

NOGARA LEONARDO

Via Vincenzo Pinali, 14 35133 Padova Italy

Date of birth: 13/09/1988

Nationality: Italian

Researcher unique identifier(s): ORCID identifier: 0000-0002-7009-8707

Researcher ID: AAL-4127-2021

CURRENT POSITION

14/04/2026

Assistant Professor

RICERCATORE A TEMPO DETERMINATO IN TENURE-TRACK (RTT) ART. 24 COMMA 3, LEGGE 30 DICEMBRE 2010, N. 240

Disciplinare di afferenza 05/BIOS-06 – Fisiologia

Profilo: settore scientifico disciplinare BIOS-06/A – Fisiologia

Dept. Biomedical Sciences, University of Padova, Italy

PREVIOUS POSITIONS

01/09/2022 – 13/04/2026

Assistant Professor (ART. 24 COMMA 3 LETTERA A, non-tenure track position)
05/D1 FISILOGIA (profilo: settore scientifico disciplinare 810/09 - FISILOGIA)
Dept. Biomedical Sciences, University of Padova, Italy

01/02/2022 to 31/08/2022

Postdoctoral fellow (Assegno di Ricerca tipo B) - 6 months

Funded by grant STARS@UNIPD - Supporting TALENT in ReSearch@University of Padua Programme to L. Nogara

Title: “The pathophysiology of the Super Relaxed state of myosin in skeletal muscle - SRX_SkM”

Lab of Prof. Bert Blaauw - Dept. Biomedical Sciences, University of Padova, Italy

01/04/2021 to 31/01/2022

Research fellowship – 10 months

Lab of Prof. Bert Blaauw - Dept. Biomedical Sciences, University of Padova, Italy

01/01/2021 to 28/02/2021

Postdoctoral fellow (Assegno di Ricerca tipo A) - 12 months

Lab of Prof. Bert Blaauw - Dept. Biomedical Sciences, University of Padova, Italy

01/01/2020 to 31/12/2020

Postdoctoral fellow (Assegno di Ricerca tipo A) - 12 months

Lab of Prof. Bert Blaauw - Dept. Biomedical Sciences, University of Padova, Italy

01/01/2019 to 31/12/2019

Post-Doctoral Fellowship for Italy 2018 based on competitive AIRC grant (Fondazione AIRC per la Ricerca sul Cancro)

Title: “Energetic and functional characterization of human skeletal muscle fibers in cancer cachexia” founded to L. Nogara (€25000) - 12 months

Lab of Prof. Bert Blaauw - Dept. Biomedical Sciences, University of Padova, Italy

01/03/2018 to 31/12/2018

Postdoctoral fellow (Assegno di Ricerca tipo A) – 10 months

Lab of Prof. Bert Blaauw - Dept. Biomedical Sciences, University of Padova, Italy

01/02/2016 to 31/01/2018

Postdoctoral fellow (Assegno di Ricerca tipo A) - 24 months

Lab of Prof. Bert Blaauw - Dept. Biomedical Sciences, University of Padova, Italy

EDUCATION

2013-2016 **PhD**

Biosciences and Biotechnologies, curr. Biochemistry and Biophysics

Prof. Marcella Canton - Department of Biomedical Sciences, University of Padua, Italy

2010-2012 **Master degree**

Industrial biotechnology (110/110 cum laude)

Prof. Elisabetta Bergantino - Department of Biology, University of Padua, Italy

2007-2010 **Bachelor degree**

Biotechnologies (99/110)

Prof. Fiorella Lo Schiavo - Department of Biology, University of Padua, Italy

RESEARCH EXPERIENCES

2026

Participated in an x-ray structural study on ex-vivo muscle tissue at the Diamond Light Source (Didcot, UK) as part of the team led by Prof. Malcolm Irving, King's College London (1 week)

- 2025 Participated in an x-ray structural study on ex-vivo muscle tissue at the ESRF Grenoble as part of the team led by Prof. Malcolm Irving, King's College London (1 week)
- 2023 Visiting researcher (2 weeks)
Prof. Marcus Kruger, CECAD Institute, Cologne (Germany)
- 2021 Visiting researcher (2 weeks)
Prof. Luca Fusi and Prof. Elisabetta Brunello, Randall Centre for Cell and Molecular Biophysics and BHF Centre of Research Excellence, King's College London, London, UK.
- 2013–2015 Visiting researcher/PhD fellow (14 months)
Prof. Roger Cooke - Department of Biochemistry/Biophysics – University of California, San Francisco (California, USA).

GRANTS

- 2025-2027 SID DSB Unipd (€ 20000)
Title: “Connecting myosin Super Relaxed State modulation to oxygen consumption: a time course study of skeletal muscle basal metabolism following contraction”
- 2023-2025 SID DSB Unipd (€ 37889)
Title: “Contractility and metabolics properties of ex-vivo skeletal muscle as a function of piperine derivatives fiber type selectivity.”
- 2022-2024 SUPPORTING TALENT IN RESEARCH @ UNIVERSITY OF PADUA
Starting Grant (€ 180000) Title: “The pathophysiology of the Super Relaxed state of myosin in skeletal muscle”
- 2022-2023 AFM Telethon Trampoline Grant 2022 (€ 50000)
Title: “Pharmacological regulation of the OFF state of myosin in skeletal muscle”

FELLOWSHIPS AND AWARDS

- 2025 Young Researcher in Physiology Award from the Società Italiana di Fisiologia (€1000)
- 2023 Poster presentation Award - European Muscle Conference, Florence, Italy (€200)
- 2018 AIRC Post-Doctoral Fellowship for Italy 2018 (€25000)
title: “Energetic and functional characterization of human skeletal muscle fibers in cancer cachexia”.
- 2017 Best Oral presentation award “Fioretti Manzin” – VIMM retreat (€1600)
- 2015 Best Oral presentation award - European Muscle Conference, Warsaw, Poland (€200)
- 2013 Fondazione Aldo Gini, Fellowship for international students (€4800)

TEACHING ACTIVITIES

- 2025 Invited speaker at the 4th MuSkLE (Musculo-Skeletal system, Locomotion, Exercise) summer school organized by Prof. Julien Godin in Lyon, France. Title of the talk: “Muscle contraction and relaxed muscle: two sides of the same medal”.
- 2024-Present “Physiology, Biochemistry and Biology” (Fisiologia, Biochimica e Biologia) course (40h, SSD BIOS-06/A FISILOGIA) for first year students in Nursing
School of Medicine and Surgery, University of Padova
- 2022-Present “Human Physiology” (Fisiologia umana) course (48h, SSD BIOS-06/A FISILOGIA) for first year students in Applied Pharmacological Sciences
Dept. of Pharmaceutical and Pharmacological Sciences, University of Padova
- 2024 “Muscle Physiology” course (10h) in Master “Manual Therapy and Musculoskeletal Rehabilitation”, University of Padova
- 2015 Teaching assistant at lab practice activity for Physical Education student: Actin, myosin, and muscle contraction.
Stanford University (Stanford, California, USA) – Dr. Clyde Wilson
- 2013 Teaching assistant at lab practice activity for first-year biotechnologies students – Biochemistry. Prof. Fabio Di Lisa, Prof. Ildi Szabò,
Dept. Biomedical Sciences, University of Padova, Italy

EDUCATION IN APPROACHES TO TEACHING

- 2025 Participation to 40h course on IMPROVING ENGLISH - MEDIUM EDUCATIONAL PRACTICE at the University of Maynooth (Ireland)
- 2024 Participation to Team-based learning Workshop organized by the Department of Biomedical Sciences (University of Padova)
- 2022 Participation to the course Teaching for learning “New Faculty e Base_Edizione Fall 2022”

NATIONAL ABILITATION (ITALY)

06/11/2024 National Academic licence as Associate Professor in Physiology (Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Seconda Fascia Settore Concorsuale 05/D1 – FISILOGIA) valid until 06/11/2036

INSTITUTIONAL RESPONSIBILITIES

2026 Organizer of the Annual Retreat of the Department of Biomedical Sciences, University of Padova.
 2025 Component of the commission evaluating the Progetto di Eccellenza of the Department of Biomedical Science, University of Padova.
 2024 - present Component of the Journal Club committee of the PhD program of the Department of Biomedical Sciences, University of Padova, a series of weekly meetings where PhD students discuss the strengths and weaknesses of recent scientific literature.
 2023 Organizer of the Annual Retreat of the Department of Biomedical Sciences, University of Padova at the Villa Borromeo, Via della Provvidenza, 61, 35030 Sarameola, Padova including a roundtable discussion as part of the "DSB in the City" event, focusing on Nutrition and Movement.
 2018 - 2023 Representative for PhD students and postdocs at the Veneto Institute of Molecular Medicine (VIMM) Via Giuseppe Orus, 2 35133 Padova, Italy
 2013 Representative of the PhD students in Biosciences and Biotechnologies, University of Padova

MENTORING

2025 Co-supervisor of PhD student Dr. Mauro Montesel
 2024 - present Co-tutor of 2 PhD Students Dr. Cosimo De Napoli, Dr. Sabrina Zorzato
 2023 Scientific Responsible of Dr. Cosimo De Napoli (research fellow funded by STARS@UNIPD - Supporting TAlent in ReSearch@University of Padua Programme to L. Nogara)
 2020 Co-tutor of a Master Student (Dr. Paula Andrea Bermudez Mora)
 2019 Co-tutor of a PhD Student (Dr.ssa Ana Georgia Dumitras)
 2019 Co-tutor of a Master Student (Dr. Laura Scardoni)
 2019 Co-tutor of a Master Student (Dr. Francesca Basso)
 2018 Co-tutor of a Master Student (Dr.ssa Ana Georgia Dumitras)

PARTICIPATION TO INTERNATIONAL MEETINGS

2025	22nd Journées de la Société Française de Myologie - Aix-les-Bains (France) 19-21/11/2025	P
2025	52nd European Muscle Conference - Amsterdam, Netherlands	IOP
2025	3rd “Symposium between the Universities of Lyon, Padua, Lausanne, Geneva and the Nestlé Institute of Health Sciences (Lausanne)” in Lyon	OP
2025	(Pdm3) Padua Days on Muscle and Mobility Medicine	IOP
2024	European Muscle Conference - Ljubljana, Slovenia	P
2024	2rd “Symposium between the Universities of Lyon, Padua, Lausanne, Geneva and the Nestlé Institute of Health Sciences (Lausanne)” in Lausanne	OP
2023	50th European Muscle Conference - Florence, Italy	P
2023	Biophysical Society meeting – Canterbury 17-20/07/2023	
2023	1st “Symposium between the Universities of Lyon and Padua and the Nestlé Institute of Health Sciences (Lausanne)” in Padua	OP
2023	17 th Alpbach Molecular Motors Meeting, Austria 25-31/03/2023	P-OP
2022	Young Researcher in Physiology meeting– Bertinoro (FC) Italy 13-15/06	OP
2021	European Muscle Conference 2021 (virtual meeting) – 20-22/09	OP
2019	16 th Alpbach Molecular Motors Meeting, Austria 30 – 5/04	P-OP
2018	Annual Meeting of Young Researcher in Physiology – Anacapri (NA) 3-5/05	OP
2018	69th Congress of the Italian Physiological Society – Firenze 19-21/09	IOP
2017	XIV Interuniversity Institute of Myology meeting IIM, Assisi Italy	OP
2016	15 th Alpbach Molecular Motors Meeting, Austria 12–18/03/2016	P-OP
2015	Interuniversity Institute of Myology meeting IIM 2015 Reggio Emilia 1– 4/10	OP
2015	European Muscle Conference - Warsaw September 21-25/09/2015	OP
2014	Annual Meeting of Young Researcher in Physiology – Firenze 28-31/05/2014	OP
2014	Biophysical Society Meeting 15-19/02/2014 - San Francisco (USA)	
2013	14 th Alpbach Molecular Motors Meeting, Austria 16-22/03/2013	

poster **P**
 oral presentation **OP**
 invited oral presentation **IOP**

THIRD MISSION / DISSEMINATION

- 2025 Laboratory activity “The light microscope and the aquatic microorganisms”, an experience for 6 classes of first year middle school students of the Istituto Comprensivo Grantorto, Gazzo, San Pietro in Gu (Via Risorgimento, 46, 35010 Grossa PD) for a total of 20 hours.
- 2018-2023 Participation to several dissemination activities as a representative for PhD students and postdocs at the Veneto Institute of Molecular Medicine (VIMM) such as testimonial at Fiamme Oro, Liceo Barbarigo (Padova) and Science for All.

MAJOR COLLABORATIONS

- Prof. Bert Blaauw (Dep. of Biomedical Science, University of Padova, Italy) *in vivo* muscle physiology, muscle hypertrophy and cancer cachexia
- Prof. Jesper V. Olsen (University of Copenhagen, Denmark) mass spectrometry Lab
- Dr. Luca Fusi (King’s College, London) biophysics of skeletal and cardiac muscle contraction
- Dr. Elisabetta Brunello (King’s College, London) biophysics of skeletal and cardiac muscle contraction
- Prof. Lorenzo Marcucci (Dep. of Biomedical Science, University of Padova, Italy) modelling of muscle dynamics
- Prof. Andrea Mattarei (Dept. of Pharmaceutical and Pharmacological Sciences, University of Padova, Italy) organic chemistry, synthesis
- Prof. Mattia Sturlese (Dept. of Pharmaceutical and Pharmacological Sciences, University of Padova, Italy) crystallography, NMR and *in silico* molecular docking analysis

PUBLICATIONS

I published 44 papers on international peer-reviewed journals, which have been cited 1189 times, my h-index is 21 (Scopus) since 2015. I am first author of six papers (STAR Protocol 2025, ANTIOXIDANTS 2024, ACTA PHYSIOL 2020, SKELETAL MUSCLE 2021, PNAS 2016 and PLOS ONE 2016) and corresponding author of three (PNAS 2025, Nature Communication 2025, PLOS ONE 2024).

2026

	role	IF	Q
1. Nogara L , Reggiani C. The thin line between biochemistry and structure where myosin super relaxed state lies. <i>Biophys Rev</i> . Published online April 15, 2026. doi:10.1007/s12551-026-01433-y	FA-COR	3.7	1

2025

	role	IF	Q
2. Mauro Montesel, Cosimo De Napoli, Luisa Schmidt, Elena Germinario, Ulises Guzmán, Jesper V. Olsen, Lorenzo Marcucci, and Leonardo Nogara . 2025. A combined experimental and computational analysis of mantATP turnover in skinned muscle fibers. <i>PNAS</i> (doi: 10.1073/pnas.2502652122)	COR	9.1	1
3. Nogara L , Germani S, De Napoli C, Blaauw B, Zito E. Protocol for measuring force in skinned diaphragm muscle fibers of myopathic SEP11 knockout mice following chronic tauroursodeoxycholic acid treatment. <i>STAR Protoc</i> . 2025;6(3):103918.	FA	1.3	1
4. De Napoli C, Schmidt L, Montesel M, Cussonneau L, Sanniti S, Marcucci L, Germinario E, Kindberg J, Evans AL, Gauquelin-Koch G, Narici M, Bertile F, Lefai E, Krüger M*, Nogara L* , Blaauw B.* 2025. Reduced ATP turnover during hibernation in relaxed skeletal muscle. <i>Nat Commun</i> 16:80. doi:10.1038/s41467-024-55565-4	COR	15.7	1
5. Marco Scalabrin, Eloisa Turco, Ilaria Davigo, Riccardo Filadi, Leonardo Nogara , Gaia Gherardi, Lucia Barazzuol, Andrea Armani, Giulia Trani, Samuele Negro, Anais Franco Romero, Yorrick Jaspers, Elisa Baschiera, Rossella De Cegli, Eugenio Del Prete, Tito Cali, Bert Blaauw, Leonardo Salviati, Michela Rigoni, Cristina Mammucari, Sylvie Caspar-Bauguil, Cedric Moro, Paola Pizzo, Marco Sandri, Stephan Kemp, and Vanina Romanello*. Alterations in peroxisome-mitochondria interplay in skeletal muscle accelerate muscle dysfunction. <i>Nat Commun</i> (accepted).	A	15.7	1

6.	Andre Djalalvandi, Keisuke Takeda, Francesca Grespi, Tiago Branco Fonseca, Hualin Fan, Leonardo Nogara , Carlotta Barison, Saman Sharifi, Martina Semenzato, Akiko Omori, Raffaele Cerutti, Davide Steffan, Lorenza Tsansizi, Valeria Balmaceda, Lukas Alan, Camilla Bean, Bert Blaauw, Carlo Viscomi, Luca Scorrano. Opantimirs: A Class of Antagonizing microRNAs that Upregulate Opal and Improve Mitochondrial and Disuse Myopathies. (2025) Cell Reports Medicine manuscript CR-MEDICINE-D-24-03778R1 (accepted)	A	10.6	1
7.	Dumitras, A. G., Piccoli, G., Tellkamp, F., Keufgens, L., Baraldo, M., Zorzato, S., Cussonneau, L., Nogara, L. , Krüger, M., & Blaauw, B. (2025). Neural stimulation suppresses mTORC1-mediated protein synthesis in skeletal muscle. <i>Science Advances</i> , 11(14), eadt4955. https://doi.org/10.1126/sciadv.adt4955	A	12.5	1
8.	Conca, F., Bayburtlu, D. K., Vismara, M., Surdo, N. C., Tavoni, A., Nogara, L. , Sarra, A., Ciciliot, S., Benedetto, G. D., Iannucci, L. F., & Lefkimmatis, K. (2025). Phosphatases control the duration and range of cAMP/PKA microdomains. <i>Function</i> , zqaf007. https://doi.org/10.1093/function/zqaf007	A	3.8	1
9.	Benetollo, A., Parrasia, S., Scano, M., Biasutto, L., Rossa, A., Nogara, L. , Blaauw, B., Dalla Barba, F., Caccin, P., & Carotti, M. (2025). The novel use of the CFTR corrector C17 in muscular dystrophy: Pharmacological profile and in vivo efficacy. <i>Biochemical Pharmacology</i> , 116779.	A	5.6	1
10.	Gherardi, G., Weiser, A., Bermont, F., Migliavacca, E., Brinon, B., Jacot, G. E., Hermant, A., Sturlese, M., Nogara, L. , Vascon, F., De Mario, A., Mattarei, A., Garratt, E., Burton, M., Lillycrop, K., Godfrey, K. M., Cendron, L., Barron, D., Moro, S., ... De Marchi, U. (2025). Mitochondrial calcium uptake declines during aging and is directly activated by oleuropein to boost energy metabolism and skeletal muscle performance. <i>Cell Metabolism</i> , 37(2), 477-495.e11. https://doi.org/10.1016/j.cmet.2024.10.021	A	30.9	1
11.	Franchi MV, Candia J, Sarto F, Sirago G, Valli G, Paganini M, Hartnell L, Giacomello E, Toniolo L, Monti E, Nogara L , Moro T, Paoli A, Murgia M, Brocca L, Pellegrino MA, Grassi B, Bottinelli R, De Vito G, Ferrucci L, Narici MV. 2025 Previous short-term disuse dictates muscle gene expression and physiological adaptations to subsequent resistance exercise. <i>The Journal of Physiology</i> n/a. doi:10.1113/JP287003	A	4.4	1
12.	Li, J., Madsen, A. B., Knudsen, J. R., Henriquez-Olguin, C., Persson, K. W., Li, Z., Raun, S. H., Li, T., Kiens, B., Wojtaszewski, J. F. P., Richter, E. A., Nogara, L. , Blaauw, B., Ogasawara, R., & Jensen, T. E. (2025). mTOR Ser1261 is an AMPK-dependent phosphosite in mouse and human skeletal muscle not required for mTORC2 activity. <i>FASEB Journal: Official Publication of the Federation of American Societies for Experimental Biology</i> , 39(2), e70277.	A	4.2	1

2024

		role	IF	Q
13.	Giulio Masiero, Giulia Ferrarese, Eleonora Perazzolo, Martina Baraldo, Leonardo Nogara* and Caterina Tezze*. Custom-made 3D-printed boot as a model of disuse-induced atrophy in murine skeletal muscle. <i>PLOS ONE</i> (2024).	COR	2.6	1
14.	Francesca Gasparella*, Leonardo Nogara* , Elena Germinario, Lucia Tibaudo, Stefano Ciciliot, Giorgia Piccoli, Francisca Carolina Venegas, Francesca Fontana, Gabriele Sales, Daniele Sabbatini, Jonathan Foot, Wolfgang Jarolimek, Bert Blaauw, Marcella Canton and Libero Vitiello. A Novel MAO-B/SSAO Inhibitor Improves Multiple Aspects of Dystrophic Phenotype in mdx Mice. <i>Antioxidants</i> (2024).	FA	6.6	1
15.	Marcucci L, Nogara L , Canato M, Germinario E, Raffaello A, Carraro M, Bernardi P, Pietrangelo L, Boncompagni S, Protasi F, Paolocci N, Reggiani C. 2024. Mitochondria can substitute for parvalbumin to lower cytosolic calcium levels in the murine fast skeletal muscle. <i>Acta Physiologica</i> 240:e14208. doi:10.1111/apha.14208	A	5.6	1
16.	Germani, S., Van Ho, A. T., Cherubini, A., Varone, E., Chernorudskiy, A., Renna, G. M., Fumagalli, S., Gobbi, M., Lucchetti, J., Bolis, M., Guarrera, L., Craparotta, I., Rastelli, G., Piccoli, G., de Napoli, C., Nogara, L. , Poggio, E., Brini, M., Cattaneo, A., Zito, E. (2024). SEPNI-related myopathy depends on the oxidoreductase ERO1A and is druggable with the chemical chaperone TUDCA. <i>Cell Reports Medicine</i> , 5(3).	A	10.6	1

17. Calabrò S, Nogara L , Jian Y, Valentin M, Bizzotto D, Braghetta P, Russo L, Gambarotto L, Blaauw B, Hashemolhosseini S, Bonaldo P, Cescon M. 2024. Salbutamol repurposing ameliorates neuromuscular junction defects and muscle atrophy in Col6a1 ^{-/-} mouse model of collagen VI-related myopathies. <i>Clin Transl Med</i> 14:e1688. doi:10.1002/ctm2.1688	A	10.6	1
---	---	------	---

2023

	role	IF	Q
18. Tezze, C., Amendolagine, F. I., Nogara, L. , Baraldo, M., Ciciliot, S., Arcidiacono, D., Zaramella, A., Masiero, G., Ferrarese, G., Realdon, S., Blaauw, B., Detienne, G., Beliën, A. T., Sandri, M., & Mercken, E. M. (2023). A combination of metformin and galantamine exhibits synergistic benefits in the treatment of sarcopenia. <i>JCI Insight</i> , 8(15).	A	6.3	1
19. C. Marchioretti, G. Zanetti, M. Pirazzini, G. Gherardi, L. Nogara , R. Andreotti, P. Martini, L. Marcucci, M. Canato, S. R. Nath, E. Zuccaro, M. Chivet, C. Mammucari, M. Pacifici, A. Raffaello, R. Rizzuto, A. Mattarei, M. A. Desbats, L. Salviati, A. Megighian, G. Sorarù, E. Pegoraro, E. Belluzzi, A. Pozzuoli, C. Biz, P. Ruggieri, C. Romualdi, A. P. Lieberman, G. J. Babu, M. Sandri, B. Blaauw, M. Basso, M. Pennuto, Defective excitation-contraction coupling and mitochondrial respiration precede mitochondrial Ca ²⁺ accumulation in spinobulbar muscular atrophy skeletal muscle. <i>Nature Communications</i> 14 (2023).	A	15.7	1

2022

	role	IF	Q
20. M. Baraldo, S. Zorzato, A. H. T. Dondjang, A. Geremia, L. Nogara , A. G. Dumitras, M. Canato, L. Marcucci, H. Nolte, B. Blaauw, Inducible deletion of raptor and mTOR from adult skeletal muscle impairs muscle contractility and relaxation. <i>J. Physiol.</i> 600, 5055–5075 (2022).	A	4.4	1
21. Geremia, A., Sartori, R., Baraldo, M., Nogara, L. , Balmaceda, V., Dumitras, G. A., Ciciliot, S., Scalabrin, M., Nolte, H., & Blaauw, B. (2022). Activation of Akt-mTORC1 signalling reverts cancer-dependent muscle wasting. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 13(1), 648–661. https://doi.org/10.1002/jcsm.12854 .	A	9.1	1
22. Scano, M., Benetollo, A., Nogara, L. , Bondi, M., Dalla Barba, F., Soardi, M., Furlan, S., Akyurek, E. E., Caccin, P., Carotti, M., Sacchetto, R., Blaauw, B., & Sandonà, D. (2022). CFTR corrector C17 is effective in muscular dystrophy, in vivo proof of concept in LGMDR3. <i>Human Molecular Genetics</i> , 31(4), 499–509.	A	3.2	1

Before 2022

	role	IF	Q
23. M. Baraldo, L. Nogara , G. A. Dumitras, A. H. T. Dondjang, A. Geremia, M. Scalabrin, C. Türk, F. Telkamp, L. Zentilin, M. Giacca, M. Krüger, B. Blaauw, Raptor is critical for increasing the mitochondrial proteome and skeletal muscle force during hypertrophy. <i>FASEB J.</i> 35, e22031 (2021).	A	4.2	1
24. M. Murgia, L. Nogara (co-first author) , M. Baraldo, C. Reggiani, M. Mann, S. Schiaffino, Protein profile of fiber types in human skeletal muscle: a single-fiber proteomics study. <i>Skelet. Muscle.</i> 11, 24 (2021).	FA	4.4	1
25. T. Bock, C. Türk, S. Aravamudhan, L. Keufgens, W. Bloch, D. H. Rozsivalova, V. Romanello, L. Nogara , B. Blaauw, A. Trifunovic, T. Braun, M. Krüger, PERM1 interacts with the MICOS-MIB complex to connect the mitochondria and sarcolemma via ankyrin B. <i>Nat. Commun.</i> 12, 4900 (2021).	A	15.7	1
26. Monti E, Reggiani C, Franchi MV, Toniolo L, Sandri M, Armani A, Zampieri S, Giacomello E, Sarto F, Sirago G, Murgia M, Nogara L , Marcucci L, Ciciliot S, Simunic B, Pisot R, and Narici M, Neuromuscular junction instability and altered intracellular calcium handling as early determinants of force loss during unloading in humans. <i>J. Physiol.</i> (2021).	A	4.4	1
27. F. Magarotto, A. Sgrò, A. H. Dorigo Hochuli, M. Andretta, M. Grassi, M. Saggiaro, L. Nogara , A. M. Tolomeo, R. Francescato, F. Collino, G. Germano, F. Caicci, E.	A	12.9	1

Maghin, M. Piccoli, M. Jurga, B. Blaauw, P. Gamba, M. Muraca, M. Pozzobon, Muscle functional recovery is driven by extracellular vesicles combined with muscle extracellular matrix in a volumetric muscle loss murine model. <i>Biomaterials</i> . 269 (2021), doi:10.1016/j.biomaterials.2021.120653.			
28. F. Solagna, L. Nogara (co-first author) , K. A. Dyar, F. Greulich, A. A. Mir, C. Türk, T. Bock, A. Geremia, M. Baraldo, R. Sartori, J. Farup, H. Uhlentaut, K. Vissing, M. Kruger, B. Blaauw, Exercise-dependent increases in protein synthesis are accompanied by chromatin modifications and increased MRTF-SRF signaling. <i>Acta Physiol. Oxf. Engl.</i> (2020), doi:10.1111/apha.13496.	FA	5.6	1
29. S. Kallabis, L. Abraham, S. Müller, V. Dzialis, C. Türk, J. L. Wiederstein, T. Bock, H. Nolte, L. Nogara , B. Blaauw, T. Braun, M. Krüger, High-throughput proteomics fiber typing (ProFit) for comprehensive characterization of single skeletal muscle fibers. <i>Skelet. Muscle</i> . 10, 7 (2020).	A	4.4	1
30. J. M. de Winter, J. P. Molenaar, M. Yuen, R. van der Pijl, S. Shen, S. Conijn, M. van de Locht, M. Willigenburg, S. J. Bogaards, E. S. van Kleef, S. Lassche, M. Persson, D. E. Rassier, T. E. Sztal, A. A. Ruparella, V. Oorschot, G. Ramm, T. E. Hall, Z. Xiong, C. N. Johnson, F. Li, B. Kiss, N. Lozano-Vidal, R. A. Boon, M. Marabita, L. Nogara , B. Blaauw, R. J. Rodenburg, B. Küsters, J. Doorduyn, A. H. Beggs, H. Granzier, K. Campbell, W. Ma, T. Irving, E. Malfatti, N. B. Romero, R. J. Bryson-Richardson, B. G. van Engelen, N. C. Voermans, C. A. Ottenheijm, KBTBD13 is an actin-binding protein that modulates muscle kinetics. <i>J. Clin. Invest.</i> 130, 754–767 (2020).	A	9.1	1
31. M. Baraldo, A. Geremia, M. Pirazzini, L. Nogara , F. Solagna, C. Türk, H. Nolte, V. Romanello, A. Megighian, S. Boncompagni, M. Kruger, M. Sandri, B. Blaauw, Skeletal muscle mTORC1 regulates neuromuscular junction stability. <i>J. Cachexia Sarcopenia Muscle</i> . 11, 208–225 (2020).	A	9.1	1
32. E. Varone, D. Pozzer, S. Di Modica, A. Chernorudskiy, L. Nogara , M. Baraldo, M. Cinquanta, S. Fumagalli, R. N. Villar-Quiles, M.-G. De Simoni, B. Blaauw, A. Ferreiro, E. Zito, SELENON (SEPN1) protects skeletal muscle from saturated fatty acid-induced ER stress and insulin resistance. <i>Redox Biol.</i> 24, 101176 (2019).	A	11.9	1
33. L. Galazzo, L. Nogara , F. LoVerso, A. Polimeno, B. Blaauw, M. Sandri, C. Reggiani, D. Carbonera, Changes in the fraction of strongly attached cross bridges in mouse atrophic and hypertrophic muscles as revealed by Continuous Wave EPR. <i>Am. J. Physiol. Cell Physiol.</i> (2019), doi:10.1152/ajpcell.00438.2018.	A	4.7	1
34. D. A. Gonçalves, W. A. Silveira, L. H. Manfredi, F. A. Graça, A. Armani, E. Bertaggia, B. T. O'Neill, N. Lautherbach, J. Machado, L. Nogara , M. G. Pereira, D. Arcidiacono, S. Realdon, C. R. Kahn, M. Sandri, I. C. Kettelhut, L. C. C. Navegantes, Insulin/IGF1 signalling mediates the effects of β_2 -adrenergic agonist on muscle proteostasis and growth. <i>J. Cachexia Sarcopenia Muscle</i> . 10, 455–475 (2019).	A	9.1	1
35. G. Gherardi, L. Nogara , S. Ciciliot, G. P. Fadini, B. Blaauw, P. Braghetta, P. Bonaldo, D. D. Stefani, R. Rizzuto, C. Mammucari, Loss of mitochondrial calcium uniporter rewires skeletal muscle metabolism and substrate preference. <i>Cell Death Differ.</i> 26, 362 (2019).	A	15.4	1
36. D. Pozzer, E. Varone, A. Chernorudskiy, S. Schiarea, S. Missiroli, C. Giorgi, P. Pinton, M. Canato, E. Germinario, L. Nogara , B. Blaauw, E. Zito, A maladaptive ER stress response triggers dysfunction in highly active muscles of mice with SELENON loss. <i>Redox Biol.</i> 20, 354–366 (2019).	A	11.9	1
37. D. Tolkatchev, D. Elnatan, L. Nogara , T. Ly, N. Naber, K. Haak, R. Meech, R. Cooke, A. S. Kostyukova, Piperine, an alkaloid inhibiting the super-relaxed state of myosin, binds to the myosin regulatory light chain. <i>Arch. Biochem. Biophys.</i> 659, 75–84 (2018).	A	3	1
38. F. Lang, S. Khaghani, C. Türk, J. L. Wiederstein, S. Hölper, T. Piller, L. Nogara , B. Blaauw, S. Günther, S. Müller, T. Braun, M. Krüger, Single Muscle Fiber Proteomics Reveals Distinct Protein Changes in Slow and Fast Fibers during Muscle Atrophy. <i>J. Proteome Res.</i> 17, 3333–3347 (2018).	A	3.6	1
39. L. Vitiello, M. Marabita, E. Sorato, L. Nogara , G. Forestan, V. Mouly, L. Salviati, M. Acosta, B. Blaauw, M. Canton, Drug Repurposing for Duchenne Muscular Dystrophy:	A	3.4	2

The Monoamine Oxidase B Inhibitor Safinamide Ameliorates the Pathological Phenotype in mdx Mice and in Myogenic Cultures From DMD Patients. <i>Front. Physiol.</i> 9 (2018), doi:10.3389/fphys.2018.01087.			
40. A. Coppe, L. Nogara , M. S. Pizzuto, A. Cani, S. Cesaro, R. Masetti, F. Locatelli, G. Te Kronnie, G. Basso, S. Bortoluzzi, S. Bresolin, Somatic mutations activating Wiskott-Aldrich syndrome protein concomitant with RAS pathway mutations in juvenile myelomonocytic leukemia patients. <i>Hum. Mutat.</i> 39, 579–587 (2018).	A	3.3	1
41. M. G. Pereira, K. A. Dyar, L. Nogara , F. Solagna, M. Marabita, M. Baraldo, F. Chemello, E. Germinario, V. Romanello, H. Nolte, B. Blaauw, Comparative Analysis of Muscle Hypertrophy Models Reveals Divergent Gene Transcription Profiles and Points to Translational Regulation of Muscle Growth through Increased mTOR Signaling. <i>Front. Physiol.</i> 8, 968 (2017).	A	3.4	2
42. L. Nogara , N. Naber, E. Pate, M. Canton, C. Reggiani, R. Cooke, Piperine's mitigation of obesity and diabetes can be explained by its up-regulation of the metabolic rate of resting muscle. <i>Proc. Natl. Acad. Sci.</i> 113, 13009–13014 (2016).	FA	9.1	1
43. L. Nogara , N. Naber, E. Pate, M. Canton, C. Reggiani, R. Cooke, Spectroscopic Studies of the Super Relaxed State of Skeletal Muscle. <i>PLOS ONE.</i> 11, e0160100 (2016).	FA	2.6	1
44. S. Fogal, M. Carotti, L. Giaretta, F. Lanciai, L. Nogara , L. Bubacco, E. Bergantino, Human tyrosinase produced in insect cells: a landmark for the screening of new drugs addressing its activity. <i>Mol. Biotechnol.</i> 57, 45–57 (2015).	A	2.5	3

April 22nd, 2026
Leonardo Nogara