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### Profile

**Dr Konstantinos Arvanitidis** is Molecular Biologist and currently has a position as Laboratory Teaching Staff (EDIP-Lecturer) of Pharmacology at School of Medicine of DUTH. His research is focused on Translation Medicine, mainly in developing and applying diagnostic tools and biomarkers for disease prognosis, staging and therapeutic targets. He has an extensive experience in the fields of Molecular Biology, Immunology and Pharmacogenomics, as shown by his publications (25 articles in Pubmed) over 750 citations with h-index 14 (G – Scholar). He has received awards in National and International Meetings and has participated in several projects funded by the EU.

### Research/Work experience

2002-2020 - EDIP member in Laboratory of Pharmacology (Laboratory & Teaching Staff), Faculty of Medicine, DUTH.

2000-2001 - Department of Molecular Biology and Genetics DUTH

1998-1999 - Visiting Researcher at Division of Tumor Biology, Dept. of Cell and Molecular Biology, Umeå University, Sweden

1997-1999 - Researcher in research program «*Bruton's X-linked agammaglobulinemia: From diagnosis to treatment – Development of an in vitro model of gene transfer and perspective transfer in peripheral stem cells*» (“Career” program 1997, 54)

### Education and training

1995 Degree of Molecular Biology & Clinical Chemistry, University of Sofia Sofia, Bulgaria

2002 Doctor of Philosophy (PhD) – Medical School, DUTH Alexandroupolis Greece

2019 Degree of Medicine (MD) – Medical School, DUTH Alexandroupolis Greece

2004-09 Post Doctoral Researcher – Pharmacogenomics, Medical School DUTH, Alexandroupolis Greece

2009 – Post Doctoral Researcher – Mucosal Immunology, Medical School DUTH, Alexandroupolis Greece

### Publications:

- 1 Dovrolis N, Michalopoulos G, Theodoropoulos GE, **Arvanitidis K**, Kolios G, Sechi LA, Eliopoulos AG, Gazouli M The Interplay between Mucosal Microbiota Composition and Host Gene-Expression is Linked with Infliximab Response in Inflammatory Bowel Diseases. **Microorganisms. 2020 Mar 20;8(3):438.**
- 2 M. Karaglani E. Tzitzikou, S. Tottas, I. Kougioumtzis, **K. Arvanitidis**, G. Kolios, E. Chatzaki, G. Drosos. Gentamycin elution from polymethylmethacrylate and bone graft substitute: Comparison between commercially available and home-made preparations. **J Orthop. 2019 Nov 27;19:9-13**
- 3 Dovrolis N, Drygiannakis I, Filidou E, Kandilogiannakis L, **Arvanitidis K**, Tentes I, Kolios G, Valatas V. Gut Microbial Signatures Underline Complicated Crohn's Disease but Vary Between Cohorts; An In Silico Approach. **Inflamm Bowel Dis. 2019 Jan 10;25(2):217-225.**
- 4 Sertaridou EN, Chouvarda IG, **Arvanitidis KI**, Filidou EK, Kolios GC, Pnevmatikos IN, Papaioannou VE. Melatonin and cortisol exhibit different circadian rhythm profiles during septic shock depending on timing of onset: a prospective observational study. **Ann Intensive Care. 2018 Dec 4;8(1):118**

- 5 Ioannidis A, **Arvanitidis K**, Filidou E, Valatas V, Stavrou G, Michalopoulos A, Kolios G, Kotzampassi K. The Length of Surgical Skin Incision in Postoperative Inflammatory Reaction. **JSLs. 2018 Oct-Dec;22(4)**
- 6 Filidou E, Valatas V, Drygiannakis I, **Arvanitidis K**, Vradelis S, Kouklakis G, Kolios G, Bamias G. Cytokine Receptor Profiling in Human Colonic Subepithelial Myofibroblasts: A Differential Effect of Th Polarization-Associated Cytokines in Intestinal Fibrosis. **Inflamm Bowel Dis. 2018 Sep 15;24(10):2224-2241**
- 7 Stavrou G, **Arvanitidis K**, Filidou E, Fotiadis K, Grosomanidis V, Ioannidis A, Tsaousi G, Michalopoulos A, Kolios G, Kotzampassi K. Combined Enteral and Parenteral Glutamine Supplementation in Endotoxaemic Swine: Effects on Portal and Systemic Circulation Levels. **Med Princ Pract. 2018 Sep 5.**
- 8 Bouros E, Filidou E, **Arvanitidis K**, Mikroulis D, Steiropoulos P, Bamias G, Bouros D, Kolios G. Lung fibrosis-associated soluble mediators and bronchoalveolar lavage from idiopathic pulmonary fibrosis patients promote the expression of fibrogenic factors in subepithelial lung myofibroblasts, **Pulm Pharmacol Ther. 2017 Oct;46:78-87.**
- 9 Bamias G, Filidou E, Goukos D, Valatas V, **Arvanitidis K**, Panagopoulou M, Kouklakis G, Daikos GL, Ladas SD, Kolios G. Crohn's disease-associated mucosal factors regulate the expression of TNF-like cytokine 1A and its receptors in primary subepithelial intestinal myofibroblasts and intestinal epithelial cells. **Transl Res. 2017 Feb;180:118-130**
- 10 Fotiadis K, Filidou E, **Arvanitidis K**, Valatas V, Stavrou G, Basdanis G, Paspaliaris V, Kolios G, Kotzampassi K. Intraperitoneal application of phospholipids for the prevention of postoperative adhesions: a possible role of myofibroblasts. **J Surg Res. 2015 Aug;197(2):291-300**
- 11 Fouka E, Lamprianidou E, **Arvanitidis K**, Filidou E, Kolios G, Miltiades P, Paraskakis E, Antoniadis A, Kotsianidis I, Bouros D. Low-dose clarithromycin therapy modulates Th17 response in non-cystic fibrosis bronchiectasis patients. **Lung. 2014 Dec;192(6):849-55**
- 12 Ragia G, Nikolaidis E, Tavridou A, **Arvanitidis KI**, Kanoni S, Dedoussis GV, Bougioukas G, Manolopoulos VG. Renin-angiotensin-aldosterone system gene polymorphisms in coronary artery bypass graft surgery patients. **J Renin Angiotensin Aldosterone Syst. 2010 Jun;11(2):136-45**
- 13 Iordanidou M, Tavridou A, Petridis I, **Arvanitidis KI**, Christakidis D, Vargemezis V, Manolopoulos VG. The serotonin transporter promoter polymorphism (5-HTTLPR) is associated with type 2 diabetes. **Clin Chim Acta. 2010 Feb;411(3-4):167-71**
- 14 Ragia G, Nikolaidis E, Tavridou A, **Arvanitidis KI**, Kanoni S, Dedoussis GV, Bougioukas G, Manolopoulos VG. Endothelial nitric oxide synthase gene polymorphisms -786T>C and 894G>T in coronary artery bypass graft surgery patients. **Hum Genomics. 2010 Aug;4(6):375-83.**

- 15 Tavidou A, **Arvanitidis KI**, Tiptiri-Kourpeti A, Petridis I, Ragia G, Kyroglou S, Christakidis D, Manolopoulos VG. Thr54 allele of fatty-acid binding protein 2 gene is associated with obesity but not type 2 diabetes mellitus in a Caucasian population. **Diabetes Res Clin Pract.** 2009 May;**84(2):132-7.**
- 16 Ragia G, **Arvanitidis KI**, Tavidou A, Manolopoulos VG. Need for reassessment of reported CYP2C19 allele frequencies in various populations in view of CYP2C19\*17 discovery: the case of Greece. **Pharmacogenomics.** 2009 Jan;**10(1):43-9**
- 17 Iordanidou M, Tavidou A, Vasiliadis MV, **Arvanitidis KI**, Petridis J, Christakidis D, Vargemezis V, Bougioukas G, Manolopoulos VG. The -759C/T polymorphism of the 5-HT<sub>2C</sub> receptor is associated with type 2 diabetes in male and female Caucasians. **Pharmacogenet Genomics.** 2008 Feb;**18(2):153-9.**
- 18 **Arvanitidis K**, Ragia G, Iordanidou M, Kyriaki S, Xanthi A, Tavidou A, Manolopoulos VG. Genetic polymorphisms of drug-metabolizing enzymes CYP2D6, CYP2C9, CYP2C19 and CYP3A5 in the Greek population. **Fundam Clin Pharmacol.** 2007 Aug;**21(4):419-26.**
- 19 Tzoanopoulos D, Speletas M, **Arvanitidis K**, Veiopoulou C, Kyriaki S, Thyphronitis G, Sideras P, Kartalis G, Ritis K. Low expression of interferon regulatory factor-1 and identification of novel exons skipping in patients with chronic myeloid leukaemia. **Br J Haematol.** 2002 Oct;**119(1):46-53.**
- 20 Speletas M, Kanariou M, Kanakoudi-Tsakalidou F, Papadopoulou-Alataki E, **Arvanitidis K**, Pardali E, Constantopoulos A, Kartalis G, Vihinen M, Sideras P, Ritis K. Analysis of Btk mutations in patients with X-linked agammaglobulinaemia (XLA) and determination of carrier status in normal female relatives: a nationwide study of Btk deficiency in Greece. **Scand J Immunol.** 2001 Sep;**54(3):321-7.**
- 21 Speletas M, **Arvanitidis K**, Tzoanopoulos D, Tsironidou V, Pardali E, Aggeli C, Tsapogas P, Kartalis G, Sideras P, Ritis K. Rapid mutational analysis of N-ras proto-oncogene in hematologic malignancies: study of 77 Greek patients. **Haematologica.** 2001 Sep ;**86 (9) : 918-27.**
- 22 Ritis K, Tzoanopoulos D, Speletas M, Papadopoulos E, **Arvanitidis K**, Kartali S, Sideras P. Amplification of IS6110 sequence for detection of Mycobacterium tuberculosis complex in HIV-negative patients with fever of unknown origin (FUO) and evidence of extrapulmonary disease. **J Intern Med.** 2000 Nov;**248(5):415-24.**
- 23 Moschese V, Orlandi P, Plebani A, **Arvanitidis K**, Fiorini M, Speletas M, Mella P, Ritis K, Sideras P, Finocchi A, Livadiotti S, Rossi P. X-chromosome inactivation and mutation pattern in the Bruton's tyrosine kinase gene in patients with X-linked agammaglobulinemia. Italian XLA Collaborative Group. **Mol Medicine.** 2000 Feb;**6(2):104-13.**

- 24 Pardali E, Xie XQ, Tsapogas P, Itoh S, **Arvanitidis K**, Heldin CH, ten Dijke P, Grundström T, Sideras P. Smad and AML proteins synergistically confer transforming growth factor beta1 responsiveness to human germ-line IgA genes. **J Biol Chem.** 2000 Feb 4;275(5):3552-60.
- 25 Orlandi P, Ritis K, Moschese V, Angelini F, **Arvanitidis K**, Speletas M, Sideras P, Plebani A, Rossi P. Identification of nine novel mutations in the Bruton's tyrosine kinase gene in X-linked agammaglobulinaemia patients. **Hum Mutation.** 2000 Jan;15(1):117.
- 26 T. Argirova, **K. Arvanitidis**, D. Monova, M. Kojouharova. Enzyme Linked Immunosorbent Assay of Autoantibodies to Islet beta-Cell Antigens. **Balkan Journal of Clinical Laboratory** 1997, 3-4: 17-22.