Academic Personnel Short Profile / Short CV

University:	University of Nicosia
Surname:	Achilleos
Name:	Annita
Rank/Position:	Associate Professor
Faculty:	Medical School
Department:	Basic and Clinical Sciences
Scientific Domain: *	Developmental Biology/Embryology/Histology

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2010	New York University School of Medicine	Developmental Genetics	Establishment of apicobasal polarity and junction formation by the PAR proteins in the *Caenorabditis elegans* embryonic epithelial cells
M.S.	2007	New York University School of Medicine	Cell Biology	
B.S.	2005	University of Massachusetts, Amherst	Biology	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		**Employer**	**Location**	**Position**
From	**To**			
2021	Today	University of Nicosia Medical School	Nicosia, Cyprus	Associate Professor
2015	2021	Baylor College of Medicine	Houston, TX, USA	Research Associate
2010	2015	Stowers Institute for Biomedical Research	Kansas City, MO, USA	Postdoctoral Fellow

Key ***refereed*** journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	**Year**	**Title**	**Other authors**	**Journal and Publisher / Conference**	**Vol.**	**Pages**
1	2026	NR6A1 is essential for neural crest cell specification, formation and survival	Emma Mooore Zajic , William Munoz , Jennifer Dennis , Shachi Bhatt , Daisuke Sakai , **Annita Achilleos**, Ruonan Zhao, Maureen Lamb, Andrew Price , Chris Seidel, Maria Tiana, Antonio Barral, Delaney Clawson, Miguel Manzanares, Paul Trainor	Nature Communications	*17(1): 2140*	
2	2022	Nr6a1 controls Hox expression dynamics and is a master regulator of vertebrate trunk development	Yi-Cheng Chang, Jan Manent, Jan Schroeder, Siew Fen Lisa Wong, Gabriel M Hauswirth, Natalia A Shylo, Emma L Moore, **Annita Achilleos**, Victoria Garside, Jose M Polo, Paul Trainor, Edwina McGlinn	Nature Communications	13 – Article No.: 7766	

3	2022	Dynamic regulation and requirement for ribosomal RNA transcription during mammalian development	Falcon, TF., Watt, KEN., Dash, S., Zhao, R., Sakai, D., Moore, EL., Fitriasari, S., Childers, M., Sardiu, ME., Swanson, S., Tsuchiya, D., Unruh, J., Bugarinovic, G., Li, L., Shiang, R., **Achilleos, A**., Dicon, J., Dixon, MJ., Trainor, PA.,	PNAS	119 (31)	e2116974119
4	2022	Mutations in *Hcfc1* and *Ronin* result in both an inborn error of cobalamin metabolism and a ribosomopathy	**Achilleos, A.***, Chern, T.*, Tong, X, Hill, MC., Saltzman, AB., Reineke, LC., Chaudhury, A., Dasgupta, SK., Redhead, Y., Watkins, D., Neilson, JR., Thiagarajan, P., Green, BA., Malovannaya, A., Martin, JF., Rosenblatt, DS., and Poché, RA.	Nature Communications	13	1-21
5	2020	Mouse models to study the pathophysiology of combined methylmalonic acidemia and homocystinuria, cblC type	Chern*, T., **Achilleos*, A**, Tong, X., Chih-Wei, H., Wong, L., Poché, RA	Developmental Biology	468 (1-2)	1-13
6	2016	The roles of RNA Polymerase I and III subunits *Polr1c* and *Polr1d* in craniofacial development and in zebrafish models of Treacher Collins syndrome	Noack Watt, KE., **Achilleos, A**., Neben, CL, Merrill, AE., Trainor, PA	PLoS Genetics	12 (7)	e1006187
7	2016	Prevention of Treacher Collins syndrome craniofacial anomalies in mouse models via maternal antioxidant supplementation	Sakai, D., Dixon, J., **Achilleos, A.**, Dixon, M., Trainor, PA.	Nature Communications	7	10328
8	2015	Mouse models of rare craniofacial disorders	**Achilleos A.**,Trainor, PA	*Current Topics in Developmental Biology*	115	413-58

9	2015	MBTPS1/SKI-1/S1P proprotein convertase is required for ECM signaling and axial elongation during somitogenesis and vertebral development.	**Achilleos, A.**, Huffman, NT., Marcinkiewicyz, E., Seidah, NG., Chen, Q., Dallas, S., Trainor, PA., Gorski, JP	Human Molecular Genetics		
10	2012	Neural Crest Stem Cells: Discovery, Properties and Potential for Therapy	**Achilleos A.**,Trainor, PA	Cell Research	22	

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

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	2026	Society for the Study of Inborn Errors of Metabolism (SSIEM) Annual Symposium	International	Helsinki, Finland	Invited Speaker
2	2023	11th International Multithematic Bio-Medical Scientific Congress,	International	Nicosia, Cyprus	Invited Speaker
3	2021	Experimental Biology (American Association for Anatomy)	International	Virtual	Committee Member, presentation judge
4	2019	Society for Craniofacial Genetics & Developmental Biology	International	Houston, TX	Speaker
5	2019	Gordon Research Seminar (GRS) and Conference (GRC), Neural Crest and Cranial Placodes	International	Lucca (Barga), Italy	Chair (GRS) Poster Presenter (GRC)
6	2019	Experimental Biology (American Association for Anatomy)	International	Orlando, FL	Committee Member, presentation judge
7	2018	Gordon Research Seminar (GRS) and Conference (GRC), Craniofacial Morphogenesis and Tissue Regeneration	International	Lucca (Barga), Italy	Speaker (GRS)

8	2018	Society for Developmental Biology	International	Portland OR	Poster Presenter
9	2018	National Postdoctoral Association Annual Meeting	National	Cleveland, OH	Panelist
10	2017	Gordon Research Seminar (GRS) and Conference (GRC), Neural Crest and Cranial Placodes	International	Ventura, CA	Speaker (GRS) Discussion Leader (GRC)

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	**Date**	**Title**	**Funded by**	**Project Role***
1	2019-24	Ronin (Thap11) in Neural Crest Cell Development	National Institute of Dental and Craniofacial Research (NIH)	Research Team Member

**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. Number	**Period**	**Organization**	**Title of Position or Service**	**Key Activities**
1	2024-present	Cyprus Veterinary Services	Member of the National Cyprus Committee for the Protection of Animal Use in Scientific Research	To review protocols for the use of animals in research.
2	2017-21	American Association for Anatomy	Member of the Committee for Early-Career Anatomists	To support early-career anatomists by evaluating and awarding undergraduate, graduate and postdoctoral research at the Annual

				Meeting; promote a network for early-career anatomists
3	2019-21	American Association for Anatomy	Member of the Nominating Committee	To prepare a slate of nominees for the elective offices of the Association; to solicit nominations and select recipients for four different awards given by the Association
4	2017	Baylor College of Medicine	Member of the Organizing Committee for the Annual Retreat	To select speakers from abstracts; set the scientific schedule; appoint judges for trainee presentations
5	2014-16	American Association for Anatomy	Member of the Board of Directors	To set and support the Association's strategic plan and mission; to act on behalf of the membership

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Awarded by:
1	2018	1st place – Oral Presentation – "*Ronin (Thap11)*: A new transcriptional regulator of neural crest and craniofacial development"	Department of Molecular Physiology & Biophysics, Baylor College of Medicine, Houston, TX
2	2018	Poster Presentation Award "*Ronin (Thap11)*: A new transcriptional regulator of neural crest and craniofacial development"	Gordon Research Conference, Craniofacial Morphogenesis and Tissue Regeneration, Lucca (Barga), Italy
3	2017	1st place - Postdoctoral Poster presentation "*Ronin (Thap11)*: A new transcription factor implicated in neural crest and craniofacial development"	Society of Developmental Biology Southwest Regional Meeting, Houston, TX
4	2017	1st place - Postdoctoral Platform Award Presentation "A new role of *Ronin (Thap11)* in the neural crest and craniofacial development in the mouse"	American Association of Anatomists at the Experimental Biology Meeting, Chicago, IL

5	2015	1st place – Postdoctoral Poster Presentation "The craniofacial specific role of the ribosomal gene *Polr1c* and its role in Treacher Collins syndrome"	American Association of Anatomists at the Experimental Biology Meeting, Boston, MA
6	2013	1st place - Postdoctoral Platform Award Presentation -"*Germ cell nuclear factor (Gcnf/Nr6a1)* plays a novel role in neural crest cell induction"	American Association of Anatomists at the Experimental Biology Meeting, Boston, MA
7	2012	Postdoctoral Fellowship	American Association of Anatomists
8	2011	Doctoral Degree Class Representative	New York University School of Medicine
9	2011	Sackler Faculty Dissertation Award	New York University School of Medicine
10	2005	CASP Fulbright Scholarship	Fulbright Commission, Nicosia, Cyprus

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Key Activities:
1	2022	Chair, "Vitamins and Minerals in Development and Disease", American Association for Anatomy at Experimental Biology, Philadelphia, PA, USA	
2	2019	Elected Chair, Neural Crest and Cranial Placodes, Gordon Research Seminar in Lucca (Barga), Italy	Responsible for the scientific program; reached out to speakers and discussion leaders for the scientific sessions; responsible for raising funds
3	2017	Discussion Leader, Neural Crest and Cranial Placodes, Gordon Research Seminar in Ventura, CA	Responsible for introducing the speakers of the session; monitor discussion
4	2017	1st place – Baylor College of Medicine Postdoctoral Research Seminar Series, *A Slice of Science*	
5	2017	3rd place – Postdoctoral Poster Presentation – Molecular Physiology & Biophysics, Baylor College of Medicine, Annual Retreat	

6	2015	2nd place – Postdoctoral Poster Presentation – Stowers Institute, Young Investigators Research Retreat	
7	2012	Most Popular Oral Presentation, Stowers Institute for Medical Research	
8	2009	Award for Outstanding Poster Presentation, Skirball Institute, New York University School of Medicine Annual Retreat	
9	2005	Honors Deans Award – Commonwealth College at the University of Massachusetts, Amherst	
10	2005	Outstanding Senior Undergraduate Student of the Year – Department of Biology, University of Massachusetts, Amherst	