

Curriculum Vitae of: **Christoforos Odiatis**, PhD

PERSONAL INFORMATION



Name: Christoforos M. Odiatis
Date of Birth: 14/01/1981
Work Address: University of Cyprus,
Department of Biological Sciences, Molecular
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EDUCATION AND WORKING EXPERIENCE

- June 2016- Present:** Postdoctoral Associate – Molecular Medicine Research Center, University of Cyprus, “Phenotypic analysis of two Alport Syndrome mouse models, a Col4a3 knockin and a Col4a3 hemizygous model with syndrome Alport and implementation of innovative therapeutic interventions”. PI: Prof. Constantinos Deltas
- 2009-2015:** PhD in Molecular Biology, Dept of Biological Sciences, University of Cyprus, Nicosia, Cyprus. PhD thesis: “Ets2 gene function in trophoblast: in vivo and stem cell studies”. Supervisor: Dr. Georgiades Pantelis
- 2005-2008:** MSc in Molecular biology, Dept of Biological Sciences, University of Cyprus, Nicosia, Cyprus. Master thesis: “Lentiviral vector mediated gene delivery into mouse trophoblast stem cells”. Supervisor: Dr. Georgiades Pantelis
- 2000-2005:** BSc in Biology, National and Capodistrian University of Athens.
Thesis: “Study of the polymorphism Glu 298 Asp of the endothelial nitric oxide synthase gene (eNOS) and its possible correlation with

coronary disease in Greek population". Dept of Genetics & Biotechnology, Faculty of Biology, National and Capodistrian University of Athens, Athens, Greece. Supervisor: Dr. Lamnisou Klea

RESEARCH AND WORK EXPERIENCE

- Feb-June 2010: Teaching assistance at the Department of Biological Sciences at the University of Cyprus (Lab Methods and Techniques Course)
- Dec2011- Nov2013: Young Researcher in a research project funded by Research Promotion Foundation. Investigation of Ets2 gene function in trophoblast development using trophoblast stem cells and Ets2 mutant mouse embryos (ΠENEK/0609/90).
- Dec 2017- February 2019 : Young Researcher in a research project funded by Alport Syndrome Foundation in United States. Repurposing of FDA approved chemical chaperones to the rescue of a mouse model of Alport Syndrome (CHALPORT)
- March 2019- March 2022: Project Coordinator in a research project funded by Research Promotion Foundation. Preclinical studies of treating Alport Syndrome mouse models with chemical chaperons

PUBLICATIONS

Odiatis, C. & Georgiades, P. New insights for Ets2 function in trophoblast using lentivirus-mediated gene knockdown in trophoblast stem cells. *Placenta* 31, 630–640 (2010).

Odiatis, C. Drakou, K. Georgiades, P. Ets2 is required for the specification of trophoblast towards Junctional Zone trophoblast fate and into syncytial labyrinthine trophoblast fate (under preparation).

Odiatis, C. & Georgiades, P. Ets2 is required for preventing hypoxia within Parietal-TGCs and for the exit of the entire preplacenta from hypoxic conditions, probably by indirectly influencing the maternal vasculature of the deciduas (under preparation).

Odiatis, C. Elia, A. Georgiades, P. The early mouse preplacenta develops under hypoxia consistent with the situation in humans (under preparation).

POSTER PRESENTATIONS IN INTERNATIONAL AND LOCAL CONFERENCES

Odiatis C., Baladinou E., Lamnisou K. (2004): Study of the polymorphism Glu 298 Asp of the endothelial nitric oxide synthase gene (eNOS) and its possible correlation with coronary disease in Greek population.

Odiatis C. & Georgiades, P. Ets2 gene function in trophoblast: Studies in trophoblast stem cells and in vivo. "M3: Mostly Mammals in Montreal". International Conference in Human Genetics. 21-23 March 2013, Canada

Odiatis C. & Georgiades, P. New Insights for Ets2 Function in Trophoblast using Lentivirus Mediated Gene Knockdown in Trophoblast Stem Cells. Poster presentation at local conference: "Research Work of Postgraduate Students Faculty of Pure and Applied Sciences" University of Cyprus, on 17 November 2012.

ACADEMIC ACTIVITIES

Sep 2010-June2015: Training and co-supervision of Postgraduate and Undergraduate Theses, Dept of Biological Sciences, University of Cyprus

EXPERIMENTAL SKILLS

Mice manipulation and Genotyping using PCR, Cell culture, plasmid manipulation and cloning, lentivirus construction for infecting cells, Semi-Quantitative Reverse transcription-PCR (RT-PCR), , Histology (paraffin embedding of tissue and sectioning), RNA in situ hybridization and Immunohistochemistry on paraffin embedded tissue sections or cryosections, Western Blot, Confocal Microscopy