

**Name:** Elena Ziviani  
**Citizenship:** Italian  
**Work address:** Dept. of Biology  
University of Padova  
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Email: elena.ziviani@unipd.it  
**Languages:** Italian, English

**Education:**

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

**Research and Professional Experience:**

2014-present Assistant Professor, Department of Biology, University of Padova, Italy  
2012-2014 *Boursieres d'Excellence, Marie Curie Action Fellow.* Faculté de médecine de Genève, University of Geneva, Switzerland  
2011-2012 *Boursieres d'Excellence, EMBO long term Fellow.* Faculté de médecine de Genève, University of Geneva, Switzerland  
2007-2011 *Post Doctoral scientist.* Medical Research Council (MRC), Centre for developmental and biomedical genetics. UK, Sheffield. (Neuroscience, Prof. A. Whitworth).  
2006-2007 *Post Doctoral scientist.* Medical Research Council (MRC), Toxicology Unit. UK, Leicester. (Neuroscience, Prof. P. Nicotera).  
2001-2006 *PhD Student.* Medical Research Council (MRC), Toxicology Unit. UK, Leicester. (Neuroscience, Prof. P. Nicotera).  
2000-2001 *Internship Student.* Department of Histology Microbiology and Medical Biotechnologies. University of Padua, Italy (Development, Prof. S. Piccolo).

**Awarded Fellowships:**

Feb 2012-2014 Marie Curie Action  
Feb 2011-Feb 2012 EMBO Long Term  
Sept 2006-Sept2007 MRC Special Award for outstanding contribution to the work of the MRC Toxicology Unit over the year 2006.

**Research Support:**

2015-2016 Michael J Fox Foundation, RRIA (Co-PI; 125,000 \$)  
2014-2015 Michael J Fox Foundation, RRIA (PI; 75,000 \$)  
2014-2017 "Brain Gain" grant, Italian Ministry of Health (PI; 232,000 €)  
2014-2017 "Ricerca Finalizzata" grant, Italian Ministry of Health (PI; 342,088 €)  
2015-2017 Marie Curie- Padova University co- funded program (PISCOPIA program), which was granted to Dr Joy Chakraborty, former post doc in Ziviani lab (Supervisor; 73,218€)  
2015-2017 Grant to cover a 2-years Junior postdoctoral fellowship, University of Padova

- (40,000€).
- 2015-2016 Ricerca Scientifica fondi quota EX 60% Anno 2015 (PI, 3291€). Anno 2016 (PI, 4569€)
- 2013-2014 Parkinson Schweiz grant for the promotion of scientific Parkinson's Research (PI; 25,000 CHF)

### **Graduate Students and researcher supervision:**

- 2015-Present Dr Sophia Von Stockum, *Post Doctoral scientist*, Department of Biology, University of Padova, Italy.  
Dr Joy Chakraborty, Marie Curie-University of Padova co-funded (Piscopia program) *Post Doctoral Fellow*, Department of Biology University of Padova, Italy.  
Dr Olivier Ek, *Junior Post doctoral Fellow*, Department of Biology, Co-Funded Ateneo-Leducq.
- 2014-Present Miss Valentina Basso, *PhD Student*, University of Padova, Padova, Italy
- 2013-Present Miss Alice Nardin, *PhD Student*, University of Padova, Padova, Italy.
- 2015-Present Miss Elena Marchesan, internship student, Department of Biology, University of Padova, Italy.
- 2011-2012 Miss Alice Nardin, *Master Student*, Faculté de médecine de Genève, University of Geneva, Switzerland.
- 2008-2011 Miss Rachael Ivatt, *PhD Student*, MRC Centre for developmental and biomedical genetics, University of Sheffield, UK.
- 2010 Miss Imbisaat Geti, *Master Student*, MRC Centre for developmental and biomedical genetics, University of Sheffield, UK.

### **Review Editor:**

Frontiers in Cellular Neuroscience, Biology Direct

### **Regular Reviewer activity:**

Cell Death and Differentiation  
Cell Death and Disease  
Physiological Genomics  
The Journal of Neuroscience

### **Grant reviewing activity**

- 2016 Ad hoc peer review, Michael J. Fox foundation  
2016 Ad hoc peer review, Parkinson's UK

### **Invited Lectures at international congresses:**

- 2015 Autophagy signalling and progression in death and disease, Chia (Italy)  
"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 "Cell Dynamics and Disease" 6<sup>th</sup> Munster Graduate School Meeting 2012, Munster (Germany).  
SINN, XIV congress of the Italian Society for Neuroscience, Catania (Italy).

### **Invited Presentations:**

- 2012 Host: Professor T. Pozzan, V.I.M.M. – Venetian Institute of Molecular Medicine, Padova,

Italy. Seminar title: *“Parkin and Mitofusin in neurodegeneration: to tether or not to tether?”*.

2011 Host: Professor K. Winklhofer, DZNE – German Center for Neurodegenerative Diseases, Munich, Germany. Seminar title: *“Regulation of mitochondria-endoplasmic reticulum tethering by Parkin via ubiquitination of Mitofusin”*.

Host: Professor Christos Kittas, Kick-off meeting, INSPiRE, Athens. *“Mitochondrial dynamics in physiology and disease”*.

2010 Host: Professor T. Langer, Institute for Genetics, University of Cologne, Germany. Seminar title: *“Parkinson’s disease-associated PINK1/Parkin pathway and its role in mitophagy”*.

#### **Poster Presentations/ International Congresses attendance:**

2013 Third World Parkinson’s Congress, Montreal, Canada. Poster Title: *“Balanced ubiquitination and deubiquitination of MFN regulates mitophagy and affects cell viability”*.

2012 Mitochondrial Trafficking and Function in Neuronal Health and Disease. The Joseph B. Martin Conference Center at Harvard Medical School, Boston, USA. Poster Title: *“Regulation of mitochondria-endoplasmic reticulum tethering by Parkin: implication for Parkinson’s Disease”*.

2011 Mitochondrial Dynamics: from Mechanism to Disease. Chia Laguna Resort, Chia, Italy.

Barcelona BioMed Conferences. Mitochondrial autophagy. BBVA Foundation-IRB Barcelona, Barcelona, Spain.

2009 Gordon Research Conference. Molecular and Cellular Bioenergetics, Andover, USA. Poster title: *“Parkinson related Pink1 and Parkin pathway regulates pro fusion protein Mfn ubiquitination and its stability”*.

2008 Parkinson Disease Society Research Conference, York, UK. Poster title: *“Parkinson related Pink1 and Parkin pathway and its role in mitochondria fission and fusion”*.

2006 1<sup>st</sup> workshop on the immune response against dying tumor cells (ECDO), Villejuif, Paris, France. Poster title: *“Nicotinic acetylcholine receptors activation and downstream signalling in neurons”*.

14<sup>th</sup> euroconference on apoptosis (ECDO), Chia, Sardinia, Italy. Poster title: *“Long term effect of nicotinic acetylcholine receptor activation and downstream signalling in neurons”*.

5<sup>th</sup> Forum of European Neuroscience. The Federation of the European Neuroscience Society (FENS), Vienna, Austria.

2002 VI Workshop in Biology and Medicine. Role of proinflammatory and chemotactic cytokines in normal and pathological brain, Hotel Porto Pargos, Parghelia, Italy. Poster title: *“Protective pathway in neuronal cell death: role of Nicotinic Acetylcholine Receptors.”*

#### **Additional Training and professional courses**

Career development fellowship induction

Writing project proposal

Writing scientific papers and reports