

Elena Ziviani, PhD

Citizenship: Italian
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Languages: Italian, English

Education:

2006 Doctor of Philosophy in Neuroscience, Faculty of Medicine and Biological Sciences, Leicester University (UK) & MRC Toxicology Unit (Leicester, UK) (Supervisor: Professor Pierluigi Nicotera).
2001 Laurea degree in Biological Sciences, University of Padua (Italy). Final score: 110/110

Academic appointments:

2017-present Associate Professor of Biochemistry, Department of Biology, University of Padua, Italy.
2014-2017 Assistant Professor of Biochemistry, Giovani Ricercatori “Rita Levi Montalcini”, Department of Biology, University of Padua, Italy.
2014-2017 Young Researcher/Giovane Ricercatore, “Ricerca Finalizzata” (RF) Program (Italian Ministry of Health). San Camillo IRCCS, Lido di Venezia, Venezia, Italy.
2014-2015 Visiting Professor c/o University of Geneva, Département de Science des Protéines Humaines, CMU, Rue Michel-Servet 1, CH-1211. Hosting lab: Professor Martine Collart. Director: Professor Amos Bairoch.

Research and Professional Experience:

2012-2014 *Boursieres d'Excellence, Marie Curie Action Fellow.* Faculté de médecine de Genève, University of Geneva, Geneva, Switzerland (Prof Luca Scorrano).
2011-2012 *Boursieres d'Excellence, EMBO long term Fellow.* Faculté de médecine de Genève, University of Geneva, Geneva, Switzerland (Prof Luca Scorrano).
2007-2011 *Post Doctoral scientist.* Medical Research Council (MRC), Centre for developmental and biomedical genetics. Sheffield, UK (Neuroscience, Prof. A. Whitworth).
2006-2007 *Post Doctoral scientist.* Medical Research Council (MRC), Toxicology Unit. Leicester, UK (Neuroscience, Prof. P. Nicotera).
2001-2006 *PhD Student.* Medical Research Council (MRC), Toxicology Unit. Leicester, UK (Neuroscience, Prof. P. Nicotera).

Fellowships:

2012-2014 Marie Curie IEF
2011-2012 Long term Fellowship, EMBO

Awards and Honours:

2015 Rapid Response Innovation Award (RRIA), Michael J Fox Foundation
2014 Rapid Response Innovation Award (RRIA), Michael J Fox Foundation
2006 MRC Special Award for outstanding contribution to the work of the MRC Toxicology Unit, Leicester

Research support (Grants):

2024

1. Michael J Fox Foundation (USA); Spring 2024 RFP; 199,376.80 \$
Role: PI
Duration: 1.5 years (18 months)
2. Parkinson's Disease Foundation (USA); Impact Award; 150,000 \$
Role: PI
Duration: 1 year (12 months)

2021

1. Michael J Fox Foundation (USA); Fall 2021 RFP; 299,453 \$
Role: PI
Duration: 2 years (24 months)
2. Michael J Fox Foundation (USA); 2021 RFA; 150,000 \$
Role: PI
Duration: 2 years (24 months)
3. AriSLA (IT); Pilot Grant; 60,000 €
Role: PI

- Duration: 1 year (12 months)
4. University of Padua, Department of Biology (IT); PRID SEED; 12,998 €
Role: PI
Duration: 1 year (12 months)
- 2019
1. Michael J Fox Foundation (USA); Target Validation-2019; 149,955 \$
Role: PI
Duration: 1.5 years (18 months)
 2. University of Padua, Department of Biology (IT); PRID; 48,000 €
Role: PI
Duration: 2 years (24 months)
- 2015
1. Michael J Fox Foundation (USA); RRIA; 125,000 \$
Role: PI
Duration: 1 year (12 months)
 2. University of Padua, Department of Biology (IT); PRID; 48,000 €
Role: PI
Duration: 2 years (24 months)
- 2014
1. Italian Ministry of Health (IT); Giovani Ricercatori RF; 342,088 €
Role: PI
Duration: 3 years (36 months)
 2. MIUR, Giovani Ricercatori “Rita Levi Montalcini”; 230,000 €
Role: PI
Duration: 3 years (36 months)
 3. Michael J Fox Foundation (USA); RRIA; 74,982.60 \$
Role: PI
Duration: 1 year (12 months)
- 2013
1. Parkinson Schweiz (CH); 25,000 CHF
Role: PI
Duration: 1 year (12 months)

Editorial Boards:

Editorial board member of *Frontiers in Cellular Neuroscience*, *Frontiers in Physiology*, *Frontiers in Cell and Developmental Biology*, *Biology Direct*.

Reviewer activity (selected):

Several leading journals including *Trends in Cell Biology*, *Nature Cell Biology*, *Nature Communications*, *FEBS Journal*, *EMBO Molecular Medicine*, *Molecular Cell*, *Cell Death and Differentiation*, *Cell Death and Disease*, *Autophagy*, *Frontiers*.

Committees and steering activities

- 2024 Member of Commission of selection procedure for the assignment of n. 1 (one) researcher (type b)/BIO 10. Università Cattolica del Sacro Cuore. Roma
- 2023 PhD evaluator of PhD student in Mitochondria and Neurobiology, Miss Rita Soares (PhD supervisor: Dr Vanessa A.Morais & Ana M. Sebastiao). PhD thesis title: “Role of mitochondrial dynamics and metabolism in postnatal neural stem cells differentiation”. IMM JLA, Faculty of Medicine University of Lisbon, Portugal.
- 2022 Member of Commission of selection for admission to the PhD course in Biosciences. 2022/2023 -XXXVIII ciclo. Department of Biology, University of Padova.
- 2022 PhD evaluator of PhD student in Molekulare Biologie, Miss Pauline Dao (PhD supervisor: Dr. Kristin Tessmar-Raible), PhD thesis title: “*letm1* as a potential bridge between mitochondrial ion homeostasis and diel rhythms in the zebrafish *Danio rerio*”. Max F Perutz Laboratories, Research Platform Rhythms of Life, University of Vienna, Vienna, Austria.
- 2021 PhD evaluator of PhD student in Bimolecular Science, Miss Maria Paulina Castelo Rueda (PhD supervisor: Dr Simona Casarosa). PhD thesis title: “The role of mitochondria in modifying penetrance of Parkinson’s disease nuclear variants”. Department of Cellular, Computational and Integrative Biology - CIBIO, University of Trento, Trento, Italy.
- 2021 PhD evaluator of PhD student in Science Biomediche, Miss Anna Stocco (PhD supervisor: Prof Paolo Bernardi). PhD thesis title: “A triazole inhibitor of the mitochondrial permeability transition pore fully restores coupled respiration and allows survival into adulthood of *sapje* zebrafish, a severe model of Duchenne muscular dystrophy”. Department of Biomedical Science, University of Padua, Padova, Italy.

- 2020 Member of Commission of selection for admission to the PhD course in Biosciences. 2020/2021-XXXVI ciclo. Department of Biology, University of Padova.
- 2020 PhD evaluator of PhD student in Neuroscience, Ms Emeline Hamon-Keromen (PhD supervisor: Prof Olga Corti). PhD thesis title: “La voie PINK1/Parkine dans la maladie de Parkinson: Conséquences de sa perte de fonction sur la réponse au stress mitochondrial dans un modèle neuronal”. Sorbonne Université, Ecole doctorale Cerveau-Cognition-Comportement, Institut du Cerveau et de la Moelle épinière, Paris. France.
- 2017 PhD evaluator of PhD student in biologia cellulare e molecolare, Mr Pasquale D’Acunzo (PhD supervisor: Prof Francesco Cecconi). PhD thesis title: “Inducing mitophagy by an optogenetic bimodular system”. Università degli studi di Roma "Tor Vergata", Roma, Italy.
- 2015 PhD evaluator of PhD student in Sciences mention Biologie, Miss Marjorie Desmurs (PhD supervisor: Prof Amos Bairoch). PhD thesis title: “C11orf83, a mitochondrial cardiolipin-binding protein involved in bc1 complex assembly and supercomplex stabilization.” Département de Science des Protéines Humaines Faculté De Medecine, University of Geneva, Geneva, Switzerland.

Grant reviewing activity

- 2022-present Ad hoc peer review, Deutsche Forschungsgemeinschaft (DFG), German Research Foundation, Bonn, Germany
- 2020-present Ad hoc peer review, GACR, The Czech Science Foundation, Czech Republic.
- 2017-present Ad hoc peer review, Agence Nationale de la Recherche (ANR), France
- 2016-present Ad hoc peer review, Michael J. Fox foundation, USA
- 2016-present Ad hoc peer review, Parkinson’s UK, UK
- 2015-present Ad hoc peer review, International Research Projects, Luxemburg

Organizational Activities and Conference Leadership

- 2023 Member, Scientific committee of Winter School in Neurodegeneration: from organs to organelles. Palazzo Bo, Department of Neuroscience, Department of Biology, University of Padua. Padua, Italy
- 2023 Conference Chair, IRCND (International Research Conference on Neurodegenerative Diseases). Tucson, AZ (USA).
- 2022 Member, Scientific committee of Summer school in Molecular Biology, University of Padua, Padua, Italy.
- 2020 Member, Scientific committee of the First Summer school in Molecular Biology, University of Padua, Padua, Italy.
- 2020 Co-founder and member of CESNE (Centro Studi per la Neurodegenerazione), Department of Neuroscience, Department of Biology, University of Padua, Padua, Italy.
- 2017 Conference Chair, Padua-mit-Innsbruck Mitochondria Conference

Professional Societies Membership

- 2024-present Biochemical Society
- 2020-present Global Association for the Study of Neurodegenerative Diseases (GASND)
- 2020-present Centro Studi per la Neurodegenerazione (CESNE)
- 2019-present EHDN European Huntington's Disease network (EHDN)

Invited speaker

- 2026 Keystone Symposia on Mitochondria Signaling in Physiology and Disease, Colorado, USA.
- 2025 Inaugural GASND SUMMIT-2025, Singhealth Academia Campus, Singapore.
- 2024 AriSLA 2024 Conference. Research, Development and Innovation in ALS, Milan, Italy.
- 2024 EMBO Workshop “Ubiquitin and ubiquitin-like proteins in health and disease”, Cavtat-Dubrovnik, Croatia (Chair).
- 2023 International Research Conference on Neurodegenerative Diseases (IRCND 2023), Tucson, AZ, USA.
- 2021 International Research Conference on Neurodegenerative Diseases (IRCND 2021), Baltimore, MD, USA.
- 2019 Cold Spring Harbor Asia Conference. "Mitochondria", Suzhou, China.
- 2017 Mini Symposium on Mitochondrial Structure and Function, Taipei, Taiwan.
- 2017 École polytechnique fédérale de Lausanne (EPFL), Brain Mind Institute (BMI), Neuroscience, Lausanne. Guested by Professor Hilal Lashuel
- 2016 Japanese Pharmacological Society, 89th Annual meeting, Yokohama, Japan.
- 2016 University of Osaka, Osaka, Japan. Guested by professors Hitoshi Hashimoto & Nori Shintani.
- 2016 University of Kanazawa, Cancer Research Institute, Kanazawa, Japan. Guested by Prof. Atzuko Kasahara.
- 2016 "Mito Christmas Meeting", Innsbruck, Austria.
- 2015 “HFA” Winter Research Meeting, Les Diablerets, Switzerland.
- 2014 “MitoBrain, Mitochondrial Functions and Dysfunctions in the Central Nervous System, Bordeaux, France.
- 2013 “Genomics of Parkinson’s disease and beyond”, Tubingen, Germany.
- 2012 SINS (Società italiana neuroscienze), XIV congress of the Italian Society for Neuroscience, Catania, Italy.
- 2012 “Cell Dynamics and Disease” 6th Munster Graduate School Meeting, Munster, Germany.

Selected speaker

- 2024 XX Italian Drosophila Research Conference, Milan, Italy
- 2023 Cold Spring Harbor Asia Conference. "Mitochondria and Metabolism in Health and Disease", Suzhou , China.
- 2023 Cold Spring Harbor meeting. "Ubiquitin, Autophagy and Disease", Cold Spring Harbor, NY, USA.
- 2022 EMBO Course "mitochondria in life, death and disease", Budva, Montenegro.
- 2019 EMBO Course "mitochondria in life, death and disease", Herceg Novi, Montenegro.
- 2019 "Deubiquitylases- from mechanism to physiology", Edimburgo, UK.
- 2018 "2nd Frankfurt Conference on Quality Control in Life Processes & 8th International p63/p73 Workshop", Frankfurt, Germany.
- 2017 Cold Spring Harbor Asia conference. "Mitochondria", Suzhou, China.
- 2015 "Autophagy signalling and progression in death and disease" EMBO Conference, Chia, Italy.

Teaching activity (University of Padua, Italy)

AA 2024-2025

Biochimica 1, Corso di Studio in Biologia, 48hrs frontal lessons+32hrs practical lab

Biochimica 2, Corso di Studio in Biologia, 40hrs frontal lessons

AA 2023-2024

Biochimica 1, Corso di Studio in Biologia, 48hrs frontal lessons +32hrs practical lab

Biochimica 2, Corso di Studio in Biologia, 40hrs frontal lessons

AA 2022-2023

Biochimica 1, Corso di Studio in Biologia, 48hrs frontal lessons +64hrs practical lab

AA 2021-2023

Biochimica 1, Corso di Studio in Biologia, 48hrs frontal lessons +64hrs practical lab

AA 2020-2021

Biochimica 1, Corso di Studio in Biotecnologie, 16hrs practical lab +8hrs ADAPG ("attività didattica a piccoli gruppi")

Biochimica 1, Corso di Studio in Biologia, 48hrs practical lab

Biochimica 2, Corso di Studio in Biologia, 40hrs frontal lessons +16hrs practical lab

AA 2019-2020

Chimica Organica e Biochimica, Corso di Studio in Scienze Naturali, 28hrs frontal lessons +8hrs practical lab

Biochimica 1, Corso di Studio in Biologia, 32hrs practical lab

Biochimica 2, Corso di Studio in Biologia Molecolare, 24hrs frontal lessons +16hrs practical lab

AA 2018-2019

Chimica Organica e Biochimica, Corso di Studio in Scienze Naturali, 28hrs frontal lessons +8hrs practical lab

Biochimica 1, Corso di Studio in Biologia, 32hrs practical lab

Biochimica 2, Corso di Studio in Biologia Molecolare, 24hrs frontal lessons +16hrs classroom exercises

AA 2017-2018

Chimica Organica e Biochimica, Corso di Studio in Scienze Naturali, 28hrs frontal lessons +8hrs practical lab

Biochimica 1, Corso di Studio in Biologia, 32hrs practical lab

Biochimica 2, Corso di Studio in Biologia Molecolare, 24hrs frontal lessons +16hrs classroom exercises

AA 2016-2017

Chimica Organica e Biochimica, Corso di Studio in Scienze Naturali, 28hrs frontal lessons +8hrs practical lab

AA 2015-2016

Chimica Organica e Biochimica, Corso di Studio in Scienze Naturali, 28hrs frontal lessons +8hrs practical lab

AA 2014-2015

Biochimica, Corso di studio in Medicina Veterinaria, 63hrs practical lab

Supervising activity

Bachelor Thesis supervisor (Laurea Triennale in Molecular Biology; Biology)

Past Calciolari Beatrice; Capita Beatrice; Fabris Sara; Lombardi Silvia; Paveggio Elena; Peroni Federica; Pozzobon Francesca; Sartor Marta; Tadiello Martina; Toso Adelaide; Viviani Pietro; Zando'Riccardo; Zanetti Andrea; Zonta Laura.

Present Ciubara Valeria; Amorosi Elena Sofia; Girardi Aurora.

MSc Thesis supervisor (Degrees in Molecular Biology; Biology; Biotechnology)

2024-current Sonia Luciano

2024-current Alice Borsetto

2022-2023 Maria Sygius 2-month summer tranship (Erasmus+ Program)

2022-2023 Luca Signor

2022-2023 Enea Ticozzelli

2021-2022 Mariavittora Favaro

2020-2021 Anna-Azam Roshani Dashtmian

2020-2021 Fereshteh Babaei Darvishi
 2019-2020 Sofia Mauri
 2015-2016 Elena Marchesan
 2011-2012 Alice Nardin

PhD fellow supervisor (PhD School in Biosciences)

2023-current Mariavittoria Favaro
 2021-2024 Sofia Mauri
 2019-2022 Greta Bernardo
 2016-2019 Elena Marchesan
 2014-2017 Valentina Basso
 2013-2016 Alice Nardin

Postdoctoral fellow supervisor

2024-current Raffaele Montuoro
 2024-current Sofia Mauri
 2022-current Greta Bernardo
 2023-2024 Vivek Chander
 2020-2022 Elena Marchesan
 2015-2019 Sophia von Stockum
 2017-2019 Olivier Ek
 2015-2018 Joy Chakraborty (MSCA)
 2016-2017 Fernanda Cerqueira (EMBO)
 2016-2018 Alice Nardin

Institutional activity

2024-current Member of the School of Science Committee “Pari Opportunità”, University of Padua, Italy.
 2023-current Vice director of the Department of Biology, University of Padua, Padua, Italy.
 2023-current Member of the Departmental DiBio Committee (Giunta).
 2023-current Member of Commission, Bioscience PhD Program (Commissione Dottorato), Department of Biology, University of Padua.
 2021-current Member of the Faculty Board of the Bioscience PhD Program (Collegio Docenti Dottorato), Department of Biology, University of Padua.
 2020-current Member of Commission ”Orientamento e Tutorato”, Biology school, Department of Biology, University of Padua.
 2021-2023 "Segretario verbalizzante" for "Consiglio Corso di Studi" (CCS), Biology school, Department of Biology, University of Padua.
 2021-2023 Member of the Faculty Board "Terza Missione" for the advancing of entrepreneurship, public engagement, scientific research sharing and valorization.
 2017-2019 Member of Commission "Orari" for "Consiglio Corso di Studi" (CCS), Natural Science School, University of Padua.

Third Mission

2024 “Basta musei?! Viva i musei!” Open Science Lecture by Dr Massimo Bernardi, Botanical Garden Padua. Member of the organising committee.
 2023 “SLA Global Day” with AriSLA. Social Campaign participant (Video)
 2022 “Rare disease day” with AriSLA. Social Campaign participant (Interview and Poster).
 2021 “SLA: la ricerca, le sfide di oggi e gli scenari futuri”. ANSA incontra. Live streaming with ANSA journalist Manuela Correra. Participant and presenter.
 2021 “Organismi modello in biologia”. Summer Internship for high school students. Lecturer.
 2018 “Alternanza scuola-lavoro” (Open Labs at Dept. of Biology, UniPD). High school students (IV year) are invited to work in the lab for one week, and directly engaged in experiments running in the lab by following protocols, testing hypothesis, reporting and interpreting results. Hosting lab of high school student Miss Vendrame Rebecca.
 2016 VenetoNight (Padua). Italian edition of “The European Researchers' Night” that takes place every year all over Europe the same day. These events aim to spread scientific culture and knowledge of research among citizens of all ages through fun and challenging initiatives. Participant

Publications where I am first/last (**preeminent role**) are in blue:

- 1 *Usp14 inhibition enhances Parkin-independent mitophagy in iNeurons* (2024). Greta Bernardo, Miguel A Prado, Dashtmian R.A., Mariavittoria Favaro, Sofia Mauri, Alice Borsetto, Elena Marchesan, Joao A Paulo, Steve P Gygi, Daniel J Finley. **Elena Ziviani**. [Pharmacological Research 210, 107484](#)
- 2 *Efficient Prohibitin 2 exposure during mitophagy depends on Voltage-dependent anion-selective channel protein 1* (2024). Moumita Roy, Sumangal Nandy, Elena Marchesan, Chayan Banerjee, Rupsha Mondal, Federico Caicci, **Elena Ziviani**, Joy Chakraborty. [Autophagy DOI:10.1080/15548627.2024.2426116](#)
- 3 *Activation of Ca²⁺ phosphatase Calcineurin regulates Parkin translocation to mitochondria and mitophagy in flies* (2024). Elena Marchesan, Alice Nardin, Sofia Mauri, Greta Bernardo, Vivek Chander, Simone Di Paola, Monica Chinellato, Sophia von Stockum, Joy Chakraborty, Stephanie Herkenne, Valentina Basso, Emilie Schrepfer, Oriano Marin, Laura Cendron, Diego L Medina, Luca Scorrano, **Elena Ziviani**. [Cell Death & Differentiation 31 \(2\), 217-238](#)
- 4 *Usp14 down-regulation corrects sleep and circadian dysfunction of a Drosophila model of Parkinson's disease* (2024). Mariavittoria Favaro, Sofia Mauri, Greta Bernardo, Mauro A Zordan, Gabriella M Mazzotta, **Elena Ziviani**. [Frontiers in Neuroscience 18, 1410139](#)
- 5 *Human frataxin, the Friedreich ataxia deficient protein, interacts with mitochondrial respiratory chain* (2023). Davide Doni, Federica Cavion, Marco Bortolus, Elisa Baschiera, Silvia Muccioli, Giulia Tombesi, Federica d'Ettore, Daniele Ottaviani, Elena Marchesan, Luigi Leanza, Elisa Greggio, **Elena Ziviani**, Antonella Russo, Milena Bellin, Geppo Sartori, Donatella Carbonera, Leonardo Salviati, Paola Costantini. [Cell Death & Disease 14 \(12\), 805](#)
- 6 *USP8 Down-Regulation Promotes Parkin-Independent Mitophagy in the Drosophila Brain and in Human Neurons* (2023). Sofia Mauri, Greta Bernardo, Aitor Martinez, Mariavittoria Favaro, Marta Trevisan, Gael Cobraiville, Marianne Fillet, Federico Caicci, Alexander J Whitworth, **Elena Ziviani**. [Cells 12 \(8\), 1143](#)
- 7 *LRRK2 kinase activity regulates GCase level and enzymatic activity differently depending on cell type in Parkinson's disease* (2022). Kedariti, Emanuele Frattini, Pascale Baden, Susanna Cogo, Laura Civiero, **Elena Ziviani**, Gianluca Zilio, Federico Bertoli, Massimo Aureli, Alice Kaganovich, Mark R Cookson, Leonidas Stefanis, Matthew Surface, Michela Deleidi, Alessio Di Fonzo, Roy N Alcalay, Hardy Rideout, Elisa Greggio, Nicoletta Plotegher. [NPJ Parkinson's Disease 8 \(1\), 92](#)
- 8 *Retinoic acid-induced 1 gene haploinsufficiency alters lipid metabolism and causes autophagy defects in Smith-Magenis syndrome* (2022). Elisa Maria Turco, Angela Maria Giada Giovenale, Laura Sireno, Martina Mazzoni, Alessandra Cammareri, Caterina Marchioretti, Laura Goracci, Alessandra Di Veroli, Elena Marchesan, Daniel D'Andrea, Antonella Falconieri, Barbara Torres, Laura Bernardini, Maria Chiara Magnifico, Alessio Paone, Serena Rinaldo, Matteo Della Monica, Stefano D'Arrigo, Diana Postorivo, Anna Maria Nardone, Giuseppe Zampino, Roberta Onesimo, Chiara Leoni, Federico Caicci, Domenico Raimondo, Elena Binda, Laura Trobiani, Antonella De Jaco, Ada Maria Tata, Daniela Ferrari, Francesca Cutruzzolà, Gianluigi Mazzoccoli, **Elena Ziviani**, Maria Pennuto, Angelo Luigi Vescovi, Jessica Rosati. [Cell Death & Disease 13 \(11\), 981](#)
- 9 *Mitochondrial autophagy in the sleeping brain* (2022). Sofia Mauri, Mariavittoria Favaro, Greta Bernardo, Gabriella M Mazzotta, **Elena Ziviani**. [Frontiers in Cell and Developmental Biology 10, 956394](#)
- 10 *Boosting mitochondrial health to counteract neurodegeneration* (2022). Johannes Burtscher, Mario Romani, Greta Bernardo, Traian Popa, **Elena Ziviani**, Friedhelm C Hummel, Vincenzo Sorrentino, Gregoire P Millet. [Progress in Neurobiology 215, 102289](#)

- 11 *Loss of Fis1 impairs proteostasis during skeletal muscle aging in Drosophila* (2021). Tai-Ting Lee, Po-Lin Chen, Matthew P Su, Jian-Chiuan Li, Yi-Wen Chang, Rei-Wen Liu, Hsueh-Fen Juan, Jinn-Moon Yang, Shih-Peng Chan, Yu-Chen Tsai, Sophia von Stockum, **Elena Ziviani**, Azusa Kamikouchi, Horng-Dar Wang, Chun-Hong Chen. [Aging Cell 20 \(6\), e13379](#)
- 12 *Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)* (2021). DJ Klionsky, AK Abdel-Aziz, S Abdelfatah, M Abdellatif, A Abdoli, S Abel, ...**Elena Ziviani**...Chun-Kit Tong. [Autophagy 17 \(1\), 1-382](#)
- 13 *A new target for an old DUB: UCH-L1 regulates mitofusin-2 levels, altering mitochondrial morphology, function and calcium uptake* (2020). Fernanda M Cerqueira, Sophia von Stockum, Marta Giacomello, Inna Goliand, Pamela Kakimoto, Elena Marchesan, Diego De Stefani, Alicia J Kowaltowski, **Elena Ziviani**, Orian S Shirihai. [Redox biology 37, 101676](#)
- 14 *Investigating mitochondrial autophagy by routine transmission electron microscopy: Seeing is believing?* (2020). Joy Chakraborty, Federico Caicci, M Roy, **Elena Ziviani**. [Pharmacological Research 160, 105097](#)
- 15 *Deubiquitinating enzymes in Parkinson's disease* (2020). Joy Chakraborty, **Elena Ziviani**. [Frontiers in Physiology 11, 535](#)
- 16 *Developmental and tumor angiogenesis requires the mitochondria-shaping protein Opa1* (2020). Stéphanie Herkenne, Olivier Ek, Margherita Zamberlan, Anna Pellattiero, Maya Chergova, Iñigo Chivite, Eliška Novotná, Giovanni Rigoni, Tiago Branco Fonseca, Dijana Samardzic, Andrielly Agnellini, Camilla Bean, Giulietta Di Benedetto, Natascia Tiso, Francesco Argenton, Antonella Viola, Maria Eugenia Soriano, Marta Giacomello, **Elena Ziviani**, Gabriele Sales, Marc Claret, Mariona Graupera, Luca Scorrano. [Cell metabolism 31 \(5\), 987-1003. e8](#)
- 17 *A trio has turned into a quartet: DJ-1 interacts with the IP3R-Grp75-VDAC complex to control ER-mitochondria interaction* (2020). Valentina Basso, Elena Marchesan, **Elena Ziviani**. [Cell Calcium 87, 102186](#)
- 18 *Comprehensive genetic characterization of mitochondrial Ca²⁺ uniporter components reveals their different physiological requirements in vivo* (2019). Roberta Tufi, Thomas P Gleeson, Sophia von Stockum, Victoria L Hewitt, Juliette J Lee, Ana Terriente-Felix, Alvaro Sanchez-Martinez, **Elena Ziviani**, Alexander J Whitworth. [Cell reports 27 \(5\), 1541-1550. e5](#)
- 19 *Alpha-synuclein preserves mitochondrial fusion and function in neuronal cells* (2019). Gaia Faustini, Elena Marchesan, Laura Zonta, Federica Bono, Emanuela Bottani, Francesca Longhena, **Elena Ziviani**, Alessandra Valerio, Arianna Bellucci. [Oxidative medicine and cellular longevity 2019 \(1\), 4246350](#)
- 20 *Inhibition of the deubiquitinase USP8 corrects a Drosophila PINK1 model of mitochondria dysfunction* (2019). Sophia von Stockum, Alvaro Sanchez-Martinez, Samantha Corrà, Joy Chakraborty, Elena Marchesan, Lisa Locatello, Caterina Da Rè, Paola Cusumano, Federico Caicci, Vanni Ferrari, Rodolfo Costa, Luigi Bubacco, Maria Berica Rasotto, Ildiko Szabo, Alexander J Whitworth, Luca Scorrano, **Elena Ziviani**. [Life Science Alliance 2 \(2\)](#)
- 21 *Regulation of ER-mitochondria contacts by Parkin via Mfn2* (2018). Valentina Basso, Elena Marchesan, Caterina Peggion, Joy Chakraborty, Sophia von Stockum, Marta Giacomello, Denis Ottolini, Valentina Debattisti, Federico Caicci, Elisabetta Tasca, Valentina Pegoraro, Corrado Angelini, Angelo Antonini, Alessandro Bertoli, Marisa Brini, **Elena Ziviani**. [Pharmacological Research 138, 43-56](#)

- 22 *USP14 inhibition corrects an in vivo model of impaired mitophagy* (2018). Joy Chakraborty, Sophia von Stockum, Elena Marchesan, Federico Caicci, Vanni Ferrari, Aleksandar Rakovic, Christine Klein, Angelo Antonini, Luigi Bubacco, **Elena Ziviani**. [EMBO Molecular Medicine 10 \(11\), e9014](#)
- 23 *Mitochondrial quality control beyond PINK1/Parkin* (2018). Sofia von Stockum, Elena Marchesan, **Elena Ziviani**. [Oncotarget 9 \(16\), 12550](#)
- 24 *Post translational modification of Parkin* (2017). Joy Chakraborty, Valentina Basso, **Elena Ziviani**. [Biology direct 12, 1-11](#)
- 25 *Cell biology: The organelle replication connection* (2016). **Elena Ziviani**, Luca Scorrano. [Nature 538 \(7625\), 326-327](#)
- 26 *Mitochondrial dynamics and mitophagy in Parkinson's disease: A fly point of view* (2016). Sofia Von Stockum, Alice Nardin, Emilie Schrepfer, **Elena Ziviani**. [Neurobiology of disease 90, 58-67](#)
- 27 *Counteracting PINK/Parkin deficiency in the activation of mitophagy: a potential therapeutic intervention for Parkinson's disease* (2016). Alice Nardin, Emilie Schrepfer, **Elena Ziviani**. [Current neuropharmacology 14 \(3\), 250-259](#)
- 28 *Parkinsonian toxin-induced oxidative stress inhibits basal autophagy in astrocytes via NQO2/quinone oxidoreductase 2: Implications for neuroprotection* (2015). Elzbieta Janda, Antonella Lascala, Cristina Carresi, Maddalena Parafati, Serafina Aprigliano, Vanessa Russo, Claudia Savoia, **Elena Ziviani**, Vincenzo Musolino, Federica Morani, Ciro Isidoro, Vincenzo Mollace. [Autophagy 11 \(7\), 1063-1080](#)
- 29 *Genome-wide RNAi screen identifies the Parkinson disease GWAS risk locus SREBF1 as a regulator of mitophagy* (2014). Rachael M Ivatt, Alvaro Sanchez-Martinez, Vinay K Godena, Stephen Brown, **Elena Ziviani**, Alexander J Whitworth. [Proceedings of the National Academy of Sciences 111 \(23\), 8494-8499](#)
- 30 *Reduction of endoplasmic reticulum stress attenuates the defects caused by Drosophila mitofusins depletion* (2014). Valentina Debattisti, Diana Pendin, **Elena Ziviani**, Andrea Daga, Luca Scorrano. [Journal of Cell Biology 204 \(3\), 303-312](#)
- 31 *In epilepsy, BAD is not really bad* (2012). **Elena Ziviani**, Luca Scorrano. [Neuron 74 \(4\), 600-602](#)
- 32 *Ryanodine receptor-2 upregulation and nicotine-mediated plasticity* (2011). **Elena Ziviani**, Giordano Lippi, Daniele Bano, Eliana Munarriz, Stefania Guiducci, Michele Zoli, Kenneth W Young, Pierluigi Nicotera. [The EMBO Journal 30 \(1\), 194-204](#)
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