. ¹ Shared senior authorship
7. Di Filippo E.S., Chiappalupi S., Balsamo M., Vukich M., **Sorci G.**¹, Fulle S.¹ (2022) Preparation of Human Muscle Precursor Cells for the MyoGravity Project - Cell Culture in Experiment Units for Space Flight Purpose. *Appl. Sci.* 12, 7013; doi: 10.3390/app12147013. ¹ Shared senior authorship
8. Salvadori L., Chiappalupi S., Arato I., Mancuso F., Calvitti M., Marchetti M.C., Riuzzi F., Calafiore R., Luca G., **Sorci G.** (2021) Sertoli Cells Improve Myogenic Differentiation, Reduce Fibrogenic Markers, and Induce Urothelin Expression in Human DMD Myoblasts. *Biomolecules* 11(10):1504; doi: 10.3390/biom11101504
9. Chiappalupi S., Salvadori L., Donato R., Riuzzi F., **Sorci G.** (2021) Hyperactivated RAGE in comorbidities as a risk factor for severe COVID-19—The role of RAGE-RAS crosstalk. *Biomolecules* 11:876; doi: 10.3390/biom11060876
10. Chiappalupi S., Salvadori L., Vukasinovic A., Donato R., **Sorci G.**¹, Riuzzi F.¹ (2021) Targeting RAGE to prevent SARS-CoV-2-mediated multiple organ failure: Hypotheses and perspectives. *Life Sci.* 272:119251; doi: 10.1016/j.lfs.2021.119251; ¹ Shared senior authorship

11. Salvadori L., Mandrone, M., Manenti, T., Ercolani, C., Cornioli, L., Lianza, M., Tomasi, P., Chiappalupi, S., Di Filippo, E.S., Fulle, S., Poli F., **Sorci G.**¹, Riuzzi F.¹ (2021) Identification of Withania somnifera-Silybum marianum-Trigonella foenum-graecum formulation as a nutritional supplement to contrast muscle atrophy and sarcopenia. **Nutrients** 13:49; dx.doi.org/10.3390/nu13010049; ¹ *Shared senior authorship*
12. Chiappalupi S.¹, **Sorci G.**¹, Vukasinovic A., Salvadori L., Sagheddu R., Coletti D., Renga G., Romani L., Donato R., Riuzzi F. (2020) Targeting RAGE prevents muscle wasting and prolongs survival in cancer cachexia. **J. Cachexia Sarcopenia Muscle** 11(4):929-946; doi: 10.1002/jcsm.12561; ¹ *Contributed equally. (Wiley Top Cited Article 2020-2021)*
13. Bellezza I., Riuzzi F. Chiappalupi S., Arcuri C., Giambanco I., **Sorci G.**, Donato R. (2020) Reductive stress in striated muscle cells. **Cell. Mol. Life Sci.** 77(18):3547-3565; doi: 10.1007/s00018-020-03476-0
14. Riuzzi F., Chiappalupi S., Arcuri C., Giambanco I., **Sorci G.**¹ and Donato R.¹ (2020) S100 proteins in obesity: liaisons dangereuses. **Cell. Mol. Life Sci.** 77:129-47. doi: 10.1007/s00018-019-03257-4; ¹ *Shared senior authorship*
15. Chiappalupi S., Salvadori L., Luca G., Riuzzi F., Calafiore R., Donato R. and **Sorci G.** (2019) Do porcine Sertoli cells represent an opportunity for Duchenne muscular dystrophy? **Cell Proliferation** 26:e12599. doi: 10.1111/cpr.12599
16. Riuzzi F.¹, **Sorci G.**¹, Arcuri C., Giambanco I., Bellezza I., Minelli A. and Donato R. (2018) Cellular and molecular mechanisms of sarcopenia: the S100B perspective. **J. Cachexia Sarcopenia Muscle** 9:1255-68; doi: 10.1002/jcsm.12363; ¹ *Contributed equally*
17. Riuzzi F.¹, **Sorci G.**¹, Sagheddu R., Chiappalupi S., Salvadori L. and Donato R. (2018) RAGE in the pathophysiology of skeletal muscle. **J. Cachexia Sarcopenia Muscle** 9:1213-34; doi: 10.1002/jcsm.12350; ¹ *Contributed equally*
18. Sagheddu R., Chiappalupi S., Salvadori L., Riuzzi F., Donato R. and **Sorci G.** (2018) Targeting RAGE as a potential therapeutic approach to Duchenne muscular dystrophy. **Hum. Mol. Genet.** 27(21):3734-46; doi: 10.1093/hmg/ddy288
19. Luca G., Arato I., **Sorci G.**, Cameron D., Hansen B., Baroni T., Donato R., White D. and Calafiore R. (2018) Sertoli cells for cell transplantation: preclinical studies and future perspectives. **Andrology** 6(3): 385-95; doi.org/10.1111/andr.12484
20. Riuzzi F., Beccafico S., Sagheddu R., Chiappalupi S., Giambanco I., Bereshchenko O., Riccardi C., **Sorci G.**¹ and Donato R.¹ (2017) Levels of S100B protein drive the reparative process in acute muscle injury and muscular dystrophy. **Sci. Rep.** 7(1):1253; doi: 10.1038/s41598-017-12880-9; ¹ *Shared Senior authorship*