

PERSONAL INFORMATION

Aris Dokoumetzidis



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Sex Male | Date of birth 7/8/1972 | Nationality Greek

POSITION

Professor of Pharmacokinetics and Pharmacometrics

WORK EXPERIENCE

- (2025 - present) **Professor of Pharmacokinetics and Pharmacometrics**
Department of Pharmacy, National and Kapodistrian University of Athens
- (2021 - 2025) **Associate Professor of Pharmacokinetics and Pharmacometrics**
Department of Pharmacy, National and Kapodistrian University of Athens
- (2015 - 2021) **Assistant Professor of Pharmacokinetics and Pharmacometrics**
Department of Pharmacy, National and Kapodistrian University of Athens
- (2010 - 2015) **Lecturer of Biopharmaceutics, Pharmacokinetics and Clinical Pharmacy**
Department of Pharmacy, National and Kapodistrian University of Athens
- (2008 - 2009) **Lecturer of Biopharmaceutics and Pharmacokinetics**
School of Pharmacy, Queen's University Belfast and Kapodistrian University of Athens
- (2003 - 2008) **Research Fellow**
School of Pharmacy, The University of Manchester

EDUCATION AND TRAINING

- (1999 - 2002) **PhD in Pharmacokinetics**
School of Pharmacy of the National and Kapodistrian University of Athens
- (1996 - 1999) **MSc in Physics**
Physics Department of the National and Kapodistrian University of Athens
- (1999 - 2002) **BA in Physics**
Physics Department of the National and Kapodistrian University of Athens

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](https://www.eurobarometer.europa.eu/en/common-european-framework-of-reference-for-languages)

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

ADDITIONAL INFORMATION

Recent publications

1. Karakitsios E, Dokoumetzidis A. Extrapolation of lung pharmacokinetics of antitubercular drugs from preclinical species to humans using PBPK modelling. J Antimicrob Chemother. 79(6):1362-1371. doi: 10.1093/jac/dkac109. (2024a)
2. Kaikousidis C, Bies RR, Dokoumetzidis A. Simulating realistic patient profiles from pharmacokinetic models by a machine learning postprocessing correction of residual variability. CPT Pharmacometrics Syst Pharmacol. doi: 10.1002/psp4.13182. (2024b)
3. Karakitsios E, Dokoumetzidis A. A meta-analysis methodology in Stan to estimate population pharmacokinetic parameters from multiple aggregate concentration-time datasets: application to gevokizumab mPBPK model. Pharmaceutics 16(9), 1129. doi: 10.3390/pharmaceutics16091129 (2024c)
4. Seliniotaki AK, Lithoxopoulou M, Virgiliou C, Gika H, Dokoumetzidis A, Bougioukas KI, Raikos N, Diamanti E, Ziakas N, Haidich AB, Mataftsi A. Efficacy and safety of mydriatic microdrops for retinopathy of prematurity screening. JAMA Ophthalmology 143(2):110-116. doi: 10.1001/jamaophthalmol.2024.5462 (2025a)
5. Karakitsios E, Angelero M, Kapralos I, Tsakiridou G, Kalantzi L, Dokoumetzidis A. Integrating In Vitro Dissolution and Physiologically Based Pharmacokinetic Modeling for Generic Drug Development: Evaluation of Amorphous Solid Dispersion Formulations for Tacrolimus. Pharmaceutics 17(2), 227. doi: 10.3390/pharmaceutics17020227 (2025b)
6. Athanassa Z, Papakyriakopoulou P, Marquez Megias S, Saitani EM, Manioudaki S, Dimoula K, Petsa I, Valsami G, Sakagianni A, Koumaki V, Dokoumetzidis A, Tsakris A. Population Pharmacokinetic Model of Oral Minocycline in Critically Ill Adult Patients with ventilator-associated pneumonia. J Antimicrob Chemother. doi: 10.1093/jac/dkaf090 (2025c)
7. Karakitsios E, Della Pasqua O, Dokoumetzidis A. Extrapolation of lung pharmacokinetics of bedaquiline across species using physiologically-based pharmacokinetic modelling. Br J Clin Pharmacol. doi: 10.1002/bcp.70163. (2025d).
8. Nikolaidis S, Kosmidis I, Papadopoulos S, Lioupi A, Gandanidou M, Gika H, Dokoumetzidis A, Theodoridis G, Mougios V. Effect of high-intensity interval exercise on metformin pharmacokinetics in healthy men, assessed through a population pharmacokinetic model. Br J Pharmacol., 183:438-452. doi: 10.1111/bph.70208. (2026a)

Grants and Projects

#	Period	Title	Sponsor	Role
1	2024-2028 (ongoing)	Ecosystem for RAPid adoption of modelling and simulation METHods to address regulatory needs in the development of orphan and paediatric medicines (ERAMET)	EU Horizon	PI for Greek partner institution
2	2020-2026 (ongoing)	European Tuberculosis Regimen Accelerator (ERA4TB)	Innovative Medicines Initiative (IMI2)	Subcontractor PI for Greek partner
3	2020-2023	Optimizing Drug Development by Modeling and Simulation approaches (ODDMS)	Hellenic Foundation for Research and Innovation (ELIDEK)	PI
4	2018-2020	European Paediatric Translational Research Infrastructure (EPTRI)	Horizon 2020 INFRADEV	Co-investigator
5	2013-2015	Individualized drug therapy in Greek hospitals based on Pharmacokinetic mathematical Modeling: focus on generics	General Secretariat for Research & Technology (GSRT)	Co-investigator