

Short Curriculum Vitae

Ioannis P. Trougakos, Ph.D.

Dr. Ioannis Trougakos obtained his Ph.D. in Cellular & Developmental Biology from the National & Kapodistrian University of Athens (NKUA), Greece. He has worked as Research Scientist at EMBL, Germany, at the Centro De Biologia Molecular "Severo Ochoa", Spain and at the National Hellenic Research Foundation (NHRF), Athens, Greece. He was also a research visitor at EMBL (genome-wide microarrays) and at the Netherlands Cancer Institute (NKI-AVL) (protein purification and crystallography). He was elected Research Lecturer at NHRF and recently (June, 2009) was appointed Assistant Professor at the Department of Cell Biology & Biophysics, Faculty of Biology, NKUA, where he leads the group of *Molecular-Cellular Ageing & Carcinogenesis*. Dr. Trougakos has received post-doctoral fellowships from the EU and the Scholarship Foundation of the Hellenic State; has participated in many international practical courses (EMBO, FEBS), has been honoured with various awards and he was an invited lecturer in international conferences. He teaches in post-graduate M.Sc. or Ph.D. courses at the Faculty of Biology and the Medical School of NKUA, he is a member of several Scientific Societies; has participated as a senior researcher in several EU research projects; serves as a reviewer in numerous international journals and he is an Editorial Board member of "Journal of Ageing Research" and "Biogerontology". Dr. Trougakos was a member of the Scientific Committee for the "12th Congress of the International Association of Biomedical Gerontology (IABG)", co-organized the "5th Workshop on Apolipoprotein J/Clusterin" and was appointed reviewer for the "8th IEEE International Conference on Bioinformatics and Bioengineering (BIBE)". He was Associate member of the EU Grant "Link-Age", while currently he serves as national representative and member of the Management Committee of the EU COST Action "Cangenin" and as a nominated member of the Management Committee of the EU COST Action "Chemistry of non-enzymatic protein modification – modulation of protein structure and function". Dr. Trougakos was invited to participate in panels of the "WhyWeAge - A road map for molecular Biogerontology" EU project; has been honoured with research grants and he is Deputy Coordinator of the EU grant "INsPiRE" (2011-2014, FP7 programme CAPACITIES). He has published several articles in high-ranking journals, chapters in international books and he co-authors an academic book. Finally, a link with RTD performers or SMEs has been established following the presentation of two patents related to an Apolipoprotein J/Clusterin ELISA method and the development of RNAi probes targeting cancer related genes.

Selected recent publications

- Antonelou MH, et al. (2011). Apolipoprotein J/Clusterin in Human Erythrocytes is Involved in the Molecular Process of Defected Material Disposal during Vesiculation. *PLoS ONE* (in press)
- Antonelou MH, et al (2011). Apolipoprotein J/Clusterin is a Novel Structural Component of Human Erythrocytes and a Biomarker of Cellular Stress and Senescence. *PLoS ONE* (in press)
- Leskov K.S., et al. (2011). Crm1-Mediated Regulation Of Nuclear Clusterin (nCLU), An Ionizing Radiation-Stimulated, Bax-Dependent Pro-Death Factor. *J. Biol. Chem.* (in press).
- Trougakos IP, et al. (2009). Advances and challenges in Basic and Translational Research on Clusterin. *Cancer Res.* 69, 403-406.
- Trougakos IP, et al. (2009). Intracellular Clusterin inhibits mitochondrial apoptosis by suppressing p53-activating stress signals and stabilizing the cytosolic Ku70-Bax protein complex. *Clinical Cancer Res.* 15, 48-59.
- Chondrogianni N, et al. (2008). Partial proteasome inhibition in human fibroblasts triggers accelerated M1 senescence or M2 crisis depending on the p53 and Rb status. *Ageing Cell* 7, 717-732.
- Trougakos IP, et al. (2004). Silencing expression of the clusterin/apolipoprotein j gene in human cancer cells using small interfering RNA induces spontaneous apoptosis, reduced growth ability, and cell sensitization to genotoxic and oxidative stress. *Cancer Res.* 64, 1834-1842.
- Chondrogianni N, et al. (2003). Central role of the proteasome in senescence and survival of human fibroblasts: induction of a senescence-like phenotype upon its inhibition and resistance to stress upon its activation. *J. Biol. Chem.* 278, 28026-28037.