

## Selected Peer-reviewed Publications

### Research Articles

1. [Mitochondrial quality control beyond PINK1/Parkin.](#)  
von Stockum S, Marchesan E, **Ziviani E.**  
*Oncotarget.* 2018 9:12550-12551.
2. Postranslational modification of Parkin.  
Chakraborty J., Basso V. and **Ziviani E.**  
**Biology Direct.** Accepted. (2017)
3. The organelle replication connection  
**Ziviani E.** and Scorrano L.  
**Nature.** 538:326-327. (2016)
4. Mitochondrial dynamics and mitophagy in Parkinson's disease: A fly point of view.  
Stockum S, Nardin A, Schrepfer E, **Ziviani E.**  
**Neurobiol Dis.** 90:58-67. (2016)
5. Counteracting PINK/Parkin deficiency in the activation of mitophagy: a potential therapeutic intervention for Parkinson's Disease.  
Nardin A, Schrepfer E, **Ziviani E.**  
**Curr Neuropharmacol.** 14:250-9. (2016)
6. Parkinsonian toxin-induced oxidative stress inhibits basal autophagy in astrocytes via NQO2/quinone oxidoreductase 2: Implications for neuroprotection.  
Janda E, Lascala A, Carresi C, Parafati M, Aprigliano S, Russo V, Savoia C, **Ziviani E,** Musolino V, Morani F, Isidoro C, Mollace V.  
**Autophagy.** 11:1063-80 (2015)
7. Genome-wide RNAi screen identifies the Parkinson disease GWAS risk locus SREBF1 as a regulator of mitophagy.  
Ivatt RM, Sanchez-Martinez A, Godena VK, Brown S, **Ziviani E,** Whitworth AJ.  
**Proc Natl Acad Sci U S A.** 111:8494-9. (2014)
8. Reduction of endoplasmic reticulum stress attenuates the defects caused by Drosophila mitofusins depletion.  
Debattisti V, Pendin D, **Ziviani E,** Daga A, Scorrano L.  
**J Cell Biol.** 204:303-12. (2014)
9. In Epilepsy, BAD is not really bad.  
**Ziviani E** and Scorrano L  
**Neuron.** 74:600-2. (2012)
10. [Ryanodine receptor-2 upregulation and nicotine-mediated plasticity.](#)  
**Ziviani E,** Lippi G, Bano D, Munarriz E, Guiducci S, Zoli M, Young KW, Nicotera P.  
**EMBO J.** 30:194-204. (2011)
11. Analysing the role of the PINK1/Parkin pathway in Mitophagy  
Rachael I, **Ziviani E** and Whitworth AJ.  
**Journal of Neurogenetic.** 24: 57-57. (2010)
12. [How could Parkin-mediated ubiquitination of mitofusins promote mitophagy?](#)  
**Autophagy.** 6:660-2. (2010)
13. Drosophila Parkin requires PINK1 for mitochondrial translocation and ubiquitinates Mitofusins  
**Ziviani E,** Tao RN, Whitworth AJ.  
**Proc Natl Acad Sci U S A.** 107:5018-23. (2010)
14. Modulation of mitochondrial function and morphology by interaction of Omi/HtrA2 with the mitochondrial fusion factor OPA1

Kira M. Holmström, Nicole Kieper, Dalila Ciceri, Fabienne C. Fiesel, Ziviani E, Alexander J. Whitworth, Hartwig Wolburg, L. Miguel Martins, Philipp J. Kahle, Rejko Krüger

**Exp Cell Res.** 316:1213-24. (2010)

15. Rapamycin activation of 4E-BP prevents parkinsonian dopaminergic neuron loss

Tain LS, Mortiboys H, Ziviani E, Tao RN, Bandmann O, Whitworth AJ.

**Nat Neurosci.** 12:1129-35. (2009)

16. The plasma membrane Na<sup>+</sup>/Ca<sup>2+</sup> exchanger is cleaved by distinct protease families in neuronal cell death.

Bano D, Munarriz E, Chen HL, Ziviani E, Lippi G, Young KW, Nicotera P.

**Ann N Y Acad Sci.** 1099:451-5. (2007)