

## Curriculum vitae

### *Personal data*

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Full name: Zoi ERPAPAZOGLOU

Nationality: Greek

### *Education*

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- 2007 PhD in Molecular and Cellular Biology, Department of Biology, National and Kapodistrian University of Athens, Greece  
Title: "Study of the secretory and endocytic pathways of amino acid transporters in the filamentous fungus *Aspergillus nidulans*"  
Supervisor: Dr Vassiliki Sophianopoulou, National Centre for Scientific Research "Demokritos", Athens, Greece
- 2000 Bachelor in Biology, Department of Biology, National and Kapodistrian University of Athens, Greece

### *Current position*

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- 12/2018-present **ELIDEK fellow** in the Institute of Immunology, Biomedical Sciences Research Center "Alexander Fleming", Vari, Greece  
Principal Investigator: Dr Panagiota Kafasla

### *Previous positions*

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- 04/2013-08/2017 Post-doctoral researcher at the Brain and Spine Institute  
Hôpital Pitié-Salpêtrière, CNRS, Inserm, Université Pierre et Marie Curie Paris 6, Paris, France  
Principal Investigator: Dr Olga Corti  
Funded by Servier, Amabiotics and Joint Translational Call 2015 for Epigenomics of Complex Diseases grants
- 12/2010-10/2012 Post-doctoral researcher at Institut de Biologie Physico-Chimique  
CNRS, Université Pierre et Marie Curie Paris 6, Paris, France  
Principal Investigator: Dr Mickaël Cohen  
Funded by ATIP grant
- 11/2006-11/2010 Post-doctoral researcher at Institut Jacques Monod  
CNRS, Université Denis Diderot Paris 7, Paris, France  
Principal Investigator: Dr Rosine Haguenaue-Tsapis  
Funded by Marie Curie post-doctoral fellowship and FP6 Network of Excellence "Rubicon"
- 03/2001-03/2006 PhD fellow  
National Centre for Scientific Research "Demokritos", Athens, Greece  
Principal Investigator: Dr Vassiliki Sophianopoulou  
Funded by "Demokritos" PhD fellowship
- 09/2000-02/2001 Biologist  
National Centre for Scientific Research "Demokritos", Athens, Greece  
Principal Investigator: Dr Vassiliki Sophianopoulou  
Funded by Demoerevna 99-01 grant

1. Cavellini L, Meurisse J, Findinier J, **Erpapazoglou Z**, Belgareh-Touzé N, Weissman AM, and Cohen MM. 2017. An ubiquitin-dependent balance between mitofusin turnover and fatty acids desaturation regulates mitochondrial fusion. *Nat Commun.* 8:15832.
2. **Erpapazoglou Z**, Mouton-Liger F, and Corti O. 2017. From dysfunctional endoplasmic reticulum-mitochondria coupling to neurodegeneration. *Neurochem Int.* 109:171-83.
3. **Erpapazoglou Z\***, Gautier CA\*, Mouton-Liger F, Muriel M-P, Cormier F, Bigou S, Duffaure S, Girard M, Foret B, Iannielli A, Broccoli V, Bohl D, Dalle C, Michel PP, Corvol J-C, Brice A, and Corti O. 2016. The endoplasmic reticulum-mitochondria interface is perturbed in *PARK2* KO mice and patients with *PARK2* mutations. *Hum Mol Genet.* 25(14):2972-84. (\* equal contribution)
4. Lesage S, Drouet V, Majounie E, Deramecourt V, Jacoupy M, Nicolas A, Cormier-Dequaire F, Pujol C, Ciura S, **Erpapazoglou Z**, Usenko T, Maurage C-A, Sahbatou M, Liebau S, Ding J, Bilgic B, Emre M, Erginel-Unaltuna N, Guven G, Tison F, Tranchant C, Vidailhet M, Corvol J-C, Krack P, Leutenegger A-L, Nalls MA, Hernandez DG, Heutink P, Gibbs JR, Hardy J, Wood NW, Gasser T, Durr A, Deleuze J-F, Tazir M, Destee A, Lohmann E, Kabashi E, Singleton A, Corti O, and Brice A. 2016. VPS13C mutations and autosomal recessive early-onset parkinsonism: a novel relationship to PINK1/Parkin-dependent mitochondrial quality control? *Am J Hum Genet.* 98(3):500-13.
5. **Erpapazoglou Z**, and Corti O. 2015. The endoplasmic reticulum/mitochondria interface: a subcellular platform for the orchestration of the functions of the PINK1/Parkin pathway? *Biochem Soc Trans.* 43(2):297-301.
6. **Erpapazoglou Z**, Walker O, and Haguenaue-Tsapis R. 2014. Versatile roles of K63-linked ubiquitin chains in trafficking. *Cells.* 3(4):1027-88.
7. Livnat-Levanon N, Kevei E, Kleifeld O, Krutauz D, Segref A, Rinaldi T, **Erpapazoglou Z**, Cohen M, Reis N, Hoppe T, and Glickman MH. 2014. Reversible 26S proteasome disassembly upon mitochondrial stress. *Cell Rep.* 7(5):1371-80.
8. Vindigni JD, Wien F, Giuliani A, **Erpapazoglou Z**, Tache R, Jagic F, Chardot T, Gohon Y, Froissard M. 2013. Fold of an oleosin targeted to cellular oil bodies. *Biochim Biophys Acta.* 1828(8):1881-8.
9. Kanga S, Bernard D, Mager-Heckel A-M, **Erpapazoglou Z**, Mattioli F, Sixma TK, Urban-Grimal D, Tarassov I, Haguenaue-Tsapis R. 2012. A deubiquitylating complex required for neosynthesis of a yeast mitochondrial ATP synthase subunit. *PLoS One.* 7(6):e38071.
10. **Erpapazoglou Z**, Dhaoui M, Pantazopoulou M, Giordano F, Mari M, Léon S, Raposo G, Reggiori F, Haguenaue-Tsapis R. 2012. A dual role for K63-linked ubiquitin chains in MVB biogenesis and sorting. *Mol Biol Cell.* 23(11):2170-83.
11. Ziv I, Matiuhin Y, Kirkpatrick DS, **Erpapazoglou Z**, Leon S, Pantazopoulou M, Kim W, Gygi SP, Haguenaue-Tsapis R, Reis N, Glickman MH, Kleifeld O. 2011. A perturbed ubiquitin landscape distinguishes between ubiquitin in trafficking and in proteolysis. *Mol Cell Proteomics.* 10(5):M111.009753.
12. Lauwers E, **Erpapazoglou Z**, Haguenaue-Tsapis R, André B. 2010. The ubiquitin code of yeast permease trafficking. *Trends Cell Biol.* 20(4):196-204.
13. Apostolaki A, **Erpapazoglou Z**, Harispe L, Billini M, Kafasla P, Kizis D, Peñalva M, Scazzocchio C, Sophianopoulou V. 2009. AgtA, the dicarboxylic amino acid transporter of *Aspergillus nidulans*, is concertedly down-regulated by exquisite sensitivity to nitrogen metabolite repression and ammonium-elicited endocytosis. *Eukaryot Cell.* 8(3):339-52.
14. Belgareh-Touzé N, Léon S, **Erpapazoglou Z**, Stawiecka-Mirota M, Urban-Grimal D, and Haguenaue-Tsapis R. 2008. Versatile role of the yeast ubiquitin ligase Rsp5p in intracellular trafficking. *Biochem Soc Trans.* 36:791-6.

15. **Erpapazoglou Z**, Froissard M, Nondier I, Lesuisse E, Haguenaer-Tsapis R, Belgareh-Touzé N. 2008. Substrate- and ubiquitin-dependent trafficking of the yeast siderophore transporter Sit1. *Traffic*. 9(8):1372-91.
16. Léon S, **Erpapazoglou Z**, Haguenaer-Tsapis R. 2008. Ear1p and Ssh4p are new adaptors of the ubiquitin ligase Rsp5p for cargo ubiquitylation and sorting at multivesicular bodies. *Mol Biol Cell*. 19(6):2379-88.
17. **Erpapazoglou Z**, Kafasla P, Sophianopoulou V. 2006. The product of the *SHR3* orthologue of *Aspergillus nidulans* has restricted range of amino acid transporter targets. *Fungal Genet Biol*. 43(4):222-33.

#### *Teaching experience*

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| Since 2005 | Supervision of 10 pre-graduate or post-graduate students (supervision in planning and performing the experiments, preparing the report and oral presentation) |
| 2018       | Histology courses, pre-graduate level, Conservatoire Supérieur d'Ostéopathie, Nanterre, France  |
| 2011       | Cell Biology practical courses, pre-graduate level, Université Denis Diderot Paris 7, Paris, France   |
| 2008/2010  | Cell Biology practical courses, master level, Cours Monod Diderot, Institut Jacques Monod, Paris, France  |

#### *Fellowships-Grants*

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| 2018 | Grant from the Hellenic Foundation for Research and Innovation (ELIDEK, 3 years, 180 k€) |
| 2013 | Funding renewal from Fondation de France (1 year, 30 k€)                                 |
| 2007 | Marie Curie Post-doctoral fellowship (2 years)   |
| 2001 | PhD fellowship from National Centre for Scientific Research "Demokritos" (4 1/2 years)   |
| 1995 | Pre-graduate fellowship from the National and Kapodistrian University of Athens          |

#### *Participations in research projects and collaborations*

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| 2016-17 | Joint Translational Call 2015 for Epigenomics of Complex Diseases<br><i>"Decipher the complexity and plasticity of epigenomic characteristics under influence of environmental factors in the pathomechanistic regulation of Parkinson's disease"</i> |
| 2016-17 | The Big Brain Theory Program 2015, Internal Research ICM funding<br><i>"Linking non-coding elements to Parkinson's disease"</i>   |
| 2015    | Collaboration with the company Amabiotics<br><i>"Evaluation de la neuroprotection et de l'aide à la fonction mitochondriale d'une molécule extraite du microbiote"</i>  |
| 2013-15 | Collaboration with the company Servier<br><i>"Characterization of the role of PINK1/Parkin in the control of mitochondrial protein import in relation to Parkinson's disease and other neurodegenerative disorders"</i>                               |
| 2013-14 | Fondation de France N° Engt : 2012-00034508<br><i>"La machinerie d'import mitochondriale TOM et l'interface mitochondrie-réticulum endoplasmique: nouveaux acteurs de la voie PINK1/Parkine dans la régulation de la physiologie mitochondriale?"</i> |
| 2007-10 | FP6 Network of Excellence "Rubicon"   |
| 2009    | Visitor in the group of Dr Titia Sixma, Nederlands Kanker Instituut, Amsterdam, Netherlands   |
| 2007-09 | Marie Curie FP6 Research Training Network "UbiRegulators"   |
| 11/2001 | Visitor in the group of Prof Harry de Koning, University of Glasgow, United Kingdom   |
| 2000-01 | Demoerevna 99-01  |

*“Study of the mechanisms involved in the transport, of nucleobases and amino acids through the plasma membrane, by the function of specific transmembrane transporters”*

*Organization of scientific meetings*

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2010 Rubicon International Workshop “Role of various types of ubiquitin chains in membrane trafficking”, Institut Jacques Monod, Paris, France

2001 19<sup>th</sup> Small Meeting on Yeast Transport and Energetics, Chania, Greece