

Academic Personnel Short Profile / Short CV

| | |
|-----------------------------|-----------------------------|
| University: | University of Nicosia |
| Surname: | Philippou |
| Name: | Styliani |
| Rank/Position: | Assistant Professor |
| Faculty: | Medical School |
| Department: | Basic and Clinical Sciences |
| Scientific Domain: * | Human Genetics |

* *Field of Specialization*

| Academic qualifications (list by highest qualification) | | | | |
|--|------|--|--|--|
| Qualification | Year | Awarding Institution | Department | Thesis title (Optional Entry) |
| PhD, Molecular Medicine | 2018 | The Cyprus Institute of Neurology & Genetics | Molecular Genetics, Function & Therapy | Selection and identification of skeletal muscle-specific RNA aptamers |
| MSc, Medical Science | 2010 | University of Bristol, United Kingdom | Medicine and Dentistry, Faculty of Health Sciences | Stem cells will be used to cure stroke by the year 2030. Referring to currently available evidence and what you know about stem cells and stroke, discuss whether you think the statement is true or not |
| BSc, Biomedical Science | 2009 | Anglia Ruskin University, Cambridge Campus, United Kingdom | Life Sciences, Faculty of Science and Technology | Detectability of <i>Adalia Bipunctata</i> prey DNA within the gut of the predator <i>Harmonia axyridis</i> : a PCR-based method |
| | | | | |

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

| Period of employment | | Employer | Location | Position |
|----------------------|---------|---------------------------|-----------------|--------------------------------|
| From | To | | | |
| 01/2026 | Present | University of Nicosia | Nicosia, Cyprus | Assistant Professor |
| 11/2025 | Present | Cell-Free Genomics, Ltd | Nicosia, Cyprus | R&D Associate Senior Scientist |
| 11/2022 | 10/2025 | Medicover Genetics Cyprus | Nicosia, Cyprus | R&D Scientist |

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 | 2023 | Selective Delivery to Cardiac Muscle Cells Using Cell-Specific Aptamers | Mastroiannopoulos NP, Tomazou M, Oulas A, Ackers-Johnson M, Foo RS, Spyrou GM, Phylactou LA | Pharmaceuticals (Basel) | 16, Issue 9 | N/A |
| 2 | 2025 | Investigating TNNC1 gene inheritance and clinical outcomes through a comprehensive familial study (poster) | N/A | 58th European Human Genetics Conference, Milan, Italy | N/A | N/A |
| 3 | 2024 | Development of a non-invasive prenatal diagnostic test for rare monogenic disorders (poster) | N/A | 57th European Human Genetics Conference, Berlin, Germany | N/A | N/A |
| 4 | 2020 | <i>In vivo</i> Cell-SELEX: A method for selecting highly specific cell-targeted aptamers upon systemic administration in animal models (oral) | N/A | Aptamers 2020 Conference, Oxford, United Kingdom | N/A | N/A |

| | | | | | | |
|----|------|---|---|---|-----|---------|
| 5 | 2019 | Chapter 1. Developing Aptamers for the Delivery of Therapeutic RNA, A Comprehensive Guide to Aptamers (book chapter) | Nikolaos P. Mastrogiannopoulos and Leonidas A. Phylactou | Nova Science Publishers, New York, USA, Lide Sciences Research and Development Series | N/A | 1-70 |
| 6 | 2019 | Identification of RNA aptamers for therapeutic oligonucleotide delivery in the heart of Duchenne muscular dystrophy mice (oral) | N/A | Aptamer 2019 Conference, Oxford, United Kingdom | N/A | N/A |
| 7 | 2018 | Selection and Identification of Skeletal-Muscle-Targeted RNA Aptamers. | Mastrogiannopoulos, N. P., Makrides, N., Lederer, C. W., Kleanthous, M., & Phylactou, L. A. | Molecular Therapy Nucleic Acids, Cell Press | 10 | 149-153 |
| 8 | 2018 | Identification of RNA aptamers for oligonucleotide delivery in Duchenne muscular dystrophy (poster). | N/A | Cyprus Society of Human Genetics 2018 Conference, Nicosia, Cyprus | N/A | N/A |
| 9 | 2017 | Specific delivery of therapeutic sequences in muscle by RNA aptamers (oral). | N/A | 5th International Multi-thematic Scientific Bio-Medical Congress, Nicosia, Cyprus | N/A | N/A |
| 10 | 2010 | Is <i>Harmonia axyridis</i> really eating <i>Adalia bipunctata</i> in the wild? | Thomas, A., Ware, R.L., Kitson, H. and Brown, P.M.J. | Benefits and Risks of Exotic Biological Control Agents IOBC/wprs | 58 | 149-153 |

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 | 24-27 May, 2025 | Human Genetics | International | Milan, Italy | Poster |

| | | | | | |
|----|-----------------------------|------------------------------|---------------|------------------------|---------------------------------------|
| 2 | 01-04 June, 2024 | Human Genetics | International | Berlin, Germany | Poster |
| 3 | 04-05 December, 2020 | Synthetic Biology (aptamers) | Local | Nicosia, Cyprus | Selected oral presentation |
| 4 | 03-04 September, 2020 | Synthetic Biology (aptamers) | International | Oxford, United Kingdom | Selected oral presentation |
| 5 | 03-04 April, 2019 | Synthetic Biology (aptamers) | International | Oxford, United Kingdom | Selected oral and poster presentation |
| 6 | 24-25 November, 2018 | Synthetic Biology (aptamers) | Local | Nicosia, Cyprus | Selected poster presentation |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |

**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 | 2022-2024 | New Minimal Residual Disease Detection Liquid Biopsy Test (NeoMRD). INNOVATE/1221/0002 | Research and Innovation Foundation, Cyprus | Research Team Member |
| 2 | 2021-2023 | Development of Non-Invasive Prenatal Testing (NIPT) for Fetal Whole Exome Screening. INNOVATE/0719(B)/0021 | Research and Innovation Foundation, Cyprus | Primary Researcher |

| | | | | |
|----|-----------|--|------------------------------|----------------------|
| 3 | 2019-2020 | Investigating the role of aptamers as targeted molecular vehicles for muscle therapeutics. | The A.G. Leventis Foundation | Primary Supervisor |
| 4 | 2020-2022 | Investigation of a novel muscle cell communication pathway | The A.G. Leventis Foundation | Co-Supervisor |
| 5 | 2012-2022 | Development of aptamers for therapeutic delivery in skeletal muscles | The A.G. Leventis Foundation | Primary Researcher |
| 6 | 2011-2012 | Reversal of myoblast formation using the Twist adenovirus for (a) molecular characterization and (b) subsequent fate trans-differentiation towards the osteogenic and adipogenic lineage | The A.G. Leventis Foundation | Research Team Member |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

**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 | 2025-2027 | Cyprus Society of Human Genetics | Board Member | Elected board member of local scientific society dedicated to advancing human genetics research and education in Cyprus, through strategic decisions, scientific initiatives and professional development activities. |
| 2 | 2025 | Cyprus Society of Human Genetics | 10 th International Cyprus Society of Human Genetics co-organizer | Financial oversight, conference planning and co-ordinator |
| 3 | 2023 | Frontiers in Genetics | Reviewer | Reviewed submitted manuscript |

| | | | | |
|---|-----------|----------------------------------|-----------|---|
| 4 | 2023-2025 | Cyprus Society of Human Genetics | Treasurer | <ul style="list-style-type: none"> • Elected board member of national scientific society dedicated to advancing human genetics research and education in Cyprus. • Responsible for financial oversight, coordination of society activities, and support of academic outreach and conference planning. |
| 5 | | | | |

| 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 | 2012-2018 | TELETHON Cyprus, PhD Scholarship | The Cyprus Institute of Neurology & Genetics, Scientific Council Committee |
| 2 | 2017 | PANOS IOANNOU Junior Scientist Award 2017 | The Cyprus Institute of Neurology & Genetics, Scientific Council Committee |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |

**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 | 2019 | Inclusiveness Target Countries (ITC) Conference Grant (travel grant), COST Action: CA17103 - Delivery of Antisense RNA Therapeutics (DARTER) | Attended and presented research project related activities at the Aptamers 2029 conference, Oxford, United Kingdom |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |