



Academic Personnel Short Profile / Short CV

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|-----------------------------|--|
| Institution: | The Cyprus Institute of Neurology & Genetics (CING) |
| Surname: | KYRIAKOU |
| Name: | SOTIRIS |
| Rank/Position: | Faculty Affiliated Member/ Laboratory Scientific Officer – 1 |
| Program of Study: | MSc in Molecular Medicine / MSc in Medical Genetics / MSc in Neuroscience / MSc in Biomedical Research / PhD in Molecular Medicine / PhD in Medical Genetics / PhD in Neuroscience |
| Scientific Domain: * | Chemistry (Organic/ Biological/ Analytical), Biochemistry |

**Field of Specialization*

Academic qualifications / (list by highest qualification)

| Qualification | Year | Awarding Institution | Department | Thesis title |
|--|-----------|--|-------------------------------|---|
| Doctor of Philosophy (PhD) in Organic and Biological Chemistry | 2016-2019 | Northumbria University, Newcastle Upon Tyne, UK. | School of Applied Sciences | Synthesis and Biological Evaluation of metal chelators of the family of hydroxypyridinones as potential treatment of Parkinson's Disease and malignant melanoma cancer. |
| Master of Science (MSc) in Drug Chemistry | 2015-2016 | Newcastle University, Newcastle Upon Tyne, UK | School of Chemistry | Making a Chemical Library of substituted Benzimidazole derivatives and evaluation for antifungal and/or antibacterial potency. |
| Bachelor of Science (BSc) in Biochemistry | 2012-2015 | University of East Anglia, Norwich, UK | School of Biological Sciences | Targeted gene silencing of major alkaloid biosynthesis genes (s/s, |



| Qualification | Year | Awarding Institution | Department | Thesis title |
|---------------|------|----------------------|------------|---|
| | | | | <i>tdc, str and sgd</i> in the medicinal plant <i>Catharanthus roseus</i> . |

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

| Period of employment | | Employer | Location | Position |
|----------------------|---------|---|--|---|
| From | To | | | |
| 09/2020 | Date | Cyprus Institute of Neurology & Genetics, Nicosia, Cyprus | Department of Cancer Genetics Therapeutics and Ultrastructural Pathology | Laboratory Scientific Officer |
| 09/2020 | Date | Cyprus Institute of Neurology & Genetics, Nicosia, Cyprus | The Postgraduate School of Cyprus Institute of Neurology & Genetics, Nicosia, Cyprus | Faculty Affiliated Member at the Postgraduate School of Cyprus Institute of Neurology & Genetics, Nicosia, Cyprus for the MM102 course; Molecular Basis of Complex Diseases |
| 10/2019 | 09/2020 | Northumbria University, Newcastle Upon Tyne, UK | Department of Applied Sciences | Senior Research Assistant (Postdoctoral Researcher) |

**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 | A Naturally Derived Watercress Flower-Based Phenethyl Isothiocyanate-Enriched Extract Induces the Activation of Intrinsic Apoptosis via Subcellular Ultrastructural and Ca ²⁺ Efflux Alterations in an <i>In Vitro</i> Model of Human Malignant Melanoma. | Kyriakou S. , Potamiti L., Demosthenous N., Amery T., Stewart K., Winyard P.G., Franco R., Pappa A., Panayiotidis M.I. | <i>Nutrients</i> | 15 | 1-18 |
| 2 | 2023 | Chemical profiling and antioxidant and anti-amyloid capacities of <i>Salvia fruticosa</i> extracts from Greece. | Ververis A., Kyriakou S. , Ioannou K., Chatzopoulou P.S., Panayiotidis M.I., Plioukas M., Christodoulou K. | Plants | 12 | 1-19 |
| 3 | 2023 | Catching up with tetrazines: Coordination of Re(I) to 1,2,4-Triazine Facilitates an Inverse Electron Demand Diels-Alder Reaction with Strained Alkynes to a Greater Extent than in Corresponding 1,2,4,5-Tetrazines. | Sims M., Kyriakou S. , Matthews A., Deary E.M., Kozhevnikov, N.V. | <i>Dalton Transactions</i> | 52 | 1-10 |
| 4 | 2023 | <i>Sideritis scardica</i> extracts demonstrate | Ververis A., Ioannou K., Kyriakou S. , Violaki N., Panayiotidis M.I., | Plants | 12 | 1-22 |

| Ref. No. | Year | Title | Other authors | Journal and Publisher / Conference | Vol. | Pages |
|----------|------|--|--|--------------------------------------|------|-------|
| | | neuroprotective activity against A β ₂₅₋₃₅ toxicity. | Chatzopoulou S.P., Plioukas M., Christodoulou K. | | | |
| 5 | 2023 | Chemical characterization and cytotoxic evaluation of <i>Epilobium parviflorum</i> methanolic extracts in an <i>in vitro</i> model of human malignant melanoma. | Kyriakou S. , Trangkola V., Paraskevaidis I., Plioukas M., Trafalis D.T., Franco R., Pappa A., Panayiotidis M.I. | Plants | 12 | 1-16 |
| 6 | 2022 | Polyphenolics, glucosinolates and isothiocyanates profiling of aerial parts of <i>Nasturtium officinale</i> (Watercress). | Kyriakou S. , Michailidou K., Amery T., Stewart K., Winyard P.G., Trafalis D.T., Franco R., Pappa A., Panayiotidis M.I. | <i>Frontiers in Plant Sciences</i> | 13 | 1-14 |
| 7 | 2022 | Targeting the epigenome in malignant melanoma: Facts, challenges and therapeutic promises. | Anestopoulos I., Kyriakou S. , Trangkola V., Paraskevaidis I., Tzika E., Mitsiogianni M., Deligiorgi M., Petrakis G., Trafalis D.T., Botaitis S., Giatromanolaki A., Koukourakis M., Franco R., Pappa A., Panayiotidis M.I. | <i>Pharmacology and Therapeutics</i> | 240 | 1-24 |
| 8 | 2022 | Chemical Profiling, Antiproliferative and Antimigratory Capacity of <i>Haberlea rhodopensis</i> Extracts in an In Vitro Platform of Various Human Cancer Cell Lines. | Spyridopoulou K.,* Kyriakou S. ,* Nomikou A., Roupas A., Ermogenous A., Karamanoli K., Moyankova D., Djilianov D., Galanis A., | Antioxidants | 11 | 1-20 |

| Ref. No. | Year | Title | Other authors | Journal and Publisher / Conference | Vol. | Pages |
|----------|------|--|---|------------------------------------|------|-----------|
| | | | Panayiotidis M.I., Pappa A. | | | |
| 9 | 2021 | Evaluation of Bioactive Properties of Lipophilic Fractions of Edible and non-Edible Parts of <i>Nasturtium officinale</i> (watercress) in a Model of Human Malignant Melanoma Cells. | Kyriakou S. , Tragkola V., Alghol H., Anestopoulos I., Amery T., Stewart K., Winyard P., Trafalis D.T., Franco R., Pappa A., Panayiotidis M.I. | Pharmaceuticals | 15 | 1-21 |
| 10 | 2021 | Benzyl and phenethyl isothiocyanates as promising epigenetic drug compounds by modulating histone acetylation and methylation marks in malignant melanoma. | Mitsiogianni M., Anestopoulos I., Kyriakou S. , Trafalis D.T., Franco R., Pappa A., Panayiotidis M.I. | Investigational New Drugs | 39 | 1460-1468 |

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 |
|----------|---------|---|---|----------------|---|
| 1 | 11/2023 | Naturally-derived phenethyl isothiocyanate induces perturbations in cellular oxidative status and promotes Ca ²⁺ depended activation of intrinsic apoptosis via subcellular ultrastructural alterations in an vitro model of human malignant melanoma. | 29th <i>International Conference on Chelation (ICOC) - A Landmark on Chelation Science and Medicine</i> ; 8th <i>International Conference on Oncology and Anticancer Research (ICOAR)</i> ; 11th <i>International</i> | Paphos, Cyprus | Invited Speaker, Member of the Local Scientific Committee |

| Ref. No. | Date | Topic | International / Local | Location* | Role in Exhibition |
|----------|---------|--|--|--------------------------|---------------------|
| | | | <i>Conference on Recent Advances in Health and Medical Sciences (RAHMS); 1st Post-COVID-19 Conference 2023</i> | | |
| 2 | 2022 | Watercress extract-contained major phytochemicals induce a cytotoxic response by regulating the expression of key apoptotic gene targets in an in vitro model of human malignant melanoma. | 10th International Multithematic Medical Congress (IMBMC) "Scientific Cyprus" School of Medicine, European University Cyprus | Nicosia, Cyprus | Poster Presentation |
| 3 | 2022 | Chemical characterization and biological evaluation of <i>Nasturtium officinale</i> (watercress) in an experimental model of human malignant melanoma | 10th International Multithematic Medical Congress (IMBMC) "Scientific Cyprus" School of Medicine, European University Cyprus | Nicosia, Cyprus | Poster Presentation |
| 4 | 2022 | Development, efficacy and safety of a novel therapeutic protocol against an experimental model of human malignant melanoma. | <i>European Society for Alternatives on Animal Testing (EUSAAT)</i> | <i>Linz, Austria</i> | Poster Presentation |
| 5 | 2022 | Tazemetostat-induced reduction of EZH2 enhances cellular sensitivity to apoptosis in an in vitro model of human malignant melanoma. | International Meeting on "Epigenetics and Epigenomics in Health & Disease" | Brussels, Belgium | Poster Presentation |
| 6 | 02/2020 | The road to personalized anticancer therapy: utilizing the LAT transporter as a selective mode of iron deprivation | National Cancer Institute, <i>NCRI Cancer Conference</i> | Newcastle Upon Tyne, UK. | Poster Presentation |

| Ref. No. | Date | Topic | International / Local | Location* | Role in Exhibition |
|----------|---------|---|---|--------------------------------|---------------------|
| 7 | 10/2020 | Cruciferous vegetables-based isothiocyanate compounds as novel epigenetic modulators in human malignant melanoma. Antioxidants. | <i>The 1st International E-Conference on Antioxidants in Health and Disease eConference.</i> | eConference (Cyprus) | Poster Presentation |
| 8 | 07/2019 | Novel insights into the role of a methylated analogue of <i>L</i> -mimosine in an in vitro model of malignant melanoma | <i>28th International Conference on Chelation-A Landmark on Chelation Science and Medicine, 7th International Conference on Oncology and Anticancer Research, 10th International Conference RAHMS: Recent Advances in Health and Medical Sciences</i> | Paphos, Cyprus | Invited Speaker |
| 9 | 04/2017 | Targeted Iron (III) chelation by small molecules of the hydroxypyridinone family in a Parkinsonian model. | <i>RSC Organic Chemistry – North East division</i> | Leeds University, Leeds, UK. | Invited Speaker |
| 10 | 03/2016 | The role of redox active metals in neuronal degradation. – <i>RSC Organic Chemistry – North East division</i> | <i>RSC Organic Chemistry – North East division</i> | Durham University, Durham, UK. | Invited Speaker |

*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 | 2023-2027 | Marie Sklodowska-Curie Actions “Staff Exchanges”: “Multi-Actor Research and Innovation Approaches for Functional Food (RIA4FOOD)” (PI Prof Dr Mihalis I. Panagiotidis) Budget: €1,628,400 | European Commission, Brussels | Co-Principal Investigator |
| 2 | 2023-2027 | Horizon Europe Research and Innovation Action (RIA): “Adaptation to climate change in the rhizosphere across the millennia (TOLERATE)” (PI Prof Dr Mihalis I. Panagiotidis) Budget: €4,999,021 | European Commission, Brussels | 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. No. | Period | Organization | Title of Position or Service | Key Activities |
|----------|--------|--|--|---|
| 1 | 2022 | MDPI – Antioxidants | Guest Editor for the topic; Natural Products as Agents of Targeted Cancer Therapeutic Action | Reviewing scientific publications |
| 2 | 2023 | The Cyprus Institute of Neurology & Genetics | CING 2023 Communications Strategy | Proposed of strategies for the CING communication and promotion |
| 3 | 2023 | Frontiers in Natural Products | Associate editor | Reviewing scientific publications |

**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 | The Young Investigator's 'International Journal of Molecular Sciences'. | Awarded by <i>28th International Conference on Chelation-A Landmark on Chelation Science and Medicine, 7th International Conference on Oncology and Anticancer Research, 10th International Conference RAHMS: Recent Advances in Health and Medical Sciences.</i> |
| 2 | 2021 | The Panos Ioannou Junior Scientist Award | Awarded by the Cyprus Institute of Neurology & Genetics (CING). |



**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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