

I completed a DPhil in 2010 on Molecular Virology and Molecular Epidemiology of viral infectious agents. Currently, I am an Associate Professor of Molecular Microbiology and Virology, Head and Scientific Director of the of the National AIDS Reference Center of Southern Greece and Head of the Laboratory of Molecular Microbiology and Immunology at the Department of Biomedical Sciences, both at the University of West Attica. Previously, I have spent 5 years as Senior Research Fellow (2013-2018) at the Institute of Infection and Global Health at the University of Liverpool conducting research, both lab based and in silico, and provided guidance, tutorship and support to junior researchers, undergraduate/postgraduate students and staff. I am interested in infectious diseases with a particular interest in viral infections, and the use of advanced **molecular and epidemiological tools** for diagnosing, monitoring and tracking viruses and their relevant epidemics. In my research interests are included molecular epidemiology of infectious diseases with particular interest in viral infections, viruses' evolution and how is driven by genetic variability of the host, as well as evolution of emerging epidemics and the emergence of evolution caused by antimicrobials. At the moment, in my research group in Athens, we study the genetic diversity, evolutionary patterns as well as dispersal of viral epidemics of different viruses including the new SARS-CoV-2. Previously conducted research has been published in leading journals, such as Lancet, JAMA, Lancet Global Health, BMC Medicine, Clinical Infectious Diseases, and Addiction among others with more than 3,900 citations and h-index 27.

Contact details

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Qualifications – Education

2010	PhD in Molecular Virology & Molecular Epidemiology [University of Athens, Greece]
2005	MSc in Biomedicine [University of Athens, Greece]
2004	BSc Biological Sciences [University of Athens, Greece]

Research experience – Employment history

June 2021	-	Head and Scientific Director of the National AIDS Reference Center of Southern Greece, School of Public Health, University of West Attica, Athens, Greece [https://eelno.uniwa.gr/monada-ergastiriakis-epitirisis-hiv-aids-loimoxis-kai-iogenon-ipatitidon/]
May 2019	-	Head of the Laboratory of Molecular Microbiology & Immunology School of Health Sciences, Department of BioMedical Sciences, University of West Attica, Athens, Greece [micromol.uniwa.gr]
Nov. 2021	-	Associate Professor in Molecular Microbiology and Virology School of Health Sciences, Dpt. of BioMedical Sciences, University of West Attica, Athens, Greece
Dec. 2017	Nov. 2021	Assistant Professor in Molecular Microbiology and Virology – Department of BioMedical Sciences, University of West Attica, Athens, Greece
Oct. 2018	Oct. 2021	Honorary Senior Lecturer in Virology/Infectious Diseases - Institute of Infection & Global Health, [University of Liverpool, United Kingdom]
May. 2016	Sep. 2018	Senior Research Fellow in Virology/Infectious Diseases - Institute of Infection & Global Health, [University of Liverpool, United Kingdom] [<i>Source of funding: University of Liverpool core staff</i>]
Sep. 2013	Apr. 2016	Postdoc Research Associate (PDRA) - Institute of Infection & Global Health (IGH), [University of Liverpool, United Kingdom]
Oct. 2010	Sep. 2013	Postdoc Research Associate (PDRA) in Molecular Virology/Epidemiology [University of Athens, Greece]

Selected Research Grants, Fellowships and Awards over the last 5 years

2023-	GSK funding to investigate presence of M184 mutations in People Living With HIV (PLWH)
2024	(54,000 euro). University of West Attica PI Research funding. Principal Investigator.
2022-	Research Grant to study the HIV-1 MOLECULAR EPIDEMIOLOGY ; Funder: Greek Scientific Society for AIDS
2024	research, Emerging and Sexually Transmitted Diseases (9,600 euro). University of West Attica PI Research funding. Principal Investigator.
2020-	Core Research Funding for the “Diagnosis, Confirmation of HIV-1 Infections and Follow-up of People Living
2022	With HIV (PLWH)” (174,000 euro). University of West Attica PI Research funding. Principal Investigator.
2018-	Institutional Research Grant for the Study “Characterise Influenza and Rhinoviruses genetic diversity in
2020	COPD patients” (~ £ 11,700). University of West Attica PI Research funding. Principal Investigator.
2016-	IGH pump priming Grant ; £2,250; Defining the risk of HIV transmission within the PARTNER study by
2017	sensitive methodologies and advance molecular epidemiology: PARTNER sensitive
2015-	British HIV Association Grant; £16K; Title: PARTNER STUDY: Defining the risk of HIV transmission by sensitive
2017	methodologies (2015-2017)

Summarised scientific publications Track Record**69 publications published in peer-reviewed scientific journals**

Total Impact Factor: >427 / Average Impact Factor: > 6.2

Citations (*h-Index*) until Dec 2022; 3,930 (*h-index* 27) at Google.scholar and 2,200 (*h-index* 19) at Scopus

*All Publications will show up in PubMed using Beloukas A. [Pubmed](#); [Homepage](#); [ResearchGate](#)

Tutorship/Supervision

Currently:

- Research group at the Micromol Lab, Dept. of BioMedical Sciences, University of West Attica; 2 Postdocs, 5 PhD candidates, 6 MSc and 12 undergrads students
- Research group at the National AIDS Reference Center of Southern Greece, University of West Attica; 2PhD candidate, 1 Research assistant, 1 eCDC Research Fellow in Clinical Microbiology, 2 MSc students and 3 undergrads students

Previous supervisions at the Institute of Infection and Global Health, University of Liverpool and at the National Retrovirus Reference Centre, at the University of West Attica

- 8 PhDs, 13 MSc students, >35 undegrads research theses

List of 10 Selected Publications (underlined titles are active web-hyperlinks to relevant manuscripts)

Full list of all publications from Molecular Microbiology and Immunology Lab also available at

<https://micromol.uniwa.gr/ereynitiko-erqo/>

Google.scholar ID ([Apostolos Beloukas](#)); ORCID ([0000-0001-5639-0528](#)); Scopus ID ([26654732600](#))

1. Maria Bampali, Konstantinos Konstantinidis, Emmanouil E Kellis, Theodoti Pouni, Ioannis Mitroulis, Christine Kottaridi, Alexander G Mathioudakis, **Apostolos Beloukas***, Ioannis Karakasiliotis. *West Nile Disease Symptoms and Comorbidities: A Systematic Review and Analysis of Cases*. Trop Med Infect Dis. 2022 Sep 8;7(9):236; [IF: 3.711]
2. Saba Ramezanzadeh, **Apostolos Beloukas**, Abdol Sattar Pagheh, Mohammad Taghi Rahimi, Seyed Abdollah Hosseini, Sonia M. Rodrigues Oliveira, Maria de Lourdes Pereira and Ehsan Ahmadpour. *Global Burden of Cyclospora cayetanensis Infection and Associated Risk Factors in People Living with HIV and/or AIDS*. Viruses 2022, 14, 1279; [IF: 5.818]
3. Sotirios Roussos, Dimitrios Paraskevis, Mina Psychogiou, Evangelia Georgia Kostaki, Eleni Flountzi, Theodoros Angelopoulos, Savvas Chaikalas, Martha Papadopoulou, Ioanna D. Pavlopoulou, Meni Malliori, Eleni Hatzitheodorou, Magdalini Pylli, Chrissa Tsiara, Dimitra Paraskeva, **Apostolos Beloukas**, George Kalamitsis, Angelos Hatzakis, Vana Sypsa. *Ongoing HIV transmission following a large outbreak among people who inject drugs in Athens, Greece (2014–20)*. Addiction. 2022;1–13; [IF: 7.256]
4. Vasilarou M., Alachiotis N., Garefalaki J., **Beloukas A.***, Pavlidis P.* *Population Genomics Insights into the First Wave of COVID-19*. Life 2021, 11, 129; [IF: 2.991]
5. Pappa O, Kefala AM, Tryfinopoulou K, Dimitriou M, Kostoulas K, Dioli C, Moraitou E, Panopoulou M, Vogiatzakis E, Mavridou A, Galanis A and **Beloukas A***. *Molecular epidemiology of Multi-Drug Resistant Pseudomonas aeruginosa isolates from hospitalized patients in Greece*. Microorganisms 2020, 8(11), 1652; [IF: 4.152]
6. Alison J Rodger, Valentina Cambiano, Tina Bruun, Pietro Vernazza, Simon Collins, Olaf Degen, Giulio Maria Corbelli, Vicente Estrada, Anna Maria Geretti, **Apostolos Beloukas**, Dorthe Raben, Pep Coll, Andrea Antinori, Nneka Nwokolo, Armin Rieger, Jan M Prins, Anders Blaxhult, Rainer Weber, Arne Van Eeden, Nobert H Brockmeyer, Amanda Clarke, Jorge Del Romero, Francois Raffi, Johannes R Bogner, Gilles Wandeler, Jan Gerstoft, Felix Gutiérrez, Kees Brinkmann, Maria Kitchen, Lars Østergaard, Agathe Leon, Matti Ristola, Heiko Jessen, Hans-Jurgen Stellbrink, MD, Andrew N Phillips and Jens Lundgren for the PARTNER Study Group *Risk of HIV transmission through condomless sex in serodifferent gay couples with the HIV-positive partner taking suppressive antiretroviral therapy (PARTNER): final results of a multicentre, prospective, observational study*. **The Lancet** 2019 Jun 15;393(10189):2428-2438 [IF: 53.254]
7. **Beloukas A**, Paraskevis D, Stasinou K, Pantazis N, Mendoza C, Kucherer C, Zangerle R, Gill J, d'Arminio Montforte A, Bakken Kran AM, Porter K, Touloumi G, on behalf of the CASCADE Collaboration in the EuroCoord. *HIV-1 molecular transmission clusters in nine European countries and Canada: association with demographic and clinical factors*. **BMC Medicine** 2019 Jan 8;17(1):4 [IF: 9.088]
8. Alison J Rodger MD, Valentina Cambiano PhD, Tina Bruun RN, Pietro Vernazza MD, Simon Collins, Jan Van Lunzen PhD, Giulio Maria Corbelli, Vicente Estrada MD, Anna Maria Geretti PhD, **Apostolos Beloukas PhD**, David Asboe FRCP, Pompeyo Viciano MD, Félix Gutiérrez PhD, Bonaventura Clotet MD, Christian Pradier MD, Jan Gerstoft MD, Rainer Weber MD, Katarina Westling MD, Gilles Wandeler MD, Jan M Prins PhD, Armin Rieger MD, Marcel Stoeckle MD, Tim Kümmerle PhD, Teresa Bini MD, Adriana Ammassari MD, Richard Gilson MD, Ivanka Krznaric PhD, Matti Ristola PhD, Robert Zangerle MD, Pia Handberg RN, Antonio Antela PhD, Sris Allan FRCP, Andrew N Phillips PhD and Jens Lundgren PhD for the PARTNER Study Group. *Sexual Activity Without Condoms and Risk of HIV Transmission in Serodifferent Couples When the HIV-Positive Partner Is Using Suppressive Antiretroviral Therapy*. **The Journal of American Medical Association, JAMA** 2016 Jul 12;316(2):171-81. [IF: 44.405]
9. **Beloukas A**, King S, Childs K, Papadimitropoulos A, Hopkins M, Atkins M, Agarwal K, Nelson M, Geretti AM. *Detection of the NS3 Q80K polymorphism by Sanger and deep sequencing in hepatitis C virus genotype 1a strains in the UK*. **Clin Microbiol Infect.** 2015 Nov;21(11):1033-9. [IF: 5.768]
10. **Beloukas A**, Paraskevis D, Haida C, Sypsa V, Hatzakis A. *Development and Assessment of a multiplex Real-Time PCR Assay for the Quantification of HIV-1 DNA*. **J Clin Micr.** 2009 Jul;47(7):2194-9. [IF: 4.162]