

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Evgenia Synolaki
Date of Birth: 02-06-1987
Address: Olimpias Masouri 13, 15126, Marousi, Athens, Greece
Nationality: Greek
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EDUCATION

2010-2012: National Kapodistrian University of Athens. Master degree in Clinical Biochemistry-Molecular Diagnostics (GPA: Excellent 8.1/10)
2005-2010: University of Crete, Department of Biology. Bachelor in Science of Biology, Specialization of Biomolecular Sciences and Biotechnology (GPA: 7.04/10)
2002-2005: Graduation from 4th High School of Heraklion Crete (grade: Excellent 18.3/20)

LABORATORY EXPERIENCE

05/2021-today: **Research assistant**, G.P. Livanos and Marianthi Simou Laboratories, 1st department of Critical Care and pulmonary Service, Evangelismos hospital, Medical School, National and Kapodistrian University of Athens
04/2015-today: **PhD student**, Laboratory of Immunobiology, Biological and Research Foundation Academy of Athens (BRFAA)
01-06/2016: **Short Term Scientific Mission-COST action**, Laboratory of Integrative Biology, Department of Molecular Biosciences, the Wenner-Gren Institute, Stockholm University
10/2012-06/2015: **Research assistant**, Laboratory of Immunobiology, Biological and Research Foundation Academy of Athens (BRFAA)
10/2011-10/2012: **Laboratory of Basic Sciences and Oral Biology, School of Dentistry, University of Athens, Greece.** Master thesis: "Research of human dental pulp cells' effect in bone healing in a rat osteotomy model".
01/2010-10/2010: **Laboratory of Histology-Embryology, Medical School, University of Crete, Greece.** Bachelor's thesis: "The effect of the growth factor FGF in expression of proteoglycans and in the adhesion and migration of bone tumor cells".

LANGUAGES AND OTHER SKILLS

English Certificate of Proficiency, Michigan University, **2008**
French Diplome d'etudes en langue francaise (DELFI), **2003**
Other skills Windows, MS Word, MS Excel, MS Powerpoint, Image j software, GEN5, NanoDrop ND 1000 V3.3, FACs Diva

PUBLICATIONS

- Evgenia Synolaki, Vasileios Papadopoulos, Georgios Divolis, Olga Tsahouridou, Efstratios Gavriilidis, Georgia Loli, Ariana Gavriil, Christina Tsigalou, Nikolaos R. Tziolos, Eleni Sertaridou, Bhanu Kalra, Ajay Kumar, Petros Rafailidis, Arja Pasternack, Dimitrios T. Boumpas, Georgios Germanidis, Olli Ritvos, Simeon Metallidis, Panagiotis Skendros and Paschalis Sideras. (2021) The Activin/Follistatin-axis is severely deregulated in COVID-19 and independently associated with in-hospital mortality, *J Infect Dis* 2021 Feb 24: jiab108
- Kitraki E, Zakkas S, Synolaki E, Diamanti E, Tiniakos DG, et al. (2014) Dental Pulp Cells Enhance Bone Healing in A Rat Osteotomy Model. *Ann Orthop Rheumatol* 2(1): 1009.

AWARDS - SCHOLARSHIP

- 1st Award of Basic Research in 45th National Greek Medical Conference, Athens 15-18 May 2019 for oral presentation “Immunological response against influenza virus: Differential action of Activin-A depending on the cellular source of her production”, E. Synolaki, A. Doulou, A. Gavriil, A. Apostolidou, P. Skendros and P. Sideras
- 1st Award of oral presentation in 29th National Greek Haematology Conference, Thessaloniki 4th November 2018 “Autophagy in Myelodysplastic syndromes: The role of HIF-1A/REDD1 pathway”, I. Stergiou, K. Kambas, S. Giannoulis, T. Katsilas, A. Dimitrakopoulou, V. Vidali, E. Synolaki, A. Papageorgiou, A. Nezos, G. Patrinos, P. Sideras, K. Ritis, A. Tzioufas, M. Voulgarelis
- IKY Fellowship (Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project “Strengthening Human Resources Research Potential via Doctorate Research” (MIS-5000432), implemented by the State Scholarships Foundation), 2016-2019
- Short Term Scientific Mission-COST action

POSTERS – ORAL PRESENTATIONS

Synolaki Evgenia, Stavropoulos Athanasios, Soundoulidis Alexandros, Apostolidou Anastasia, Doulou Athanasia, Gavriil Arianna and Paschalis Sideras, Canonical TGFβ-Superfamily signalling in early lung development and adult respiratory pathology, 5th National Conference of Immunology, Porto Heli, 18-22 May 2015

Evgenia Synolaki, Athanasia Doulou, Ariana Gavriil, Anastasia Apostolidou, Paschalis Sideras, Activin-A produced in the context of an immune-inflammatory response exerts tissue-protective or -detrimental functions depending on its cellular origin, 7th Young Scientists Forum, Eugenides Foundation, Athens, 28/11/2019

Evgenia Synolaki, Athanasia Doulou, Ariana Gavriil, Anastasia Apostolidou, Paschalis Sideras, Activin-A produced in the context of an immune-inflammatory response exerts tissue-protective or -detrimental functions depending on its cellular origin, 70th National Conference Hellenic Society of Biochemistry and Molecular Biology, Eugenides Foundation, Athens, 29/11-01/12 2019

CONGRESSES ATTENDANCE

- 45th National Greek Medical Conference, Athens 15-18 May 2019
- 4th Annual COST Action BM1201 Conference, Athens, Greece, 3-4 November 2016

- 5th National Conference of Immunology, Porto Heli, 18-22 May 2015
- Munich International Autumn School for Respiratory Medicine, Munich, 1-5 September 2014
- 4th National Conference of Immunology, Athens, 24-28 June 2013
- Summer school of “Demokritos”, “Science of Life”, Athens, 9-20 July 2012
- Gene Regulation: from DNA sequence to Nuclear structure, Athens, 14-16 November 2012
- 22nd European Tissue repair Conference, Athens, 4-5 October 2012
- 4th Panhellenic Conference of Medical Biochemistry, Thessaloniki, 31 March and 1-2 April 2011
- 8th National Conference on cancer markers and targeted therapies, Athens, 25-27 November 2010
- 8th National Conference of Immunology of GREEK COMPANY of IMMUNOLOGY, Athens, 9-11 December 2010
- 7th Young Scientists Forum, Eugenides Foundation, Athens, 28/11/2019
- 70th National Conference Hellenic Society of Biochemistry and Molecular Biology, Eugenides Foundation, Athens, 29/11-01/12 2019

LABORATORY EXPERIENCE

- Animal handling (mice, rats)
- Intraperitoneal injections, intratracheal and intranasal administration of drugs in adult mice
- Intranasal administration of drugs in neonatal mice
- Analysis of bronchoalveolar lavage fluid
- Assessment of lung mechanics in mice (FlexiVent, SCIREQ).
- Use of microtome / cryostat
- Histological staining (H&E, Alcian Blue, PAS, Toluidine blue)
- Immunohistochemistry/immunofluorescence in paraffin and cryostat sections
- Microscopy
- Cell cultures (primary and cells lines)
- Transfection with siRNA
- Production of recombinant adenoviruses for the desired protein overexpression
- Fibrous scar test
- Fluorescence-activated cell sorting (FACS)
- DNA extraction from mouse tails
- Polymerase Chain Reaction (PCR)
- Reverse transcription and cDNA synthesis
- Nucleic acid electrophoresis in agarose gel
- RNA extraction from cells and tissues
- Real Time Polymerase Chain Reaction (Real Time PCR)
- Single-cell RNA sequencing
- Protein Electrophoresis (SDS-PAGE) in polyacrylamide gel
- Western Blot analysis
- Protein precipitation
- Enzyme-linked immunosorbent assay (ELISA)
- Analysis of human biological samples (bronchoalveolar lavage fluid, sputum, serum)
- Isolation of neutrophils and PBMCs from human blood
- Cytometry by Time of Flight-CyTOF