

# PHANEE MANGANAS

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## EDUCATION

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<b>Ph.D. in Biochemistry and Molecular Biology</b> University of Glasgow, Glasgow, UK	2013 – 2017
<b>M.Sc. in Molecular Biology and Biomedicine – Distinction (9.43/10)</b> University of Crete, Heraklion-Crete, GR	2011 – 2013
<b>B.Sc. in Biology (Specialisation: Biomolecular Sciences and Biotechnology) – 1<sup>st</sup> Class Honours Degree (8.93/10)</b> University of Crete, Heraklion-Crete, GR	2007 – 2011

## RESEARCH EXPERIENCE

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<b>Research assistant</b> Biology/Biofabrication team, Ultrafast Laser Micro- and Nano-Processing (ULMNP) Group, Institute of Electronic Structure and Laser, Foundation for Research and Technology – Hellas, Heraklion-Crete, GR	09/2018 –
<b>Areas of interest:</b> <ul style="list-style-type: none"><li>◆ Biocompatibility assessment of micro- and nano-patterned surfaces</li><li>◆ Molecular and biochemical characterisation of cellular responses on micro- and nano-patterned surfaces</li><li>◆ Study of <i>in vitro</i> myelination</li></ul>	
<b>Ph.D. thesis</b> Institute of Molecular, Cell and Systems Biology, University of Glasgow, UK <i>Thesis:</i> “Oxidative regulation mechanisms in the mitochondrial intermembrane space”	07/2013 – 10/2017
<b>Duties and responsibilities:</b> <ul style="list-style-type: none"><li>◆ Supervision and training of undergraduate and MSc students</li><li>◆ Lab management (lab organization, COSHH forms, internal and external ordering)</li><li>◆ Presentation of research findings at lab, research group and institute meetings, as well as international conferences</li></ul>	
<b>M.Sc. thesis</b> Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology – Hellas (IMBB-FORTH), Heraklion-Crete, GR <i>Thesis:</i> “The role of Gpx3 and H <sub>2</sub> O <sub>2</sub> in the oxidative folding process in the mitochondrial intermembrane space (IMS)”	10/2012 – 06/2013
<b>B.Sc. thesis</b> Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology – Hellas (IMBB-FORTH), Heraklion-Crete, GR <i>Thesis:</i> “Study of the effect of Fir1 and Ubc9 on the transcriptional regulation of specific genes in <i>S. cerevisiae</i> ”	02/2010 – 07/2011

## OTHER EXPERIENCE

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- Administrative Assistant** 09/2018  
NanoBio Conference 2018, Heraklion-Crete, GR  
*Duties and responsibilities:*
- ♦ Assistance with the preparation of the abstract book, the setting up and distribution of conference brochures and handouts, conference registration and poster session supervision
- Administrative Assistant** 11/2017  
Clinical and Translational Oncology Conference 2017, Heraklion-Crete, GR  
*Duties and responsibilities:*
- ♦ Assistance with the setting up and distribution of conference brochures and handouts, conference registration and conference room supervision
- Organising Committee Member for the PGR/PDRA Internal Seminar Series** 08/2015 – 06/2016  
Institute of Molecular, Cell and Systems Biology, University of Glasgow, Glasgow, UK  
*Duties and responsibilities:*
- ♦ Liaising with the postgraduate research students (PGRs) and post-doctoral research assistants (PDRAs) to arrange details for the presentation of their research findings to members of the Institute
  - ♦ Liaising with the University to organize room bookings
  - ♦ Organisation of the catering for each seminar
- Administrative Assistant** 10/2015  
Mitochondria in Life, Death and Disease Conference 2017, Fodele, GR  
*Duties and responsibilities:*
- ♦ Assistance with conference room and poster session set-up and supervision

## PUBLICATIONS

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1. **Manganas P.**, MacPherson, L. & Tokatlidis, K., Oxidative protein biogenesis and redox regulation in the mitochondrial intermembrane space. *Cell Tissue Res.* (2017); 367(1):43-57. doi: 10.1007/s00441-016-2488-5
2. Nuebel, E., **Manganas, P.** & Tokatlidis K., Orphan proteins of unknown function in the mitochondrial intermembrane space proteome: new pathways and metabolic cross-talk. *Biochim Biophys Acta.* (2016); 1863(11):2613-2623. doi: 10.1016/j.bbamcr.2016.07.004.
3. Chatzi, A., **Manganas, P.** & Tokatlidis, K., Oxidative folding in the mitochondrial intermembrane space: A regulated process important for cell physiology and disease. *Biochim Biophys Acta* (2016); 1863(6 Pt A):1298-306. doi: 10.1016/j.bbamcr.2016.03.023.

## CONFERENCES

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- NanoBio 2018**, Heraklion-Crete, GR 09/2018
- Mitochondria in Life, Death and Disease**, Fodele, GR 10/2015  
*Poster title:* "Import and function of the yeast Trx1/Trr1 in the mitochondrial intermembrane space"
- 4<sup>th</sup> SULSA Young Scientists' Event (YSE)**, Edinburgh, UK 09/2014  
2nd prize in the "Visualising a Scientific Publication" competition

<b>Redox Regulation in Health and Disease- a 50 year celebration of the Keilin Memorial Lecture, Edinburgh, UK</b>	03/2014
<i>Poster title:</i> "Function and regulation of small redox molecules in the mitochondrial intermembrane space"	
<b>63rd Congress of the Hellenic Society for Biochemistry and Molecular Biology, Heraklion, Greece</b>	11/2012
<b>Onassis Foundation 2012 Lectures in Biology: A World of RNAs, Foundation of Technology and Research, Heraklion, Greece</b>	07/2012
<b>Seminar in Biology and Medicine, Bodossaki Foundation, Brauron, Attica, Greece</b>	09/2011

## **TECHNICAL SKILLS**

- ◆ Able to handle bacteria, yeast and eukaryotic cell lines
- ◆ Radiation Protection Certificate
- ◆ Standard molecular cloning techniques (primer design, PCR, mutagenesis, cloning)
- ◆ Protein expression and purification, electrophoresis, western blotting (LI-COR Odyssey CLx)
- ◆ Protein-protein interactions, immunoprecipitation
- ◆ Immunostaining
- ◆ Cytotoxicity assays
- ◆ Cell fractionation, mitochondrial isolation

- ◆ Alkylation assays
- ◆ FPLC (GE ÄKTA Pure system)
- ◆ Flow cytometry (FACS)
- ◆ Fluorescence/Confocal microscopy

## **COMPUTER SKILLS**

- ◆ Microsoft Windows / MacOS X
- ◆ Microsoft Office Suite
- ◆ Adobe Photoshop/Illustrator
- ◆ Molecular Biology software (Vector NTI, SnapGene, Chromas, PDB Viewer)
- ◆ UNICORN software (GE ÄKTA Pure system)

## **ADDITIONAL INFORMATION**

### **PERSONAL SKILLS**

- ◆ Multitasker, highly organised with attention to detail
- ◆ Efficient, responsible, fast learner
- ◆ Able to work individually, as well as part of a team

### **LANGUAGES**

- ◆ English (Native speaker)
- ◆ Greek (Native speaker)
- ◆ German (Basic knowledge)

### **ACTIVITIES AND INTERESTS**

- ◆ Traditional Greek dance instructor at Glasgow Hellenic Dancers – Extensive knowledge of traditional Greek dances
- ◆ Volunteer translator for TED Talks
- ◆ Driving licence (Category B – Cars)