

EUROPEAN  
CURRICULUM VITAE  
FORMAT



**PERSONAL INFORMATION**

Name	<b>SORCI GUGLIELMO</b>	
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ORCID iD	0000-0002-1973-9679	Web site <a href="http://www.myolab-unipg.com">www.myolab-unipg.com</a>
Nationality	Italy	
Date of Birth	30/03/1965	

**WORK EXPERIENCE**

He is co-author of 68 papers *in extenso* published in international scientific journals (total IF, 320.20; average IF, 5.52; Scopus H index, 32; more than 4,500 citations), and more than 200 congress communications (also as 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](http://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
- 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:

- 2019- : CIRTEMER (Centro Biotecnologico Internazionale di Ricerca Traslazionale ad indirizzo Endocrino, Metabolico ed Embrio-Riproduttivo) UniPG (Scientific Committee)  
 2019- : Accademia Anatomico-Chirurgica of Perugia (Executive board)  
 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; www.iim-myology.it)
- 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) 2021-2025
  - 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 Fondazione Cassa di Risparmio di Perugia
  - Type of business or sector Foundation

- Occupation or position held **PI** in the project “Studio sull’invecchiamento muscolare: realizzazione di un prodotto fitoterapico anti-aging”; 2 years
- Dates (from - to) 01.11.2018-2019
- 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 “Role of the Receptor for Advanced Glycation End-products and its ligands in cancer-induced muscle wasting (cachexia)” (17581); 42 months
- Dates (from - to) 01.03.2017-2019
- Name and address of the employer Parent Project Onlus, Italy
  - Type of business or sector No-profit Association
  - Occupation or position held **PI** in the project “Use of microencapsulated Sertoli cells in Duchenne muscular dystrophy. Towards an application to human patients”; 30 months
- Dates (from - to) 29.07.2017-17.08.2017
- Name and address of the employer NASA, Kennedy Space Center, Cape Canaveral (FL, USA)
  - Type of business or sector Governative space agency
  - Occupation or position held **Visiting Scientist** among the project “Multidisciplinary approach to the analysis of the functional alterations induced by microgravity in human satellite cells, and study of possible countermeasures (MyoGravity)”.
- Dates (from - to) 2016-2019
- Name and address of the employer ASI (Agenzia Spaziale Italiana).
  - Type of business or sector Governative agency
  - Occupation or position held **Co-PI** in the project “Multidisciplinary approach to the analysis of the functional alterations induced by microgravity in human satellite cells, and study of possible countermeasures (MyoGravity)”; 32 months
- 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 Italian Ministry of Education, Universities and Research
  - Type of business or sector Research
  - Occupation or position held **Responsible of Research Unit** in PRIN2007 (2007AWZTHH\_004; 2 years), PRIN2009 (2009WBFZYM\_002; 2 years) and PRIN2012 (2012N8YJC3; 3 years) projects
- 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) November 1990
- Name and type of organisation providing education and training University of Perugia, Piazza Università 1, 06100 Perugia, Italy
- Title of qualification awarded Enabled as a Professional Biologist

- Dates (from - to) 17.07.1989
- Name and type of organisation providing education and training University of Perugia, Piazza Università 1, 06100 Perugia, Italy
- Title of qualification awarded 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 12 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](http://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 in "State-of-the-Art of Myology in 2023";

2020-2022, Special Issue in "State-of-the-Art of Myology in Italy."

## MOST REPRESENTATIVE PUBLICATIONS

1. 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
2. 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.**<sup>1</sup>, Bosetti M.<sup>1</sup>, Filigheddu N.<sup>1</sup>, RiuZZi F.<sup>1</sup> (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.* <sup>1</sup> Shared senior authorship
3. Di Filippo E.S., Chiappalupi S., Balsamo M., Vukich M., **Sorci G.**<sup>1</sup>, Fulle S.<sup>1</sup> (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. <sup>1</sup> Shared senior authorship
4. 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 Utrophin Expression in Human DMD Myoblasts. **Biomolecules** 11(10):1504; doi: 10.3390/biom11101504
5. 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
6. Chiappalupi S., Salvadori L., Vukasinovic A., Donato R., **Sorci G.**<sup>1</sup>, RiuZZi F.<sup>1</sup> (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; <sup>1</sup> Shared senior authorship
7. 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.**<sup>1</sup>, RiuZZi F.<sup>1</sup> (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; <sup>1</sup> Shared senior authorship
8. Chiappalupi S.<sup>1</sup>, **Sorci G.**<sup>1</sup>, 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; <sup>1</sup> Contributed equally. (Wiley Top Cited Article 2020-2021)
9. 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
10. RiuZZi F., Chiappalupi S., Arcuri C., Giambanco I., **Sorci G.**<sup>1</sup> and Donato R.<sup>1</sup> (2020) S100 proteins in obesity: liaisons dangereuses. **Cell. Mol. Life Sci.** 77:129-47. doi: 10.1007/s00018-019-03257-4; <sup>1</sup> Shared senior authorship
11. 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

12. Riuzzi F.<sup>1</sup>, **Sorci G.**<sup>1</sup>, 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; <sup>1</sup> *Contributed equally*
13. Riuzzi F.<sup>1</sup>, **Sorci G.**<sup>1</sup>, Sgheddu 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; <sup>1</sup> *Contributed equally*
14. Sgheddu 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
15. 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
16. Chiappalupi S., Salvadori L., Luca G., Riuzzi F., Calafiore R., Donato R. and **Sorci G.** (2017) Employment of microencapsulated Sertoli cells as a new tool to treat Duchenne muscular dystrophy. **J. Funct. Morphol. Kinesiol.** 2(4):47
17. Riuzzi F., Beccafico S., Sgheddu R., Chiappalupi S., Giambanco I., Bereshchenko O., Riccardi C., **Sorci G.**<sup>1</sup> and Donato R.<sup>1</sup> (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; <sup>1</sup> *Shared Senior authorship*