



### Academic Personnel Short Profile / Short CV

<b>Institution:</b>	The Cyprus Institute of Neurology and Genetics (CING)
<b>Surname:</b>	Karathanasis
<b>Name:</b>	Nestoras
<b>Rank/Position:</b>	Postdoctoral researcher
<b>Program of Study:</b>	MSc in Molecular Medicine / MSc in Medical Genetics / MSc in Neuroscience / MSc in Biomedical Research / MSc in Biotechnology / PhD in Molecular Medicine / PhD in Medical Genetics / PhD in Neuroscience
<b>Scientific Domain: *</b>	Bioinformatics

*\*Field of Specialization*

### Academic qualifications / (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D in Molecular Biology and Bioinformatics	2013	University of Crete	Biology	miRNA-mRNA interactions related with cancer
Master of Science in Molecular Biology and Biomedicine	2008	University of Crete	Biology and Medicine	
Bachelor in Molecular Biology and Genetics	2005	Democritus University of Thrace	Molecular Biology and Genetics	



ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ  
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Qualification	Year	Awarding Institution	Department	Thesis title



**Employment history in Academic Institutions/Research Centers – List by the three (3) most recent**

Period of employment		Employer	Location	Position
From	To			
October 2019	July 2022	Thomas Jefferson University	Philadelphia, United States of America	Teaching Assistant Professor
September 2017	September 2019	Thomas Jefferson University	Philadelphia, United States of America	Postdoctoral Researcher
October 2015	July 2017	Miroculus Company	San Francisco, United States of America	Senior Bioinformatics Engineer

**Key *refereed* journal papers, monographs, books, conference publications etc.  
List the five (5) more recent and other five (5) selected –(max total 10)**

Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	FAIR+E Pathogen data for surveillance and research: lessons from COVID-19	Aitana Neves* , Isabel Cuesta* , Erik Hjerde* , Terje Klemetsen, David Salgado, Jacques Van Helden, Nadim Rahman, Nazeefa Fatima, Nestoras Karathanasis, Pawel Zmora, Wolmar Nyberg Åkerström, Sushma	Policy and Practice Reviews, Frontiers in Public Health - Infectious Diseases: Epidemiology and Prevention	To be announced	To be announced



Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
			Grellscheid, Zahra Waheed and Niklas Blomberg			
2	2022	Reproducibility Efforts as a Teaching Tool: A Pilot Study.	<b>Nestoras Karathanasis*</b> , Daniel Hwang, Vibol Heng, Rimal Abhimannyu, Phillip Slogoff Sevilla, Gina Buchel, Victoria Frisbie, Peiyao Li, Daphne Krioneriti, Isidore Rigoutsos.	Plos Computational Biology		
3	2021	STATegRa: Multi-omics Data Integration – A conceptual scheme with a bioinformatics pipeline.	Nuria Planell, Vincenzo Lagani, Patricia Sebastian-Leon, Frans van der Kloet, Ewoud Ewing, <b>Nestoras Karathanasis</b> , Arantxa Urdangarin, Imanol Arozarena, Maja Jagodic, Ioannis Tsamardinos, Sonia Tarazona, Ana Conesa, Jesper Tegner, David Gomez-Cabrero.	Frontiers in Genetics		
4	2021	Machine learning approaches on identifying genes containing spatial information using Single-Cell Transcriptomics data.	Phillipe Loher, <b>Nestoras Karathanasis*</b> . *Equally first and Corresponding author	Frontiers in Genetics		

Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
5	2021	IsoMiRmap – fast, deterministic, and exhaustive mining of isomiRs from short RNA-seq datasets.	Phillipe Loher, <b>Nestoras Karathanasis</b> , Eric Londin, Paul Bray, Venetia Pliatsika, Aristeidis Telonis, Isidore Rigoutsos.	Bioinformatics		
6	2021	Gene selection for optimal prediction of cell position in tissues from single-cell transcriptomics data.	Jovan Tanevski, Thin Nguyen, Buu Truong, Nikos Karaiskos, Mehmet Eren Ahsen, Xinyu Zhang, Chang Shu, Ke Xu, Xiaoyu Liang, Ying Hu, Hoang V.V. Pham, Li Xiaomei, Thuc D. Le, Adi Tarca, Gaurav Bhatti, Roberto Romero, <b>Nestoras Karathanasis</b> , Phillipe Loher, Yang Chen, Zhengqing Ouyang, Disheng Mao, Yuping Zhang, Maryam Zand, Jianhua Ruan, Christoph Hafemeister, Peng Qui, Duc Tran, Tin Nguyen, Attila Gabor, Thomas Yu, Justin Guinney, Enrico Glaab, Roland Krause, Peter Banda, DREAM	Life Sci Alliance.		



Ref. No.	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
			SCTC Consortium, Gustavo Stolovitzky, Nikolaus Rajewsky, Julio Saez-Rodriguez and Pablo Meyer.			
7	2016	omicsNPC: Applying the Non-Parametric Combination Methodology to the Integrative Anal- ysis of Heterogeneous Omics Data.	<b>Karathanasis N,</b> Tsamardinos I, Poirazi P.	PLoS ONE		
8	2014	Don't use a cannon to kill the ... miRNA mosquito.	<b>Karathanasis N,</b> Tsamardinos I, Poirazi P.	Bioinformatics		
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10						

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.  
(max total 10)**

Ref. No.	Date	Topic	International / Local	Location*	Role in Exhibition
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Ref. No.	Date	Topic	International / Local	Location*	Role in Exhibition
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*\*Specify venue, geographic location etc*



**Research Projects. List the five (5) more recent and other five (5) selected  
(max total 10)**

Ref. No.	Date	Title	Funded by	Project Role*
1	2011 - 2013	Herakleitos II	Awarded 3-year grant by the European Union (European Social Fund—ESF) and the Greek national funds through the Operational Program "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF), to fund my PhD thesis on miRNA-mRNA interactions related with cancer.	PhD candidate
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Ref. No.	Date	Title	Funded by	Project Role*
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*\*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*



**Academic Consulting Services and/or Participation in Councils / Boards / Editorial Committees.  
List the five (5) more recent (Optional Entry)**

Ref. No.	Period	Organization	Title of Position or Service	Key Activities
1	2014	SMODIA2014	Editor for the special issue of BMC Bioinformatics for the Statistical Methods for Omics Data Integration and Analysis.	Paper revisions, communication with the authors
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**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.  
(max total 10) (Optional Entry)**

Ref. No.	Date	Title	Awarded by:
1	2019	Data Sciences Award	Thomas Jefferson University
2	2018	DREAM Single Cell Transcriptomics Challenge.	DREAM consortium
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**Other Achievements. List the five (5) more recent and other five (5) selected.  
(max total 10) (Optional Entry)**

Ref. No.	Date	Title	Key Activities:
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