Curriculum Vitae

Savvas Christoforidis

Professor of Biological Chemistry, Department of Medicine, University of Ioannina, Greece

University of Ioannina

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Director of the Biomedical Research Institute, Foundation for Research & Technology Hellas, Ioannina, Greece

Ioannina 2026

A. Short description of *Curriculum Vitae*

Savvas Christoforidis graduated from the University of Thessaloniki in 1990 (Degree in Chemistry with Suma cum Laude), got his PhD in "Biological Chemistry", Department of Medicine, in the University of Ioannina in 1995 and then moved to EMBL/Heidelberg/Germany for Post-doctoral studies in the field of Cell and Molecular Biology, as a Marie Curie fellow. In 2000 he received a Marie Curie Return Fellowship, to return to Greece as an independent researcher. In 2001 he was elected Lecturer of Biological Chemistry in the Department of Medicine in the University of Ioannina, where he was promoted to Assistant Professor (2007), Tenured Assistant Professor (2011), Associate Professor (2014) and Professor (2018, until to date). Since 2001 he is Affiliated Researcher of the Biomedical Research Institute at Ioannina (BRI/FORTH) (https://www.bri.forth.gr/bri-people/en/christoforidis-laboratory), where his group is located. In this Institute, BRI-FORTH at Ioannina, he served as Acting Director (11/2019–09/2022) and was subsequently elected Director (10/2022–present). He also served as a member of the Scientific Council of IMBB-FORTH (07/2016–07/2020). In 2002, he received the **EMBO Young Investigator award** (https://yip-search.embo.org/#/yip/2421). He has participated in 38 successful grant applications, in 18 of which he was the scientific responsible (European FP6, EMBO, Excellence II, Excellence-IKY, EDBM34, Marie Curie Horizon Europe MSCA-PF, HFRI for Researchers etc). His work has been published in high impact Journals, such as Nature, Nature Cell Biology, Cell, Journal of Cell Biology, Cell, Mol Cell, PLoS Biology, EMBO Journal, Journal of Cell Science, J Biol Chem and has received over 5,000 citations (in Scopus). The main research interest of the group is to understand the role of intracellular vesicular transport in vascular physiology and the implications in vascular diseases. As an experimental model, the group uses primary endothelial cells, focusing on the spatio-temporal orchestration and the molecular interconnections between receptor endocytosis, signalling and exocytosis and their consequences in vascular homeostasis and in serious vascular diseases. The team also collaborates with research institutes in the country to identify new molecules with anticancer properties. A new direction of the group is to investigate the role of endocytosis of growth factor receptors in the differentiation of human embryonic stem cells towards endothelial cells, as well as the role of endothelial cells in Alzheimer's. For more information: https://www.bri.forth.gr/en/research-en/item/117-savvas-christoforidis

B. *Curriculum Vitae in detail*

1. Personal details

Place and date of birth:	Ioannina, 17-7-1968
Nationality:	Greek
Marital status:	Married, 2 children
Residence address:	Andrea Papandreou 21, 45221, Ioannina
Contact info:	tel. 2651007808 (lab) 2651067109 (home) 6944434431 (mob) email: savvas_christoforidis@bri.forth.gr, schristo@uoi.gr
Present position:	• Director of the Biomedical Research Instiute, Foundation for Research & Technology Hellas, Ioannina, Greece • Professor of Biological Chemistry, Department of Medicine, University of Ioannina, Greece

Lab webpages:

- https://www.bri.forth.gr/en/research/Savvas-Christoforidis.1/
- https://med.uoi.gr/didaskontes/savvas-christoforidis/

Orcid: https://orcid.org/0000-0002-0210-0713

2. Studies

2.1. Undergraduate and Doctoral studies

1983-1986 2nd Lyceum of Ioannina, Grade: 19.8 "Suma cum laude"

1986-1990 **Ptychion in Chemistry,** Aristotle University of Thessaloniki, School of Sciences, grade 8.93/10.00 "Suma cum laude"

Number of class and laboratory courses in Biochemistry: 11
Grade in each: 10.

Diploma thesis in the Laboratory of Biochemistry: "Study of L-Asparaginase-Kinase from Tetrahymena pyriformis membranes" (Grade: "Excellent"). Supervisor: Professor Mr. Dimitrios Kyriakidis

1990-1995 **PhD Thesis**, Laboratory of Biological Chemistry, Medical School, University of Ioannina, with title: "Purification and properties of the enzyme ATP diphosphohydrolase from human placenta". Thesis grade: "Excellent". Supervisor: Professor Orestes Tsolas

2.2. Foreign Languages

English (Very Good),
German (average)

2.3. Participation in Laboratory Practical Courses and Summer Schools

- Spetsai Summer School on Molecular and Cellular Biology "New Developments in Lipid Protein Interactions and Receptor Function", Spetsai, 16-27 August, 1992.
- The Nobel Prizewinners meeting in Lindau/Lake Constance, 28 June - 2 July 1993.
- Spetsai Summer School on Molecular and Cellular Biology "Protein Structure Function and Design", Spetsai, Greece, 30 August - 12 September, 1993.
- FEBS/EMBL Practical Course "Advanced Methods: DNA Sequencing and Microinjection", Prague, Czech Republic, 12-18 September, 1994.
- EMBO-YIP Symposium on "Quantitative Biology", 24–26 June 2005, EMBL, Heidelberg, Germany, 2002

3. Career positions after the PhD

(1995-1996) *(military service)*

1996-2000 **Post-doctoral Fellow** (Marie Curie TMR fellow, EU-FP4) at European Molecular Biology Laboratory, EMBL

2000-2001 **Post-doctoral Researcher** (Marie Curie Individual Return Fellow, EU-FP5), Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece.

2001-2007 **Lecturer,** Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece.

2007-2011 **Assistant Professor,** Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece.

2011-2014 **Tenured Assistant Professor,** Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece.

2014-2018 **Associate Professor,** Laboratory of Biological Chemistry, Department of

Medicine, University of Ioannina, Greece.

2018-today **Professor,** Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece.

2001- 2019 **Collaborating Researcher** of the Biomedical Research Institute, FORTH, in Ioannina. This Institute joined FORTH in 2001. In 2012 it merged with IMBB/FORTH (as a Department-outstation of IMBB at Ioannina, until 2022).

2019-2022 **Head** of the Department of Biomedical Research of IMBB/FORTH in Ioannina

2022-2026 **Director** of the re-established Institute of Biomedical Research of FORTH, at Ioannina

4. Teaching

4.1. Undergraduate courses and laboratory practicals

1990-1995 Participation in teaching of Chemistry and Biochemistry laboratory courses, Medical School, University of Ioannina (as a doctoral student).

2001-2002 Laboratory practicals of Chemistry and Biochemistry, Medical School, University of Ioannina.

2002-2018 Laboratory practical "Enzyme Kinetics" of the Laboratory course "Biochemistry II", of the Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina.

2003-2004 Participation in teaching the course "Biology I (Introduction to the Cellular Theory & Principles of Cellular Regulation, Methods of studying and culturing of cells" for second year medical students (3rd semester), Medical School, University of Ioannina.

2003-2005 Participation in teaching the course "Cell Biology" for students of the Department of Chemistry, University of Ioannina.

2003-2010 Participation in teaching the course "Biology I (Organelle biogenesis - Basic Cellular Functions)" of second year medical students (3rd semester), Medical School, University of Ioannina.

2004 Participation in teaching the course "The Biotechnology of DNA", Department of Medicine, University of Ioannina. Course title: "Blood flow and thrombosis: The role of membrane organization and exocytosis of endothelial cells".

2004-2007 Participation in teaching the course "Biochemistry II (Metabolism)", 2nd year medical students (3rd semester), Medical School, University of Ioannina. Course title: "Amino acid and nucleotide metabolism"

2008- today Participation in teaching the course "Intercellular Communication", Department of Biological Applications and Technologies, University of Ioannina.

2009-2013 Participation in teaching the course "Biochemistry I (Molecular Design of life)", 3rd semester, Medical School, University of Ioannina.

2014 Participation in teaching the course Biotechnology of DNA / Department of Medicine. Course title: "Super-resolution microscopy and its applications"

2013- today Participation in teaching the course "Biochemistry II (Metabolism)", 3rd semester, Medical School, University of Ioannina. Course title: "Signal transduction" and "Carbohydrate metabolism".

2019- today Teaching of the laboratory practical "Metabolic fate of pyruvate acid" of the Laboratory course "Biochemistry II", Department of Medicine, University of Ioannina.

4.2. Post-graduate Teaching

2002-today Participation in the teaching of the course "Topics in Molecular and Cell Biology" in the Interinstitutional, Interdepartmental Postgraduate Program "Molecular Cell Biology and Biotechnology" co-organized by the Departments of Medicine, Biological Applications and Technologies and Chemistry of the University of Ioannina and the Institute of Biomedical Research of the Foundation for Research and Technology (FORTH).

2013 Teaching in the Postgraduate Program "Translational Research in Molecular Biology and Genetics" of the Department of Molecular Biology and Genetics, Democritus University of Thrace, topic: "Study of endocytic and exocytic pathways using microscopy-based techniques", Alexandroupoli, 14-12-2013.

2014-2020 Participation in the teaching of the course "Research Methodology" in the Interinstitutional, Interdepartmental Postgraduate Program "Molecular Cell Biology and Biotechnology". Topic: "Superesolution microscopy and its applications"

2015-2016 Participation in the teaching of the course "Intercellular Communication" in the Postgraduate Program "Basic Biomedical Sciences" of the Department of Medicine of the University of Ioannina.

2015-2024 Participation in the teaching of the course "Cellular and Molecular Biology" in the Postgraduate Program "Medical Chemistry" co-organized by the departments of Chemistry, Medicine and Biological Applications and Technologies of the University of Ioannina.

2015-2024 Participation in the teaching of the course "Biological Chemistry" in the Postgraduate Program "Basic Biomedical Sciences" of the Department of Medicine of the University of Ioannina.

2016 Participation in the teaching of the course "Molecular Medicine" in the Postgraduate Program "Clinical Applications of Molecular Medicine" of the Department of Medicine of the University of Thessaly.

2021-today Participation in the teaching of the course "Molecular Oncology: Cell Growth, Differentiation and Cancer" topic: "The role of endocytosis in angiogenesis and cancer" in the Interinstitutional, Interdepartmental Postgraduate Program "Molecular Cell Biology and Biotechnology"

2022 Participation in the teaching of the postgraduate program “Biomedical Sciences” of the Department of Medicine of the University of Patras, topic: "The role of intracellular vesicular circulation in signal transduction".

2000-today Supervisor in 12 concluded and 3 ongoing postgraduate dissertations, of the Interinstitutional Postgraduate Program "Molecular Cell Biology and Biotechnology", the Interdepartmental Postgraduate Program “Medicinal Chemistry” and the Postgraduate Program “Basic Biomedical Sciences”.

5. Teaching-oriented publications

2000 Editing of the Laboratory Practical book in Chemistry, of the Medical School of the University of Ioannina.

2003 Writing of the lectures of the course Biochemistry II "Metabolism of proteins and amino acids" of the Medical School, within the program "Reforming the undergraduate program of the Department of Medicine of the University of Ioannina".

2004 Participation in the scientific editing and translation of Chapter 27, "Protein trafficking" of the book "Genes VIII" from English to Greek.

2004, 2019 New edition of the Laboratory Practical "Kinetics of Enzymatic Reactions" of the Laboratory Practicals of Biochemistry of the Medical School of the University of Ioannina. (Written in 2004 and updated in 2019)

2015 Participation in the scientific editing and translation, from English to Greek, of the book "Biochemistry: Lippincott's Illustrated Reviews", 6th edition, 2014, Denise R. Ferrier.

2017 Participation in the scientific editing and translation, from English to Greek, of the book "Molecular Cell Biology by Lodish et al (2016), 8th edition" (translation and scientific editing of Chapter 14, Vesicular transport, Secretion and Endocytosis) .

2010-2021 Participation in the scientific editing and translation from English into Greek of the Chapter "Protein sorting and Transport. Endoplasmic reticulum, Golgi apparatus and lysosomes" of the book "The Cell: A Molecular Approach", 5th, 7th and 8th editions, Cooper GM, Hausman RE, 5th, 7th & 8th ed., Sinauer, 2010, 2016, 2019.

2019 Participation in the scientific editing and translation, from English to Greek, of the book “Biochemistry”, of Reginald H. Garrett and Charles M. Grisham, 6th edition, 2019.

2024 Participation in the scientific editing and translation, from English to Greek, of the book “Biochemistry”, of Berg, Gatto, Hines, Heller, Tymoczko, and Stryer, 10th edition, 2023.

2024 Participation in the scientific editing and translation, from English to Greek, of the book Lehninger “Principles of Biochemistry”, of Nelson, Cox, Hoskins, 8th edition, 2021

6. Administrative appointments, participation in committees and other organizational activities

2001-2007 Member of the General Assembly of the Program "Biochemistry" (PSE Biochemistry) of the University of Ioannina.

2001-today Member of the General Assembly of the Interinstitutional Interdepartmental Postgraduate Program "Molecular Cell Biology and Biotechnology" co-organized by the Departments of Medicine, Biological Applications and Technologies and Chemistry of the University of Ioannina and the Institute of Biomedical Research of the Foundation for Research and Technology Hellas (FORTH).

2002-2006 Member of the General Assembly of the Department of Medicine of the University of Ioannina.

2003 Participation in the writing of the proposal "Reform of Undergraduate Curriculum of the Medical School of the University of Ioannina", EPEAEK II, in the part that concerns the course of Biochemistry.

2008-today Participation, as evaluator, in elective bodies of faculty members:

- Assistant Professor of Biol. Chemistry, Medical School, University of Thessaloniki AUTh (Thessaloniki, 7-2-2008)
- Assistant Professor of Biol. Chemistry, Medical School, University of Thessaloniki AUTh (Thessaloniki, 7-2-2008)
- Lecturer in Biological Chemistry, Medical School, University of Larissa (Larissa, 5-5-2010)
- Assistant Professor of Molecular Biochemistry, Medical School, National and Kapodistrian University of Athens, 23-06-2016
- Assistant Professor of Pharmacology, Department of Medicine, University of Ioannina, 21.9.2017
- Associate Professor of Microbiology, Department of Medicine, University of Ioannina, 23.3.2018
- Researcher B ', EKEVE Fleming, July 2018
- Assistant Professor of Biochemistry with emphasis on Pathobiochemistry, Department of Medicine, University of Patras, 24.10.2018
- Assistant Professor of Medical Biopathology-Microbiology and Hygiene, Department of Medicine, University of Ioannina, 4.02.2019
- Assistant Professor of Clinical Chemistry, Department of Medicine, University of Ioannina, 26.3.2019
- Assistant Professor of "Biochemistry", Department of Medicine, University of Patras, 4.4.2019
- Assistant Professor of Cell Biochemistry, Department of Medicine, University of Thessaly, 07.05.2019
- Assistant Professor of Medical Biochemistry, Department of Medicine, AUTh, 10.03.2020
- Professor of Pharmacology, Department of Medicine, University of Ioannina, 10.07.2020
- Professor of "Biological Chemistry", Department of Medicine, EKPA, 24.02.2021
- Assistant Professor of "Pharmacology", Department of Medicine, University of Ioannina, 12.04.2021
- Associate Professor of Biochemistry-Molecular Biology, Department of Medicine, AUTh, 30.06.2021
- Professor of "Pharmacology", Department of Medicine, University of Ioannina, 14.09.2021
- Assistant Professor of "Biology" Department of Medicine, University of Ioannina, 15.11.2021
- Professor of "Biochemistry with emphasis on the study of receptors of pharmaceutical interest" Department of Pharmacy, University of Patras, 21.12.2021
- Professor of Biochemistry of Metabolism, Department of Nutrition and Dietetics, International Hellenic University, 23.03.2022
- Professor of Biochemistry, Department of Chemistry, Aristotle University of Thessaloniki, 19.05.2022
- Assistant Professor of Biochemistry, Department of Chemistry, Aristotle University of Thessaloniki, 09.06.2022
- Associate Professor of “Biological Chemistry,” School of Medicine, University of Ioannina, 24.06.2022
- Associate Professor of “Biology,” School of Medicine, University of Ioannina, 27.06.2022
- Assistant Professor of Biochemistry, Department of Chemistry, University of Ioannina, 27.06.2022
- Professor of “Molecular Cell Biology,” School of Medicine, University of Ioannina, 08.07.2022
- Professor of Biological Chemistry, School of Medicine, University of Ioannina, 20.09.2022
- Associate Professor of “Biochemistry,” Department of Biological Applications and Technologies, University of Ioannina, 26.09.2022
- Tenure of Assistant Professor in “Biochemistry with emphasis on Pathobiochemistry,” School of Medicine, University of Patras, 29.11.2022
- Assistant Professor of “Biochemistry – Extracellular Space,” Department of

Chemistry, University of Patras, 20.12.2022
- Assistant Professor of Biological Chemistry, School of Medicine, National and Kapodistrian University of Athens, 28.02.2023
- Professor of Biochemistry, School of Medicine, Democritus University of Thrace, 14.02.2023
- Assistant Professor of "Biology," School of Medicine, University of Ioannina, 14.03.2023
- Assistant Professor of Medical Microbiology, School of Medicine, University of Ioannina, 28.03.2023
- Professor of Clinical Biochemistry – Medical Chemistry, School of Medicine, National and Kapodistrian University of Athens, 12.09.2023
- Professor of Developmental Biology and Reproductive Biology, Department of Biological Applications and Technologies, University of Ioannina, 29.11.2023
- Professor of Biochemistry, School of Medicine, National and Kapodistrian University of Athens, 28.02.2024
- Assistant Professor of "Medical Chemistry with emphasis on disease mechanisms," School of Medicine, University of Crete, 11.12.2023
- Professor of Biological Chemistry – Clinical Biochemistry, School of Medicine, National and Kapodistrian University of Athens, 09.01.2024
- Professor of Biochemistry, School of Medicine, National and Kapodistrian University of Athens, 28.02.2024
- Professor of Biochemistry, School of Medicine, National and Kapodistrian University of Athens, 05.03.2024
- Associate Professor of Molecular Biology, Department of Biological Applications and Technologies, University of Ioannina, 17.07.2024
- Professor of Biological Chemistry – Clinical Biochemistry, School of Medicine, National and Kapodistrian University of Athens, 26.09.2024
- Professor of Clinical Biochemistry, School of Medicine, University of Ioannina, 18.02.2025
- Associate Professor of Pharmacology, School of Medicine, University of Ioannina, 18.02.2025
- Professor of Biochemistry – Clinical Biochemistry, School of Medicine, Aristotle University of Thessaloniki, 24.09.2025
- Assistant Professor of Pharmacology, School of Medicine, University of Ioannina, 10.11.2025
- Associate Professor of Biochemistry – Biomechanics, School of Medicine, National and Kapodistrian University of Athens, 25.11.2025
- Associate Professor of Cellular Biochemistry, School of Medicine (Larisa), University of Thessaly, 04.05.2026

2012-today Member of the Admissions Committee for the evaluation of students aiming to enter the Department of Medicine, University of Ioannina

2012-2019 Responsible for organizing research and literature seminars of the Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and the Institute of Biomedical Research / FORTH

2015-2017 Member of the Internal Evaluation team (OMEA) of the Department of Medicine, University of Ioannina

2016 Member of the Organizing and Scientific Committee of the 67th Panhellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology, November 25-27, 2016, Ioannina

2016-2020 Member of the Scientific Council of the Institute of Molecular Biology and Biotechnology (IMBB/FORTH)

2017 Member of the Scientific Committee of the Pan-European conference on tissue engineering and regenerative medicine (TERMIS-EU), 28th Annual Conference of the European Society for Biomaterials, ESB 2017, 4-8 September 2017, Athens.

2017-today Member of the Scientific Committee of the Flow Cytometry Unit of the Laboratory Network of the University of Ioannina

2017-today Member of the Committee of the Curriculum of undergraduate studies of the Department of Medicine of the University of Ioannina

2017-today Member of the Doctoral Studies Committee and of the committee responsible for drafting the Regulations for the admission of doctoral candidates and the awarding of Doctoral Degrees, School of Medicine, University of Ioannina.

2018-2020 Vice director (2019-2020), member of the Interdepartmental Committee (Ε.Δ.Επ., 2018-2020), member of the Curriculum Committee (2023-2026) and member of the Coordinating Committee (2023-2026) of the Interdepartmental Postgraduate Program "Molecular Cell Biology and Biotechnology" co-organized by the departments of Medicine, Biological Applications and Technologies and Chemistry of the University of Ioannina and the Biomedical Research Institute of the Foundation for Research and Technology Hellas (FORTH).

2018-today Member of the evaluation committee of candidates of the Program of Academic Experience, of the Medical School of the University of Ioannina

2019-today Participation in the three-member advisory (rapporteur) committee for faculty appointment/promotion:

- Level B Researcher "Regenerative Medicine for the treatment of human diseases including cell therapy with stem cells and tissue engineering" Department of Biomedical Research, IMBB/FORTH, 27.03.2019
- Professor of Biochemistry, Department of Chemistry, Aristotle University of Thessaloniki, 19.05.2022
- Associate Professor of Biological Chemistry, School of Medicine, University of Ioannina, 24.06.2022
- Assistant Professor of Biochemistry with emphasis on Pathobiochemistry, School of Medicine, University of Patras, 29.11.2022
- Assistant Professor of Biochemistry, Department of Chemistry, University of Ioannina, 21.06.2023
- Researcher A (Principal Researcher) in Biotechnology, with emphasis on Molecular Biophysics and biosensors, Institute of Molecular Biology and Biotechnology (IMBB), Foundation for Research and Technology – Hellas (FORTH), 09.07.2024
- Associate Professor, Johns Hopkins University School of Medicine, Department of Genetic Medicine, 20.09.2024
- Professor of Biochemistry, School of Medicine, Aristotle University of Thessaloniki, 01.07.2025
- Assistant Professor of Biochemistry – Molecular Biology, School of Medicine, University of Thessaly, 12.05.2025
- Assistant Professor of Biochemistry, Department of Chemistry, Aristotle University of Thessaloniki, 27.05.2025

2020-today Member of the Network of Research Support Facilities of the University of Ioannina

2020-today Member of the General Assembly of the Department of Medicine of the University of Ioannina.

2020 Participation in the writing and submission of a proposal for funding of the project "Innovation and Advanced Training Center of the Foundation for Research and Technology", funded by the Recovery Fund. Total budget for FORTH 56,271,056.00. Budget for the building of the Institute of Biomedical Research in Ioannina 12,816,888.00 Euro.

2021-today Member of the Coordinating Committee of the Unified Electron & Photon Microscopy Unit of the University of Ioannina-FORTH

2023- Chair of the three-member advisory (rapporteur) committee for appointment/promotion:

- Researcher A' (Director of Research), in Epigenetics and Chromosome Biology, Department of Biomedical Research, Institute of Molecular Biology and Biotechnology (IMBB), Foundation for Research and Technology – Hellas (FORTH), 10.04.2020
- Researcher C' level, in the field of "Basic Biomedical Research", Biomedical Research Institute, Foundation for Research and Technology – Hellas (FORTH), 14.02.2022
- Researcher A' (Director of Research), in the field of "Cell Biology, Biochemistry, Molecular Biology", Biomedical Research Institute, Foundation for Research and Technology – Hellas (FORTH), 10.04.2023
- Researcher A' (Director of Research), in the field of "Molecular and Cellular Biology with emphasis on the study of molecular regulatory mechanisms in mammalian cells", Biomedical Research Institute, Foundation for Research and Technology – Hellas (FORTH), 26.04.2023

2023- Member of the Outreach Committee, School of Medicine, University of Ioannina

2024- Member of the Advisory Committee of "University Laboratories", of the University of Ioannina

2025- Member of the Advisory Committee for feedback from social stakeholders, School of Medicine, University of Ioannina

2026- Member of the Curriculum Reform Committee, School of Medicine, University of Ioannina

2023-2027 Elected member and Vice-Chair of the Regional Council for Research and Innovation of the Region of Epirus (RCRI–Epirus) (PSEK-Epirus)

2019-today **Head** of the Institute of Biomedical Research at Ioannina, of the Foundation for Research and Technology Hellas (FORTH)

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Invited member of the Board of Directors of FORTH, as a Head of the Institute of Biomedical Research of Ioannina, of the Foundation for Research and Technology Hellas (FORTH).

2022-today **Director** of the Institute of Biomedical Research of Ioannina, Foundation for Research and Technology – Hellas (FORTH), and Member of the Board of Directors of the Foundation.

7. Supervision of undergraduate and postgraduate students

7.1. Supervision of undergraduate students in diploma studies (as supervisor)

A. Completed (name and year of award in bold)

- **Vasiliki Florou, 2005** "Generation of vesicles morphologically similar to Weibel-Palade bodies in BHK cells, after overexpression of von Willebrand factor conjugated to the fluorescent protein GFP" Diploma Thesis in the Program of Biochemistry (PSE), University of Ioannina and BRI FORTH.

- **Michaela Diamanti**, **2008**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Identification of Rabs on the surface of Weibel-Palade bodies"
- **Zoe Tsianou**, **2008**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Investigation of the putative location of VEGFR2 and ALK-4 receptors on lipid rafts" (co-supervised with Prof Theodoros Fotsis)
- **Georgia Fodelianaki**, **2011**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Isolation and culture of human keratinocytes as a source for the production of induced pluripotent stem cells".
- **Vasiliki Roupaka**, **2013**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Study of the kinetics of attachment of the RabGTPases with the membrane of Weibel-Palade bodies of endothelial cells"
- **Dimitris Angelidis**, **2014**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Screening of small molecules to identify specific inhibitors of the activity of the oncogenic mutant PI 3-kinase"
- **Eleftherios Sinanis**, **2019**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Study of the interaction between Rab5:GDP & ACAT2"
- **Chara Konstantakopoulou**, **2019**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Expression and isolation of MYC and MAX proteins and establishment of a complex formation assay"
- **Panagiotis Lentzaris**, **2021**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Establishment of in-vitro test for the formation of the MYC/MAX protein complex and study of the inhibitory activity of targeted chemical compounds".
- **Konstantinos Giotakis, 2023,** Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), "Optimization of an in vitro screening methodology, of targeted chemical molecules, for identifying inhibitors of the MYC/MAX oncoprotein complex"
- **Martha Kontostathi, 2023,** Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), "Use of an *in vitro* assay of MYC–MAX oncogenic complex formation to identify novel chemical inhibitors".
- **Panagiotis Botsios, 2023,** Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), "Identification of the subcellular topology of galectin-1 in endothelial cells"
- **Μαρία Κιλάρογλου, 2023**, Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), «Study of the interaction between the cytoplasmic acetoacetyl CoA thiolase (ACAT2) and Rab5α»
- **Natalia Tsironi, 2024,** Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), **«**Investigation of the role of endothelial cells in an *in vitro* experimental model of Alzheimer's disease»
- **Konstantina Gartzoni, 2024,** Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), «Overexpression of Rab27a in endothelial cells using the adenovirus system»
- **Stiliani Tsiagka, 2025,** Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), "Study of the secretory pathway of galectin-1 in endothelial cells"

- **Elena Saka, 2025**, Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), «Study of the endothelial secretory pathway; topological mapping of newly identified Weibel-Palade body cargos»

B. Ongoing:

- **Natalia Karathanasi,** Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), «Study of the role of endothelial cells in Alzheimer disease»
- **George Kafantaris,** Department of Biological Applications and Technologies, University of Ioannina, and Biomedical Research Institute (BRI/FORTH), «Proteomic analysis of secretory proteins in endothelial cells»

7.2. Supervision of Postgraduate/Master students - Postgraduate Theses (as supervisor).

A. Completed (name and year of award in bold)

- **Vasiliki Kosti, 2001**, "Production in recombinant form of the anticoagulant factor CD39" Postgraduate Program "BIOTECHNOLOGY", University of Ioannina and BRI/FORTH.
- **Dimitris Basagiannis, 2009** "Study of the role of caveolae in VEGF receptor signalling", Postgraduate Program "BIOTECHNOLOGY", University of Ioannina and BRI/FORTH.
- **Thanasis Ziogas, 2011**, "The role of ACAT2 in endocytosis and signaling", Postgraduate Program "BIOTECHNOLOGY", University of Ioannina and BRI/FORTH.
- **Vallia Karamani, 2014**, "Identification of inhibitors of the activity of oncogenic mutant PI 3-kinase using targeted screening of small molecules" Postgraduate Program "BIOTECHNOLOGY", University of Ioannina and BRI/FORTH.
- **Maria Ketikoglou, 2016**, "Production of the oncogenic mutant forms of PI3Kinase in recombinant form and identification of specific inhibitors with possible pharmaceutical importance" Postgraduate Program "BIOTECHNOLOGY", University of Ioannina and BRI/FORTH.
- **Petros Tsalagradas, 2018**, "Study of the interaction between cytoplasmic acetoacetyl-CoA thiolase (ACAT2) and Rab5", Postgraduate Program "BIOTECHNOLOGY", University of Ioannina and BRI/FORTH.
- **Panagiotis Kliafas, 2020**, "Establishment of in-vitro MYC / MAX protein complex formation assay and study of the inhibitory effect of targeted chemical compounds", Postgraduate Program "Molecular Cell Biology and Biotechnology", University of Ioannina and BRI/FORTH.
- **Victoria Koloi, 2022,** "Establishment of an assay for the quantitative determination of galectin-1 and application of the method to pathophysiological plasma samples", Postgraduate Program "Molecular Cell Biology and Biotechnology", University of Ioannina and BRI/FORTH.
- **Athina Karra, 2023,** «In vitro screening of chemical molecules for the detection of inhibitors of MYC-MAX oncogenes», Interdepartmental Program of Postgraduate Studies «Medicinal Chemistry», University of Ioannina and BRI/FORTH.
- **Panagiotis Lentzaris, 2024,** "Study of the trafficking of Galectin-1, an unconventionally secreted protein", Inter-institutional Interdepartmental Program of Postgraduate Studies "Molecular and Cellular Biology and Biotechnology", University of Ioannina and BRI/FORTH

- **Ervelina Ntalani, 2024**, “Establishment of an *in vitro* assay for MYC-MAX complex formation to identify new inhibitors of the MYC oncoprotein”, Master’s Program in “Basic Biomedical Sciences,” Department of Medicine/University of Ioannina and BRI/FORTH
- **Martha Kontostathi, 2025**, "Unraveling the role of endocytic pathways of amyloid-beta clearance in brain endothelial cells, as a protective mechanism against Alzheimer's disease”, Inter-institutional Interdepartmental Program of Postgraduate Studies “Molecular and Cellular Biology and Biotechnology”, University of Ioannina and BRI/FORTH

B. Ongoing:

- **Sofia Peloni**, “Establishment of an endocytosis assay for the screening of chemical molecules to discover new growth factor inhibitors”, Master’s Program in “Basic Biomedical Sciences,” Department of Medicine/University of Ioannina and BRI/FORTH
- **Ariadni Vardaki**, “Isolation and proteomic analysis of new secreted proteins of Weibel Palade bodies and investigation of their storage conditions”, Inter-institutional Interdepartmental Program of Postgraduate Studies “Molecular and Cellular Biology and Biotechnology”, University of Ioannina and BRI/FORTH
- **Elena Saka**, “Use of proteomic approaches to get insights into the role of endothelial cells in Alzheimer’s disease”, Inter-institutional Interdepartmental Program of Postgraduate Studies “Molecular and Cellular Biology and Biotechnology”, University of Ioannina and BRI/FORTH

7.3. Supervision of Doctoral Theses (as supervisor)

A. Completed (name and year of award in bold)

- **Agathi Papanikolaou, 2007**, "Regulation of the enzymatic activity and vesicular transport of the antithrombotic ecto-nucleotidase CD39: The role of membrane compartmentalization and transmembrane domains", Laboratory of Biological Chemistry, Medical School, University of Ioannina and BRI/FORTH.
- **Sofia Zografou, 2011**, "Molecular mechanisms of regulated secretion in endothelial cells", Laboratory of Biological Chemistry, Medical School, University of Ioannina and BRI/FORTH.
- **Ioannis Pandis, 2012** "Study on the role of microRNA in animal models of human autoimmune diseases" (suvervisor of Thesis at the Fleming Institute: George Kollias)
- **Dimitris Basagiannis, 2013**, "The role of VEGFR2 cimpartmentalization in VEGF signalling", Postgraduate Program "Biotechnology", Laboratory of Biological Chemistry, Medical School, University of Ioannina and BRI/FORTH.
- **Despina Gkeka, 2019**, "Spatiotemporal organization of RabGTPases in stimulated exocytosis in endothelial cells", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Evangeli Goula, 2019**, "Spatiotemporal coordination and mechanisms of communication between endocytosis and regulated exocytosis upon VEGFR2 signaling in endothelial cells", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and and BRI/FORTH.
- **Katerina Galanopoulou, 2020**, "Study of the role of RAB5-interacting proteins in endocytosis in endothelial cells: study of the role of the interaction between Rab5 and ACAT2 in endocytosis", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.

B. Ongoing:

- **Alexandra Papafotika**, "Development of an in vitro assay of the phosphatidylinositol 3-kinase activity (PI3KCA) and screening of molecules for the identification of specific inhibitors of its oncogenic forms", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Panagiotis Lentzaris,** "Secretory vesicles that play role in vascular function: identification of protein cargo and study of secretion mechanisms", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Martha Kontostathi,** "The role of endothelial cells in Alzheimer's disease: Importance of endocytosis and signaling pathways", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Vasiliki Karamani**, "Screening of compounds for the identification of inhibitors of the oncogenic forms of Phosphatidylinositol 3-Kinase (PI3KCA) and study of their role in in vitro and in vivo tests", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.

7.4. Supervision of Doctoral Theses (as member of the advisory committee).

A. Completed (name and year of award in bold)

- **Christos Papadopoulos, 2009** "Design, synthesis and study of structural and modulatory characteristics of peptides with biological activity in the secretion and cellular connections of endothelial cells", Laboratory of Organic Chemistry and Biochemistry, Department of Chemistry, University of Ioannina.
- **Douchaniari Alexandra, 2010** "Role and mechanisms of intercellular connections in the function of the endothelial cell barrier", Laboratory of Biology, Medical School, University of Ioannina.
- **Eleftherios Kostaras, 2011** "The role of SARA protein complex proteins in signal transduction and the biological activity of TGF-β / activin", Laboratory of Biological Chemistry, Medical School, University of Ioannina and BRI/FORTH.
- **Eudoxia Karali, 2012** "Functional characterization of genes that are regulated by VEGF", Laboratory of Biological Chemistry, Medical School, University of Ioannina and BRI/FORTH.
- **Georgios Boukakis, 2014** "Study of the biological role of proteins with the ability to bind hnRNA and mRNA as well as the mechanisms of their deregulation in human lung cancer", Laboratory of Biological Chemistry, Medical School, University of Ioannina.
- **Markella Zannikou, 2014** "Anti-DNA monoclonal autoantibodies: Effect on angiogenesis and on the network of cytokines", Laboratory of Biological Chemistry, Medical School, University of Ioannina.
- **Nikoleta Kostopoulou, 2015** "Activin A receptors interacting proteins and their role in its signal transduction and biological function", Laboratory of Biological Chemistry, Medical School, University of Ioannina and BRI/FORTH.
- **Amalia Papadaki, 2015** "Study of the molecular mechanisms underlying Leishmania spp. survival within the phagocytes of the mammalian host", Laboratory of Biological Chemistry, Medical School, University of Ioannina.
- **Odysseas Patounas, 2017**, "Investigations on protein arginine methyltransferases in differentiation and cancer", Department of Biological Applications and Technologies, University of Ioannina and BRI/FORTH.
- **Iliana Serifi, 2018**, "Study of the functional role of the Set protein in the early developmental stages of the model organism Danio rerio (zebrafish)", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.

- **Roupaka Vassiliki, 2018**, "The role of intracellural labile iron in redox signal transductions", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina
- **Markou Maria, 2020**, "Molecular mechanisms of VEGF in vasculogenesis and applications in regenerative medicine", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Panagiota Lazou, 2021**, "Study of the polymorphisms in purine-pyrimidine transporters of pathogenic and non-pathogenic bacteria", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and IBE / FORTH.
- **Evangelos Drougas, 2021**, "Molecular mechanisms of asymmetric cell division during stem cell differentiation", Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Maria Chatziathanasiadou, 2021**, "Biological evaluation of the anticancer activity of bioactive natural products, their analogues and formulations", Department of Chemistry, University of Ioannina
- **Apostolos Galaris, 2022,** "Discovery of new genes involved in the pathophysiology of Idiopathic Pulmonary Fibrosis (IPF)" Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina (conducted at Fleming, under the supervision of Dr. Vasilis Aidinis)
- **Tzouvara Olympia, 2023,** NKUA & Pasteur, "Phosphoinositide phosphatases and proteins with phosphoinositide binding domains of the Leishmania parasite: Characterization of two representative molecules and study of their role in the parasite life cycle and mammalian host infection"
- **Evangelia Athanailidou**, **2023**, Department of Biological Applications and Technologies, University of Ioannina, and BRI/FORTH, "Investigation on the role of SAF-A in the epigenetic regulation of nuclear architecture".
- **Fotini Papagavriil**, **2023,** Department of Biology, University of Crete, and IMBB/FORTH, "Biophysical study of liposome-capturing molecules".
- **Konstantina Kalodimou, 2024,** "Exploration of novel Delta-Notch signaling mechanisms that bypass ubiquitination," Department of Biology, University of Crete, and IMBB/FORTH
- **Alexandra Polyzou**, **2024,** Laboratory of Pharmacology, Department of Medicine, University of Ioannina, "Study of the role of LPPR (Lipid Phosphate Phosphatase-Related) proteins in the signaling of extracellular lipid agonists in the nervous system"
- **Simoni Besta**, **2024,** "Study of the mechanism of action of CHUK / IKKα kinase and other tissue specific protein kinases in lung cancer" Laboratory of Biology, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Georgia Maria Sagia, 2026**, "Molecular and cellular basis of membrane trafficking mechanisms", NKUA, Department of Biology

B. Ongoing:

- **Eftychia Aggelou**, "Biophysical and Biochemical study of the functional interactions of the Ras/Rab protein family" Department of Molecular Biology and Genetics, Democritus University of Thrace, Alexandroupolis
- **Dimitrios Hatzis,** "The diagnostic and prognostic significance of Galectin-1 and von-Willebrand factor proteins in deep vein thrombosis." Surgery Clinic, Department of Medicine, University of Ioannina
- **Marianna Gorezi**, Department of Chemistry, University of Ioannina, "Development of innovative dyes that emit near-infrared light with the aim of using them as markers of cellular organs, therapeutic and diagnostic molecules"

- **Eleni Vassi,** "Design and in vitro evaluation of new synthetic inhibitors of c-Myc oncoprotein activity" Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Konstantina Tasioula,** "Function of intercellular junctions in progenitor and mature endothelial cells," Laboratory of Biology, Department of Medicine, University of Ioannina and BRI/FORTH.
- **Georgia Voudouri**, "The role of gene expression in the regulation of cortical interneuron development", Department of Medicine, University of Ioannina and Biomedical Research Institute-FORTH
- **Kartik Jatwani,** "General and mRNA-specific translation downstream of mTOR in human neurodevelopmen", Department of Medicine, University of Ioannina and Biomedical Research Institute-FORTH

7.5. Supervision of Post-doctoral fellows

- **Agathi Papanikolaou, 2007-2009**. "The role of Rab5 effectors in the regulations of activin signalling" BRI/FORTH.
- **Sofia Zografou, 2012-2017**, "Development of a method for differentiation of pluripotent stem cells into hemangioblasts and endothelial cells." BRI/FORTH.
- **Dimitris Basagiannis, 2014-2017**, "The role of VEGFR2 endocytic pathways in angiogenesis", BRI/FORTH.
- **Vasiliki Lazani, 2012-2015**, "Oncogenic Mutations of Phosphoinositide-3-Kinase in Breast and Colon Cancers: Development of Targeted Anticancer Drugs and Diagnostic markers" BRI/FORTH.
- **Despina Gkeka, 2020-2021**, "Study of the spatio-temporal organization of Rab GTPases in exocytosis of endothelial cells" BRI/FORTH.
- **Evangelia Goula**, **2020-2021**, and **2023-2025** "Spatio-temporal organization and communication mechanisms between endocytosis and regulated exocytosis in endothelial cells" BRI/FORTH.
- **Eftychia Vassili, 2022–present, "**Clearance of amyloid in Alzheimer's disease: The role of endocytosis in the endothelium".

8. Distinctions

8.1. Scholarships, awards and other distinctions

1986-1990 **State scholar** for excellence in undergraduate studies, **IKY**, rank: 2nd.

1990 **Benaki-Prize** for undergraduate studies, Greece

1991-1993 **G.Stavrou scholarship** for PhD studies, Greece

1993-1995 Exceptional Graduate Scholar for PhD studies, **EMY**, Greece

1997-1999 Post-doctoral Research Fellow of the Training and Mobility of Researchers program of EU-FP4 (**Marie Curie TMR program**).

1999-2000 Post-doctoral Research Fellow of the Max-Planck Institute, Dresden, Germany

2000-2001 Return grant, **Marie Curie** individual research fellowship, EU-FP5, (Training and Mobility of Researchers), Medical School, University of Ioannina

2001-2004 **EMBO Young Investigator award** (https://yip-search.embo.org/#/yip/2421)

2001-today Collaborating Researcher of the Institute of Biomedical Research/Ioannina, Foundation for Research and Technology Hellas

2016-2020 **Member of the Scientific Council** of the Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology Hellas.

2016 Member of the **Organizing and Scientific Committee** of the 67th meeting of the Hellenic Society of Biochemistry and Molecular Biology, Ioannina, Greece, 25-27 Nov, 2016

2016 **1st Award for research and presentation**: Basagiannis D, Zografou S, Murphy C, Fotsis T, Morbidelli L, Ziche M, Bleck C, Mercer J and Christoforidis S, "Endocytic routes in control of VEGFR2 function: Protection of the receptor and regulation of signaling" 67th HSBMB meeting, Ioannina, Greece, 25-27 Nov, 2016

2017 Member of the **Scientific Committee** of the 28th Conference of the European Society for Biomaterials, Tissue engineering and regenerative medicine" TERMIS-EU, ESB 2017, 4-8 September 2017, Athens.

2018 **1st Award for research and presentation:** E. Goula, V. Lazani, M. Aivaliotis, and S. Christoforidis, "Unconventional secretion in endothelial cells: Cytoplasmic galectin-1 enters Weibel-Palade bodies", 69th HSBMB meeting, Larisa, Greece, 23-25 Nov, 2018

2019 **1st Award for research and presentation:** K. Galanopoulou, T. Ziogas, D. Basagiannis, S. Zografou, A. Papanikolaou, M. Aivaliotis, M. Zerial and S. Christoforidis, "The cytoplasmic Acetoacetyl CoA Thiolase (ACAT2), a novel Rab5 effector, regulates endocytic membrane transport" 70th HSBMB Annual Conference, 29.11-01.12, 2019, Athens

2023-2027 Elected member and Vice-Chair of the Regional Council for Research and Innovation of the Region of Epirus (RCRI–Epirus) (PSEK-Epirus)

2024 Member of the international panel for the evaluation of "Severo Ochoa Centres of Excellence" and "María de Maeztu Units of Excellence Programme", Spain, 2024

2024 ImmunoTools special Award for the PhD study "Secretory vesicles involved in vascular function: identification of protein cargo and study of secretion mechanisms", of the PhD student Panagiotis Lentzaris

2025 Participation as Chair in a roundtable session on "Biomaterials in Regenerative Medicine," 13th Panhellenic Conference on Biomaterials, 28–29 March 2025, Ioannina, Greece

2019-today **Head** (2019-2022) and **Director** (2022-2026) of the Biomedical Research Institute of Ioannina, Foundation for Research and Technology Hellas (FORTH)

8.2. Invited speaker

1. Title of talk: "Molecular mechanisms of intracellular vesicular transport in the endocytic pathway." Hellenic Biochemical and Biophysical Society Meeting, Athens, December, 2001.
2. Title of talk: "Molecular mechanisms in the pathway of endocytosis. Implications in the function of ecto-ATPases." (EMBO Young Investigator Lecture). Third International

Workshop on Ecto-ATPases and Related Ectonucleotidases. Metabolism of Extracellular Nucleotides: Secretion, Hydrolysis, Signaling, Woods Hole, 15 - 20 September, 2002

3. Title of talk: “The thromboregulatory role of endothelial cells” EMBO Young Investigator meeting, Heidelberg, Germany, 10-12 April 2002.
4. Title of talk: “Molecular mechanisms of H_2O_2-induced DNA damage: The action of desferrioxamine” FREE RADICAL RES 37: 35-35 Suppl. 1 2003. F ree Radicals and Oxidative Stress: Chemistry, Biochemistry and Pathophysiological Implications, Meeting of the Society for Free Radical Research – European Section, Ioannina, Greece, June 26-29, 2003.
5. Title of talk: “Understanding of the diversity of endocytic organelles by visualizing the effectors of the small GTPase Rab5” Modern Light Microscopy Techniques in Biomedical Research, University of Crete, Crete, October 31-Nov 4, 2005.
6. Title of talk: “Interconnections between signal transduction, exocytosis and endocytosis in endothelial cells”, 1st Molecular Oncology & Targeted Therapy Training Seminar for Clinical Oncologists, Metsovo, March 30 - April 1, 2007
7. Title of talk: “Signalling and trafficking in endothelial cells” EMBO Young Investigator meeting, Istanbul, Turkey, 13-15 May 2009.
8. Title of talk: "Meeting of the Greek Interest Group in Advanced Microscopy", BRFA, Athens, June 1st, 2010.
9. Title of talk: "The role of transmembrane domains in polarized transport and function using as a model protein the ecto-nucleotidase CD39." EMBO Young Investigator sectorial meeting, Polarity and Neuro, Orsay-Paris, 25-27 May, 2011.
10. Title of talk: "Interrelationship between trafficking and signaling of VEGFR2 in endothelial cells" EMBO Young Investigator sectorial meeting, Cancer meeting, London UK, July 11-12, 2011.
11. Title of talk: "Coordination between exocytosis, endocytosis and signaling." 62nd Conference of the Hellenic Society of Biochemistry and Molecular Biology, Athens, December 9-11, 2011.
12. Title of talk: "Endocytosis and Exocytosis in Vascular Biology and de novo Differentiation of the Endothelial Lineage" MOBI4Health Meeting and Conference Bioinnovation & ScanBalt Forum 2013 Gdańsk, 16-18 October 2013.
13. Title of talk: "Study of endo- and exo- cytosis using high resolution microscopy approaches" Department of Molecular Biology and Genetics, University of Thrace, Alexandroupolis, 14-12-2013.
14. Title of talk: "The endothelial ecto-NTPdase1/CD39 exerts potent anti-platelet activity by hydrolyzing extracellular ADP" Advanced Learning on Platelets & Thrombosis International Course, ALPIC 2014, Metsovo, Greece, 7-9 March, 2014
15. Title of talk: "Role of vesicular transport in blood vessel formation" EMBO Young Investigator sectorial meeting in tissue morphogenesis, Dresden, Germany, 7-9 Feb, 2016.
16. Title of talk: "Role of vesicular transport in blood vessel physiology", European Network on Microvesicles and Exosomes in Health and Disease, Training course on "Extracellular Vesicles & Exosomes: Analysis and Properties", Ioannina, March 1-3, 2016
17. Title of talk: "Angiogenesis in cancer: The role of VEGF receptor endocytosis", Open Educational Program "Molecular Medicine", Department of Medicine, University of Thessaly, April 21, 2016

18. Title of talk: "Oncogenic Mutations of Phosphoinositide-3-Kinase in Breast and Colon Cancers: Development of Targeted Anticancer Drugs" 13th Training Seminar of Molecular Oncology & Targeted Therapy | 29 & 30 March 2018, Ioannina

19. Title of talk: "The role of intracellular vesicle transport in signal transduction" Department of Medicine and MSc in Biomedical Sciences, University of Patras, 2022

20. Title of talk: "The role of brain vessels in Alzheimer's disease: Existing knowledge and new experimental approaches", Conference of the Hellenic Initiative Against Alzheimer's (HIAAD), Ioannina 2022

21. Title of talk: “Innovation-driven research activities of the research groups of BRI/FORTH at Ioannina”, Presentation at the premises of the OFET Pharmaceutical Group, Athens, 2022

22. Title of talk: “Research and education at BRI/FORTH”, Presentation at the FORTH Retreat, Heraklion, 2022

23. Title of talk: “Prevention of Alzheimer’s disease: Clear your mind using your blood vessels,” Research Bridge Seminars of the Hellenic Initiative Against Alzheimer’s Disease (HIAAD), Webinar, February 2023

24. Participation in a panel discussion at the 6th GMSO Seminar on the MSCA Postdoctoral Fellowships, Title of talk: “How to prepare and write a successful MSCA PF proposal,” participation as Principal Investigator of a successful MSCA PF proposal, April 2023

25. Title of talk: “Biomedical Research Institute at Ioannina: From basic experimental research to biomedical applications”, Presentation at the scientific event celebrating the 40th anniversary of FORTH, Ioannina, 2023

26. Title of talk: “Biomedical Research Institute at Ioannina: Basic experimental research and biomedical applications”, Presentation at the event for the construction of the new BRI/FORTH building in Ioannina, 2024

27. Title of talk: “Common mechanisms in cancer and Alzheimer’s disease: The role of endothelial cells,” Keynote lecture at the welcome event for first-year medical students, University of Ioannina, 2024

28. Title of talk: “Research directions and innovative applications at BRI/FORTH”, Presentation at the FORTH Retreat, International Olympic Academy, Ancient Olympia, 2024

29. Title of talk: “Entrepreneurial Discovery Process”, Presentation at the event “Entrepreneurial Discovery”, organized by the Region of Epirus and the Regional Scientific Council for Research and Innovation (PSEK Epirus), Du Lac, Ioannina, 2024

30. Title of talk: “Institute of Biomedical Research Ioannina: From basic experimental research to biomedical applications”, 1st Pan-Epirus Student STEM Conference, Ioannina, 2025

31. Participation as panellist in a roundtable discussion on “Education and Innovation”, 3rd WORK-FROM-GREECE.GR Summit, Ioannina, 2025

32. Title of the talk: «The Biomedical Research Institute as a pillar of research and innovation within the University of Ioannina–FORTH ecosystem», UniAdrion 2025 Hybrid Conference: 25 years of Sustainable Development and Regional Cooperation, Ioannina 2025

33. Title of the talk: "Signaling and Trafficking in Vascular Biology: Molecular Mechanisms and Student Research Opportunities", DUKE University, Kunshan, China, 2025

34. Participation as speaker in a plenary roundtable titled “The role of the biologist in modern society”, 4th Panhellenic Student Conference of Bioscientists, Ioannina, 2026

35. Title of the talk: "Signaling and trafficking in Vascular Biology: Implications in cancer and Alzheimer's disease", Institute of Chemical Engineering Sciences (ICE-HT), Foundation for Research & Technology - Hellas (FORTH), Patras, Greece, 2026

8.3. Reviewer of International Scientific Journals

1. EMBO (Impact factor 12.459)
2. EMBO Reports (Impact factor 6.046)
3. Proceedings of the National Academy of Sciences of the United States of America, PNAS (Impact factor 9.38)
4. Biochemical Pharmacology (Impact factor 3.34)
5. Journal of Cell Science (Impact factor 6.11)
6. Biochemical Journal (Impact factor 4.4)
7. Experimental Cell Research (Impact factor 3.3)
8. Purinergic Signalling (Impact factor 3.02)
9. FASEB Journal (Impact factor 5.19)
10. International Journal of Molecular Sciences (Impact factor 5.923)
11. Journal of Cellular and Molecular Medicine (Impact factor 5.295)
12. Molecular Psychiatry (Impact factor 10.1)
13. Biomolecules (impact factor 4.8)
14. Cells (impact factor 5.2)
15. Alzheimer's & Dementia, Translational Research & Clinical Interventions (impact factor 5.8)

8.4. Reviewer of Fellowship applications

1. Reviewer of EMBO Long term fellowships
2. Reviewer of EMBO Short term fellowships
3. Reviewer of PhD fellowships for the Hellenic Foundation for Research and Innovation (HFRI)
4. Reviewer of "Niarchos Foundation Fellowships" (IMBB-FORTH).
5. Reviewer of the Greek State Scholar Fellowships (IKY)
6. Scholarships for Academic Teaching Experience (University of Ioannina)

8.5. Reviewer of Research Grants

1. Fondation pour la Recherche Medicale, France, 2006
2. Portuguese Foundation for Science and Technology (FCT), 2007
3. Operational Programme «Human Resources Development, Education and Lifelong Learning», Ministry of National Education and Religions, Heraclitus Program, 2009
4. Vidi program (Innovational Research Incentive Scheme), The Netherlands, 2015
5. Program for support of Researchers, with emphasis on young researchers, EDBM34, 2017
6. EU Horizon 2020, Spreading Excellence and Widening Participation programme, Twinning, 2019
7. EU Horizon Europe, Spreading Excellence and Widening Participation programme, Twinning Western Balkans, 2021
8. Venture Discovery Fund of the Richman Family Precision Medicine Center of Excellence in Alzheimer's Disease at Johns Hopkins, 2021
9. Independent evaluator of the implementation progress of the project Twinning, INTEG-RNA, 2022-2025
10. NWO – the Dutch Research Council Programme, 2022

11. Medical Research Council, UK, 2023
12. Member of the Proposal Evaluation Committee for the Proposals ERC-Theodore Papazoglou, 5th Call for proposals, of the "Science and Society" Action "Always strive for excellence– Theodoros Papazoglou", HFRI, 2023
13. EU Horizon Europe, Spreading Excellence and Widening Participation programme, Twinning - HORIZON-WIDERA-2023-ACCESS-02, Topics: «Twinning Bottom up», «Twinning Green Deal», 2023
14. EU Horizon Europe, Marie Skłodowska-Curie Actions, MSCA Doctoral Networks DN 2024
15. EU Horizon Europe, Marie Skłodowska-Curie Actions, MSCA Postdoctoral Fellowships Programme, PF 2025
16. EU Horizon Europe, Marie Skłodowska-Curie Actions, MSCA Doctoral Networks DN 2025

8.6. Member of Scientific Societies

- Hellenic Society of Biochemistry and Molecular Biology
- Hellenic Society of Biology
- The Society of Greek Chemists
- American Association for the Advancement of Science
- European Light Microscopy Initiative, ELMI.
- Hellenic Bioimaging Society

8.7. Member of European Expert Networks

- Member of the Young Investigators Program of the European Molecular Biology Organization (EMBO YIP) and reviewer of short and long term fellowships of this Organization.
- Member of the European Network «Tracking the Endocytic Routes of Polypeptide Growth Factor Receptor Complexes and their Modulatory Role on Signalling (EndoTrack).» FP6 Integrated Project of EC (2006-2010 – Contract No LSHG-CT-2006-019050). Coordinator: Prof. M. Zerial
- Member of the European Network «Pulmonary Hypertension: Functional Genomics and Therapy of Lung Vascular Remodelling (Pulmotension)» FP6 Integrated Project of EC (2006-2010 – Contract No LSHM-CT-2006-018725). Coordinator: W. Seeger (Coordinator for the University of Ioannina: S. Christoforidis)
- Member of the European Light Microscopy Initiative (ELMI).
- Member of the scientific advisor committee in MOBI4HEALTH, FP7-REGPOT, 2013-2017, "Molecular Biotechnology solutions bringing health to living organisms and environment supported by mass spec-focused research platform uncovering cellular functions of molecules"

8.8. Member of the examining committee of PhD Theses

From 2004 until 2022: Participation in the seven-member examining committees in **55** Doctoral Theses employed in University Institutions of the country.

8.9. Member of the examining Committee of Postgraduate (Master) Theses

From 2004 until 2026: Participation in the five-member examining committees in **32** Postgraduate Theses (Master's) employed in University Institutions of the country.

9. Research Interests and members of the team

Main research direction: **"Study of the mechanisms of intracellular vesicular transport and of their implications in vascular physiology"**

9.1. Brief description of research

Our group studies the interplay between endocytosis, signalling and exocytosis in endothelial cells, focusing on the molecular mechanisms and their role in vascular physiology.

The inner wall of blood vessels is covered by endothelial cells, which play critical roles in the majority of fatal illnesses, including cardiovascular diseases, inflammatory disorders and neo-angiogenesis in cancer (see Fig 1. below). However, the exact mechanisms that govern, 1st, the properties of healthy endothelium, and 2nd, endothelial dysfunction in vascular diseases, are only poorly understood.

Intriguingly, key endothelial molecules that play important role in these pathophysiological processes are stored in specialized organelles called Weibel Palade bodies. Upon activation of endothelial cells, Weibel Palade bodies travel to the cell surface and fuse with plasma membrane, thereby releasing they cargo molecules in the blood stream. Among the secreted proteins are several key players in inflammation, thrombosis, angiogenesis and vessel tone, such as P-selectin, von willebrand factor (vWF), Angiopoeitin-2, endothelin, and others (see Fig.1 below).

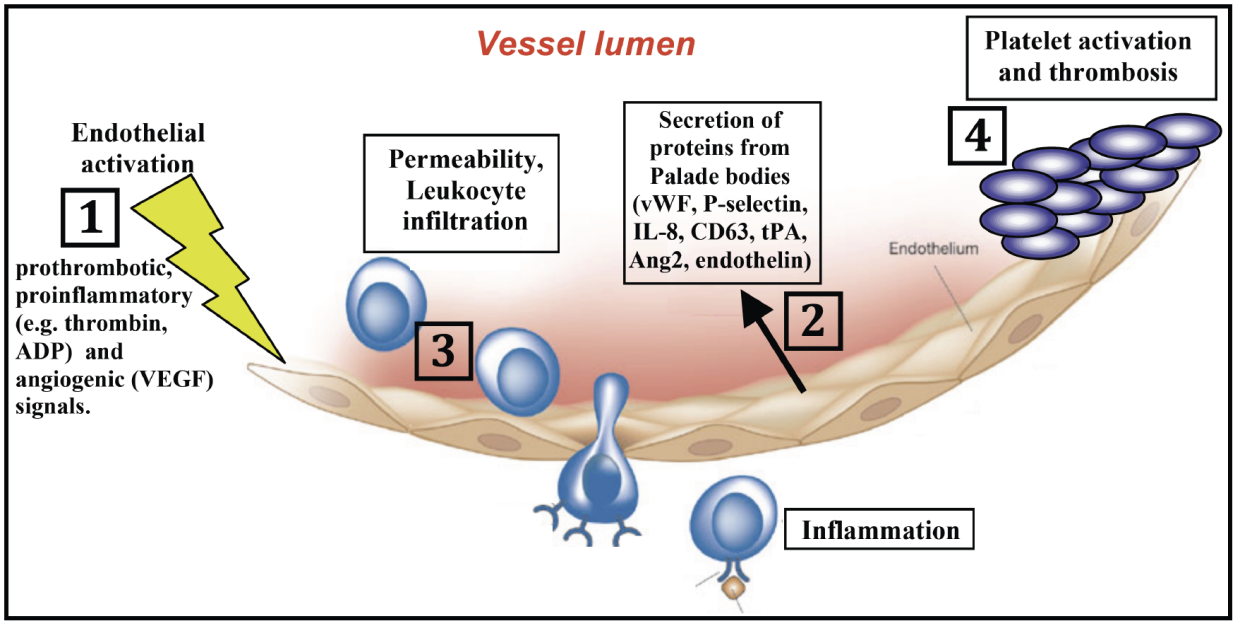

Fig. 1. Activated endothelium plays critical role in inflammation and thrombosis. *Under resting conditions, endothelial cells form a tight barrier which exerts anti-thrombotic and anti-inflammatory properties. However, upon activation* ***(1)****, endothelium secretes molecules that are localized in the storage organelles Weibel Palade bodies* ***(2)****. These molecules participate in processes that lead to loosening of intercellular contacts and migration of lymphocytes across the endothelial wall, causing inflammation* ***(3)****, as well as in activation of platelets and thrombosis* ***(4)****.*

One of the most important activators of Weibel Palade body secretion is VEGF (Vascular Endothelial Growth Factor), a growth factor that plays important role in tumour angiogenesis. We previously found that constitutive endocytosis protects the receptor of VEGF (VEGR2) against shedding (*Basagiannis D and Christoforidis S, J Biol Chem, 2016, 291, 16892-16903*), while addition of VEGF reroutes VEGFR2 towards macropinocytosis, a critical event

for VEGF-induced signalling *in vitro* and for angiogenesis *in vivo* (*Basagiannis D et al., J Cell Sci, 2016, 129, 4091-4104; Basagiannis D. et al., Sci. Rep., 2017, Mar 22;7:45035*).

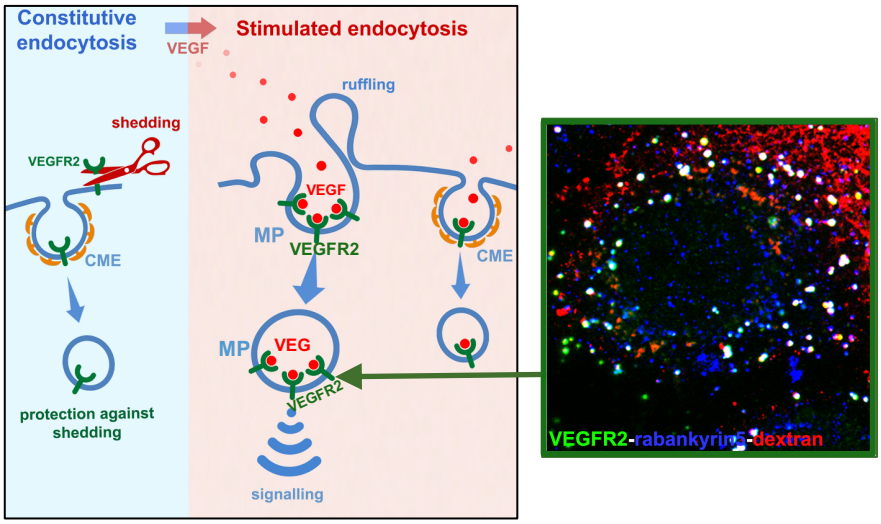

Fig. 2. Endocytosis of VEGFR2 is essential for downstream signalling. *Left scheme, in blue background: Constitutive endocytosis via the clathrin route protects VEGFR2 against shedding (CME: clathrin-mediated endocytosis). Right scheme, in pink background: VEGF switches internalization of VEGFR2 towards macropinosomes (MP), which are imaged on the right via confocal microscopy.*

Following these findings, we are currently aiming in elucidating the mechanism by which macropinocytosis controls VEGFR2 signalling and how the signals are conveyed to Weibel Palade bodies, for triggering exocytosis (recently funded by an HFRI grant for Academic Staff and Researchers).

Overall, our group is interested in understanding the interconnections between endocytosis, signalling and exocytosis in endothelial cells and their importance in vascular physiology. Ultimately, the findings of our studies will contribute to the design of more effective therapeutic approaches in vascular diseases.

Role of endothelium in Alzheimer's disease

In our effort to get deeper insights into the role of endothelium in vascular physiology, we have recently initiated a new project aiming to reveal the role of brain endothelium (the so-called blood brain barrier, BBB) in Alzheimer's disease (recently funded by the Horizon Europe MSCA PF programme, to the Post-doctoral fellow Eftychia Vasili; "**ClearPath" project**). In this context, we focus to uncover how the brain's blood vessels clear toxic amyloid-beta (Aβ) peptides, a key factor in the development of Alzheimer's disease (AD). We have developed a novel human blood-brain barrier (BBB) transwell model from patient-derived stem cells, which allows us to study how different cellular uptake pathways contribute to Aβ clearance. By combining molecular and cellular biology, bioinformatics analysis of large patient datasets, and validation in animal models including C. elegans and mice, we aim to map the specific mechanisms by which Aβ is transported out of the brain. The ultimate goal is to identify new targets for therapies that prevent Aβ accumulation and slow the progression of Alzheimer's disease.

Other projects in the lab include:

- Mechanism of overactivation of oncogenic PI3Kinase and screening for novel inhibitors (project in close collaboration with teams from BRFAA/Athens). *Ref: Papafotika A, et al and Christoforidis S. "A new functional assay reveals that membrane binding is critical for overactivation of the phosphoinositide 3-kinase H1047R mutant." J Biol Chem. 2026 doi: 10.1016/j.jbc.2026.111207*

- The role of new interactors of the small GTPase Rab5 in membrane trafficking and signalling (in collaboration with the group of Marino Zerial, MPI-CBG/Dresden)
- Investigating the role of growth factor receptor internalization in the differentiation of human stem cells into vascular lineages

Methodology

To achieve the objectives of the projects described above, besides using standard techniques in the field of Biochemistry, Molecular and Cell Biology, we employ leading edge technology such as super resolution STED confocal microscopy, Total Internal Reflection Fluorescence Microscopy (TIRF-M), quantitative image analysis and proteomics by high resolution mass spectrometry.

9.2. Members of the research group (https://www.bri.forth.gr/bri-people/en/members-christoforidis)

Current members and position

- Eftychia Vasili, Postdoctoral Fellow
- Alexandra Papafotika, PhD Candidate
- Panagiotis Lentzaris, PhD Candidate
- Martha Kontostathi, PhD Candidate
- Elena Saka, Postgraduate student
- Sofia Peloni, Postgraduate student
- Ariadni Vardaki, Postgraduate student
- Natalia Karathanasi, Undergraduate student
- George Kafantaris, Undergraduate student

Past members (alumni) and position

- Katerina Galanopoulou, PhD Candidate and Postdoctoral Fellow
- Despina Gkeka, PhD Candidate and Postdoctoral Fellow
- Evangelia Goula, PhD Candidate and Postdoctoral Fellow
- Vasiliki Lazani, Postdoctoral Fellow
- Vasiliki Karamani, PhD Candidate
- Sofia Zografou, PhD Candidate and Postdoctoral Fellow
- Dimitris Basagiannis, PhD Candidate and Postdoctoral Fellow
- Agathi Papanikolaou, PhD Candidate / Postdoctoral Fellow
- Athina Karra, Postgraduate student
- Victoria Koloi, Postgraduate student
- Panagiotis Kliafas, Postgraduate student
- Petros Tsalagradas, Postgraduate student
- Athanasios Ziogas, Postgraduate student
- Maria Balatsou, Postgraduate student
- Maria Ketikoglou, Postgraduate student
- Vasiliki Kosti, Postgraduate student
- Konstantinos Giotakis, Undergraduate student
- Stella Tsiaga, Undergraduate student
- Eleftherios Sinanis, Undergraduate student
- Chara Konstantakopoulou, Undergraduate student
- Dimitris Angelidis, Undergraduate student
- Vasiliki Roupaka, Undergraduate student
- Georgia Fodelianaki, Undergraduate student
- Michaela Diamanti, Undergraduate student
- Zoi Tsianou, Undergraduate student
- Vicky Florou, Undergraduate student

10. Collaborations

Collaborations with institutions from abroad

- Marino Zerial, Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany.
- Temo Kurzchalia, Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany.
- Kai Simons Max Planck Institute of Molecular Cell Biology and Genetics, Dresden, Germany.
- Rob Parton, School of Biomedical Sciences, University of Queensland, Australia.
- Sandy Schmid, The Scripps Research Institute, La Jolla, USA.
- Christian Gachet, INSERM, Etablissement Francais du Sang-Alsace, Strasbourg, France.
- Herbert Zimmerman, Biozentrum der J.W. Goethe-Universitat, AK Neurochemie, Frankfurt am Main, Germany.
- Mitsunori Fukuda, Department of Developmental Biology and Neurosciences, Graduate School of Life Sciences, Tohoku University, Miyagi, Japan
- Hisanory Horiuchi, Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Japan
- Simon Robson, Department of Medicine and Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts, USA.
- Jason Mercer, MRC-Laboratory for Molecular Cell Biology, University College London, Gower Street, London WC1E 6BT, UK
- Lucia Morbidelli & Marina Ziche, Department of Life Sciences, University of Siena, Via Aldo Moro 2, 53100, Siena, Italy

Past and present collaborations with institutions of the country

- Dimitris Beis, Ass. Professor, University of Ioannina and BRI-FORTH
- Nektarios Tavernarakis, Professor, University of Crete and IMBB-FORTH
- Ioannis Charalambopoulos, Professor, University of Crete and IMBB-FORTH
- Theodoros Fotsis, Professor, Laboratory of Biological Chemistry, Medical School, University of Ioannina and Institute of Biomedical Research, Ioannina
- Carol Murphy, Researcher B ', Institute of Biomedical Research, Ioannina
- Evangelos Kolettas, Laboratory of Biology, Medical School, University of Ioannina and Institute of Biomedical Research, Ioannina
- Thomais Papamarkaki, Laboratory of Biological Chemistry, Medical School, University of Ioannina and Institute of Biomedical Research, Ioannina
- Dimitrios Galaris, Laboratory of Biological Chemistry, Medical School, University of Ioannina
- Charalambia Boleti, Researcher C, Hellenic Pasteur Institute
- Panagiotis Kouklis, Assistant Professor of Biology, Medical School, University of Ioannina
- Andreas Papapetropoulos, Professor, University of Patras
- Vassilios Tsikaris, Laboratory of Biochemistry, Department of Chemistry, University of Ioannina
- Alexandros Tselepis, Laboratory of Biochemistry, Department of Chemistry, University of Ioannina
- Argyris Efstratiadis, The Biomedical Research Foundation (BRFAA) of the Academy of Athens
- Konstantinos Tamvakopoulos, The Biomedical Research Foundation (BRFAA) of the Academy of Athens
- Zoe Kournia, The Biomedical Research Foundation (BRFAA) of the Academy of Athens
- Pavlos Agianian, Department of Molecular Biology and Genetics, Democritus University of Thrace

- Anastasios Troganis, Department of Biological Applications and Technologies, University of Ioannina.

11. Research Funding

- *Total number of grants:* ***35***
- ***Principal Investigator in 18*** *grants*
- *Total funding for the group of Christoforidis: 2.247.341,00€ (excluding funding for infrastructures)*

2000-2001 Marie Curie Individual Return grant, TMR-EC (Training and Mobility of Researchers), EU-FP5, 51,600€ (*Principal Investigator*)

2002-2003 Research committee, University of Ioannina, "Molecular mechanisms controlling the anti-thrombotic properties of ATP diphosphohydrolase, 5,870€. (scientific responsible)

2002-2005 General Secretary of Research and Technology Hellas, PENED Program, 2001/01ΕΔ585 "Signal transduction and intracellular membrane trafficking in endothelial cells" 44,021€ for our team. (participant)

2002-2005 EMBO Young Investigator award. «The role of endocytosis and secretion in the antithrombotic function of EC», 55,000€ (scientific responsible). http://www.embo.org/programmes/yip.html

2004-2005 Human Networks R&D training GSRT (2003-2005). «Applications of light microscopy methods in Biomedical Research and Diagnosis" 180,000€ (37,153€ for the University of Ioannina, 3,715€ for our team). (participant).

2005-2006 Pythagoras II program. «Plasma membrane and signal transduction: The role of lipid microdomains» 50,000€, 16,667€ for our team (Participant)

2005-2008 PENED 2003, GSRT, «Inter-relationships between molecular mechanisms of signal transduction, cytoskeleton and secretion in thrombosis and inflammation of endothelium», 199,080€, 66,360€ for our team. (Participant)

2006-2009 Integrated Project, FP6-2004-LIFESCIHEALTH-5, EU 6th Framework Programme, «Tracking the Endocytic Routes of Polypeptide Growth Factor Receptor Complexes and their Modulatory Role on Signalling. Endotrack» Total Budget of the Ioannina teams 702,363€, 234,121€ for the Christoforidis team (Participating faculty member of the research team from Ioannina)

2006-2009 Integrated Project, FP6-2004-LIFESCIHEALTH-5, EU 6th Framework Programme LIFESCIHEALTH, «PULMONARY HYPERTENSION: Functional Genomics and Therapy of Lung Vascular Remodelling. Pulmotension» Total Budget of Ioannina teams 322,078€, 107,359€ for the Christoforidis team (Co-applicant and scientific responsible for the group of teams of Ioannina)

2010-2012 Heraklitos II program, Greek Ministry of Education, «The role of VEGFR2 compartmentalization in VEGF signalling» 45,000€. (Scientific responsible)

2010-2013 (NSRF 2014-2020), Cooperation, Large Scale Cooperative Projects, «PIK3CA Oncogenic Mutations in Breast and Colon Cancers: Development of Targeted Anticancer Drugs and Diagnostics» Total budget 3,000,000€, 189,000€ for the teams in Ioannina, 63,000€ for our team (participant)

2010-2013 (NSRF 2014-2020), Cooperation, Large Scale Cooperative Projects, "Mechanisms of Induced Pluripotency: From transcriptional noise to stem cell therapies" 635,000€ for the teams in Ioannina, 75,000€ for our team (participant)

2012-2015 Cross-Border Cooperation within the European Neighbourhood and Partnership Instrument (ENPI), Mediterranean Sea Basin Joint Operational Programme, "Mobility, exchanges, training and professionalism of young experts from the Mediterranean basin in the field of safety evaluation and risk assessment of botanicals." "BRAMA", 15,000€ for our team (participant)

2013-2015 Epirus Region Operational Programme "New Knowledge", "Thrombosis and Inflammation: The diagnostic and therapeutic significance of the secretory mechanism of endothelial cells" 150,000€ (Scientific responsible)

2013-2015 GSRT, Ministry of Education and Religions, Kripis Program, "Basic mechanisms of differentiation of stem cells", 45,000€ for the lab (participant)

2013-2015 Operational Programme "Education and Lifelong Learning", Aristeia II, "Endocytosis, regulated secretion, and signalling in endothelial cells: Coordination, molecular mechanisms and implications in blood vessel diseases." budget 177,000€. (Scientific responsible)

2015-2017 Excellence Programme of IKY/Siemens, "Correlation between metabolism, endocytosis and signal transduction: Characterization of the role of the interaction between the metabolic enzyme ACAT2 and the small GTPase Rab5.", budget 49,300€ (Scientific responsible)

2015-2017 GSRT, Siemens Grant, Biology - Biophotonics - Health: "Modern Technological Approaches and Applications in the Field of Biology, Biophotonics and Health", Budget for Ioannina: 120,000€, 25,704€ for the lab (participant)

2016-2018 Ministry of Education and Religious Affairs, National Roadmap for Research Infrastructures, Operational Programme "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020), KRHPIS II, "Advanced research activities in Biomedical Technology and Agridiet", Budget for Ioannina: 480,000€, 45,000€ for the lab (participant)

2017-2018 Directorate of Scholarships (IKY), Awarded PhD student of our team: Evangelia Goula, Title: “Spatiotemporal coordination and mechanisms of communication between endocytosis and regulated exocytosis upon signalling by VEGFR2”, 12,240€ (Scientific responsible)

2017-2018 Directorate of Scholarships (IKY), Awarded PhD student of our team: Despina Gkeka, Title: “Study of spatiotemporal coordination of RabGTPases in regulated exocytosis in endothelial cells”, 12,240€ (Scientific responsible of the PhD student)

2017-2020 Ministry of Education and Religious Affairs, National Roadmap for Research Infrastructures, (NSRF 2014-2020), "BioImaging-GR: The Greek Research Infrastructure for the Imaging and Monitoring of Fundamental Biological Processes", Budget for the infrastructure in Ioannina: 204,500€ (Responsible for the Ioannina team)

2017-2020 Ministry of Finance, Call ΕΔΒΜ34 for the "Support of researchers with emphasis on young researchers" (NSRF 2014-2020), Proposal Title: "Mechanisms of Differentiation of Stem Cells into Endothelial Cells" 72,100€ (Scientific responsible)

2019-2020 Program ARCHERS of the Stavros Niarchos foundation, fellowship awarded to Katerina Galanopoulou, PhD student of our team. Title: “Interconnections between metabolism and endocytosis: elucidation of the role of a new interaction between Rab5 and the cytoplasmic thiolase ACAT2”, 11,313€ (Scientific responsible of the PhD student)

2019-2021 Greece and the European Union (European Social Fund-ESF) through the Operational Programme «Human Resources Development, Education and

Lifelong Learning» in the context of the project “Reinforcement of Postdoctoral Researchers - 2nd Cycle” (MIS-5033021), implemented by the State Scholarships Foundation (IKY). **“**Regulation of stem cell differentiation via endocytosis.” Budget: 19,605€ (Scientific responsible of the fellow)

2019-2021 Greece and the European Union (European Social Fund-ESF) through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project “Reinforcement of Postdoctoral Researchers - 2nd Cycle” (MIS-5033021), implemented by the State Scholarships Foundation (IKY). **“**Study of the molecular mechanism of galectin-1 entry into Weibel Palade bodies and exocytosis, in endothelial cells”, Budget: 19,605€ (Scientific responsible of the fellow)

2019-2022 Ministry of Finance, "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020) "Innovative development of new anticancer drugs with a therapeutic target for the oncoprotein MYC", Total budget 1,000,000€, Budget for Ioannina: 42,500€ (participant)

2020-2024 Hellenic Foundation for Research and Innovation (HFRI), Research grants for Academic Staff and Researchers «Drugging Protein-Membrane Interfaces: A Novel Approach for Targeted Drug Design», (participant, 26,339.00€ for the group of Christoforidis)

2023-2026 Funding for Applied Research, collaboration with Unipharma. Title: “Thrombosis and inflammation: Development of new diagnostic and therapeutic products focusing on the secretome of endothelial cells.” Budget: €93,000 (Principal Investigator).

2023-2025 EU Horizon-MSCA-2022-PF, Marie Curie Postdoctoral Fellowship, “Amyloid-β clearance in Alzheimer's disease: Unravelling the role of endocytic pathways of endothelial cells”, Post-doctoral fellow: Eftychia Vasili, Budget 169.326€ (co-Principal Investigators: Savvas Christoforidis and Nektarios Tavernarakis)

2023-2026 Flagship Actions in interdisciplinary scientific areas with a particular emphasis on links to the productive sector, Ministry of Development and Investments. Title: “National research network for elucidating the genetic basis of neurodegenerative diseases (Alzheimer’s and Parkinson’s), identifying reliable biomarkers, and developing innovative computational technologies and therapeutic strategies based on precision medicine.” Network budget: €4,915,000; €100,000 allocated to the Christoforidis group (participating member; Principal Investigator for IBR/FORTH)

2024 Travel grant from Boehringer Ingelheim Fonds, Foundation for Basic Research in Medicine, grant for Panagiotis Lentzaris, doctoral student in the lab, for participation in the EMBO Practical Course: Ultrastructure expansion microscopy, EMBL Heidelberg, Germany 15-19 April 2024 (Principal Investigator)

2024-2027 Ministry of Development and Investments, General Secretariat for Research and Innovation, Hellenic Foundation for Research and Innovation (HFRI), 5th Call for HFRI PhD Fellowships. PhD candidate from the laboratory: Panagiotis Lentzaris. Title: “Secretory vesicles involved in vascular function: identification of protein cargo and study of secretion mechanisms.” Project budget: €32,400 (Principal Investigator for the PhD candidate).

2025-2029 Ministry of Development and Investments, General Secretariat for Research and Innovation, Hellenic Foundation for Research and Innovation (HFRI), 3rd Call for the support of Faculty Members and Researchers, Title: “Crosstalk between endocytosis, signaling and exocytosis in vascular morphogenesis,” Project budget: €299,981 (Principal Investigator)

Infrastructure funding *(Total budget for BRI: 13.660.088,00€)*

2024-2026 **New BRI/FORTH Building:** Participation in drafting and submission of the proposal for funding of the new building of BRI-FORTH. Project title: "Innovation and Advanced Training Center of the Foundation for Research and Technology (FORTH)," co-funded by the Recovery and Resilience Facility and the European Investment Bank. Total budget for FORTH: €56,271,056. Budget for the new building of the Biomedical Research Institute at Ioannina: €12,816,888, for a building of **4,900m^2** (SC: PI for BRI-FORTH) (see current state of the construction in the picture below)

The new building of BRI-FORTH at Ioannina, 4,900m^2 (April 2026)

2026-2030 **New State of the art super-resolution confocal microscope:** Project title: "High-resolution research infrastructure for supporting innovation in Epirus.". Funded by the Region of Epirus, Managing Authority of the Epirus Programme 2021–2027, Action 1.i.1b: Strengthening of open research infrastructures of regional character. Consortium with the University of Ioannina and Hellenic Agricultural Organization – DIMITRA (ELGO-DIMITRA). Total project budget: €5,600,000; Budget for BRI/FORTH: €843,200, for purchasing a state-of-the-art confocal microscope, with superesolution capacity, including FRET-FLIM, FRAP and AI (SC: PI for BRI/FORTH).

12. Publications in Conferences (Greek and International)

12.1. Publications in Greek Conferences (abstract or poster or oral presentations)

1. S. Christoforidis, D. Galaris, T. Papamarkaki and O. Tsolas. Purification and characterization of ATP diphosphohydrolase from human term placenta. 9th Balkan Biochemical and Biophysical Days, Thessaloniki, 21-23 May, 1992 (abstract and oral presentation).
2. S. Christoforidis, T. Papamarcaki, D. Galaris, and O. Tsolas. Subcellular localization of human placental ATP diphosphohydrolase. Hellenic Biochemical Biophysical Society Meeting, Larissa, 7-8 May, 1993 (abstract, poster).
3. S. Christoforidis, T. Papamarcaki and O. Tsolas. Antibodies to ATP diphosphohydrolase from human term placenta recognize a glycosylated (82 kDa) and a deglycosylated (57 kDa) form. Hellenic Biochemical and Biophysical Society Meeting, Athens, 21 - 22 January, 1994 (abstract, poster).

4. S. Christoforidis, C. Schnatwinkel, and M. Zerial, Molecular mechanisms of intracellular vesicular transport in the endocytic pathway, Hellenic Biochemical and Biophysical Society Meeting, Athens, December, 2001 (**invited speaker**)
5. Papanikolaou, C. Murphy, T. Papamarcaki, O. Tsolas, A. Papafotika, T. Fotsis, and S. Christoforidis. The ecto-nucleotidase CD39 is targeted to the apical surface of polarized cells and colocalizes with actin. Hellenic Biochemical and Biophysical Society Meeting, Athens 2003, (abstract, poster).
6. Papanikolaou, A. Papafotika, J. Mitsios, A. Tselepis, M. Drak, T. Kurzchalia, O. Tsolas, and S. Christoforidis. Cholesterol-dependent lipid microdomains regulate the function of the anti-thrombotic factor CD39.Hellenic Biochemical and Biophysical Society Meeting, Larisa 2004, (abstract and oral presentation).
7. Christoforidis S. "Understanding of the diversity of endocytic organelles by visualizing the effectors of the small GTPase Rab5" Modern Light Microscopy Techniques in Biomedical Research, University of Crete, Crete, October 31-Nov 4, 2005. **(invited speaker)**
8. A. Petrou, S. Christoforidis, Pathophysiology of hypoxia in apnea. A brief consideration. The Greek E-Journal of Perioperative Medicine 2006; 4: 15-36 (full paper in a Greek magazine)
9. Papanikolaou, A. Papafotika, and S. Christoforidis. Transmembrane/cytoplasmic domains of the anti-thrombotic factor CD39 play determining role in transport and enzymatic activity. 58th Meeting of Hellenic Society of Biochemistry and Molecular Biology, 9-11 November 2006, Patras, Greece. (abstract, poster).
10. S. Christoforidis "Interconnections between signal transduction, exocytosis and endocytosis in endothelial cells", 1st Molecular Oncology & Targeted Therapy Training Seminar for Clinical Oncologists, Metsovo, March 30 - April 1, 2007 **(invited speaker)**
11. S. Zografou, A. Papafotika, C. Xilouri, E. Mortz, S. Wilhelm, K. Rutschmann, D. Auerbach, H. Aygón and S. Christoforidis. Rab27a: A positive regulator of weibel-palade body exocytosis in endothelial cells. 59th Meeting of Hellenic Society of Biochemistry and Molecular Biology, 7-9 Dec. 2007, Athens. (abstract, poster)
12. Christos Papadopoulos, Savvas Christoforidis, Sofia Zografu, Alexandra Ntouhaniari, Panagiotis Kouklis and Vassilios Tsikaris "Influence of CDC42 derived peptides conjugated to a Cell Penetrating Sequential Carrier on rearrangement of actin and Weibel-Palade Bodies secretion" 6th Hellenic Forum on Bioactive Peptides, Patras, 18-20 May 2008 (abstract, poster)
13. C. Boleti, D. Smyrli, S. Christoforidis, P. Mavromara, "Study of anchoring and retention Sequences in the endoplasmic reticulum (ER) of the hepatitis C virus NS4B protein: Fusion of NS4B with the plasma Membrane CD39 reveals an experimental system for the identification of membrane protein retention sequences in ER" 30th Annual Scientific Conference of the Hellenic Society of Biological Sciences. Thessaloniki, 22-24 May 2008. (abstract, poster)
14. D. Basagiannis, M. Drab, C. Xilouri, H. Aygon, S. Christoforidis. The role of Caveolae in VEGFR-2 signaling and endothelial cell migration. 60th Meeting of Hellenic Society of Biochemistry and Molecular Biology, 20-22 Nov 2009, Athens. (abstract, poster)
15. Christos Papadopoulos, Sofia Zografou, Alexandra Ntouhaniari, Eleana Papadopoulou, Panagiotis Kouklis, Savvas Christoforidis and Vassilios Tsikaris. "Cdc42 derived peptides conjugated to a new cell penetrating sequential carrier (CPSC) and their effect on the rearrangement of actin and Weibel-Palade bodies secretion" 7th Hellenic Forum on Bioactive Peptides, Patras, 16-17 May 2010. (abstract, poster)
16. Ziogas A., Papanikolaou A., Pappas N., Korn K., Moebius C., Fotsis T., Fava E., Murphy C., Zerial M. and Christoforidis S., "Identification of Rab5 effectors involved in activin A signaling", 61st EEBMB, 15-17 Okt, 2010, Alexandroupolis, Greece. (abstract, poster)
17. Basagiannis D., Zografou S., Xilouri C., Murphy C., Fotsis T. and Christoforidis S. "Dynamin-mediated endocytosis is indispensable for VEGF-induced Palade body

exocytosis but redundant for VEGFR2 degradation." 62nd EEBMB, Athens, Greece, 9-11 Dec, 2011. (abstract, poster)

18. Sofia Zografou, Dimitris Basagiannis and Savvas Christoforidis, "Coordination between exocytosis, endocytosis and signaling." 62nd EEBMB, Athens, Greece, 9-11 Dec, 2011. (**abstract, invited speaker**).

19. Maria Pavlaki, Eftychia Angelou, Jonathan Popplewell, Savvas Christoforidis, Zoe Cournia, Pavlos Agianian, "Surface Plasmon Resonance in the investigation of protein membrane interactions" 64th HSBMB, Athens, Greece, 6-8 Dec, 2013. (Poster-abstract).

20. Ntouhaniari D. Alexandra, Kalimanis A., Christoforidis S. and Kouklis P. "The cadherin topology in endothelial cells is influenced by plasma membrane microdomains." 64th HSBMB, Athens, Greece, 6-8 Dec, 2013. (Poster-abstract).

21. E. Kouvari, O. Argyros, P. Marakos, N.Pouli, N. Lougiakis, S.Christoforidis, E. Mikros, L.Skaltsounis C. Tamvakopoulos, "Identification and development of structurally novel inhibitors against the H1047R mutant of PI3Kα." 8th Conference of the Hellenic Society for Basic and Clinical Pharmacology, Athens, Greece, 23-25 May 2014. (Poster-abstract).

22. Lazani V, Papafotika A, Ioannou M, Aivaliotis M, and Christoforidis S, "A proteomic approach to get insights into the role of Weibel Palade bodies of Endothelial cells in thrombosis and angiogenesis", 65th HSBMB meeting, Thessaloniki, Greece, 28-30 Nov, 2014. (Poster-abstract).

23. Basagiannis D, Zografou S, Murphy C, Fotsis T, Morbidelli L, Ziche M, and Christoforidis S, "Distinct endocytic routes play discrete roles in VEGFR2 signalling", 65th HSBMB meeting, Thessaloniki, Greece, 28-30 Nov, 2014. (Poster-abstract).

24. Zografou S, Bagli E, Basagiannis D, Mantzaris M, Murphy C, Fotsis T, Christoforidis S "VEGFR2 endocytic routes and vascular development", 65th HSBMB meeting, Thessaloniki, Greece, 28-30 Nov, 2014. (Poster-abstract).

25. Gkeka P, Evangelidis T, Pavlaki M, Lazani V, Christoforidis S, Agianian B, and Cournia Z "Investigating the structure and dynamics of the PIK3CA wild-type and H1047R oncogenic mutant." IXth Joint Meeting in Medicinal Chemistry, Hellenic Society of Medicinal Chemistry, 7-10 June 2015, Athens, Greece (Poster-abstract).

26. Galanopoulou K, Papanikolaou T, Ziogas T, Zerial M, and Christoforidis S, "Acetoacetyl CoA thiolase is a new Rab5-interacting protein that regulates endosome fusion". 66th HSBMB meeting, Athens, Greece, 11-13 Dec, 2015. (Poster-abstract).

27. Georvasili B, Lianos C, Christoforidis S, Kalyvioti X, Baltogiannis G, Bali C, "Study of the levels of Von Willebrand factor in cancer patients" 30th Panhellenic Congress of Surgery & International Surgery Forum 8-12 Nov, 2016, Thessaloniki (Poster-abstract).

28. Basagiannis D, Zografou S, Murphy C, Fotsis T, Morbidelli L, Ziche M, Bleck C, Mercer J and Christoforidis S, "Endocytic routes in control of VEGFR2 function: Protection of the receptor and regulation of signaling" 67th HSBMB meeting, Ioannina, Greece, 25-27 Nov, 2016 (oral presentation-abstract) **(award for oral presentation)**.

29. Galanopoulou K, Ziogas T, Papanikolaou A, Zerial M, and Christoforidis S, "The cytoplasmic Acetoacetyl CoA Thiolase (ACAT2) interacts with the GDP-form of Rab5 and regulates endocytic membrane transport". 67th HSBMB meeting, Ioannina, Greece, 25-27 Nov, 2016 (Poster-abstract).

30. Zografou S, Bagli E, Basagiannis D, Murphy C, Fotsis T, Christoforidis S "Mapping of the endocytic pathways of VEGFR2 in human stem cells and in the different developmental stages towards the endothelial lineage", 67th HSBMB meeting, Ioannina, Greece, 25-27 Nov, 2016 (Poster-abstract).

31. Kapella A, Gkeka P, Stellas D, Vidali V, Papafotika A, Cournia Z, Christoforidis S, Efstratiadis A, Couladouros E, "Design and synthesis of H1047R mutated PI3Kα

targeted inhibitors", Conference of the Hellenic Society for Computational Biology and Bioinformatics HSCBB17, Athens, Greece, 11-13 October 2017 (Poster-abstract).

32. Goula E, Lazani V, Papafotika A, Ioannou M, Aivaliotis M, and Christoforidis S. "Lingering-kiss regulated exocytosis as a possible mechanism that explains the presence of Galectin-1 in Weibel Palade Bodies", 68th HSBMB meeting, Athens, Greece, 13-14 Oct, 2017 (Poster-abstract).

33. Gkeka D, Zografou S, and Christoforidis S, "Spatiotemporal organization of RabGTPases in stimulated exocytosis in endothelial cells", 68th HSBMB meeting, Athens, Greece, 13-14 Oct, 2017 (Poster-abstract).

34. Kapella A, Gkeka P, Stellas D, Vidali V, Papafotika A, Cournia Z, Christoforidis S, Efstratiadis A, Couladouros E, "Design and synthesis of H1047R mutated PI3Kα targeted inhibitors", 18th Conference of Mecical Chemistry, Patras 30-31 October 2017 (Poster-abstract).

35. S. Christoforidis "Oncogenic Mutations of PI-3-Kinase in Breast and Colon Cancers: Development of Targeted Anticancer Drugs" 13th Training Seminar of Molecular Oncology & Targeted Therapy | 29 & 30 March 2018, Ioannina (**invited speaker**)

36. Despoina Gkeka, Yannis Kalaidzidis, and Savvas Christoforidis, 69th HSBMB meeting, "Timing and dynamics of recruitment of RabGTPases on Weibel Palade Bodies during regulated exocytosis in endothelial cells", 23-25 Nov, 2018, Larisa, Greece (Poster-abstract).

37. Valia Karamani, Alexandra Papafotika, George Markopoulos, Evaggelos Kolettas, Hari Leontiadou, Zoe Cournia, and Savvas Christoforidis, 69th HSBMB meeting, "Development and validation of specific inhibitors against the PI3Kα E545K oncogenic mutant", 23-25 Nov, 2018, Larisa, Greece (Poster-abstract).

38. Evangeli Goula, Vasiliki Lazani, Michalis Aivaliotis, and Savvas Christoforidis, 69th HSBMB meeting, "Unconventional secretion in endothelial cells: Cytoplasmic galectin-1 enters Weibel-Palade bodies", 23-25 Nov, 2018, Larisa, Greece, (1st poster award to PhD student E. Goula)

39. Evangelos Sfikas, Despoina Gkeka, Savvas Christoforidis, Martina Samiotaki, Efstathios Hatziloukas, Theologos Michailidis, Amalia-Sofia Afendra, «Therapeutic approach and investigation of α-synuclein protein interactions in a yeast model of Parkinson's Disease» 69th HSBMB meeting, 23-25 Nov, 2018, Larisa, Greece, (Poster-abstract).

40. Katerina Galanopoulou, Thanasis Ziogas, Dimitris Basagiannis, Sofia Zografou, Agathi Papanikolaou, Michalis Aivaliotis, Marino Zerial and Savvas Christoforidis, "The cytoplasmic Acetoacetyl CoA Thiolase (ACAT2), a novel Rab5 effector, regulates endocytic membrane transport" 70th HSBMB Annual Conference, 29.11-01.12, 2019, Athens (**1st poster award to PhD student K. Galanopoulou**)

41. Katerina Galanopoulou, Thanasis Ziogas, Agathi Papanikolaou, Michalis Aivaliotis, Marino Zerial and Savvas Christoforidis, "The role of cytoplasmic Acetoacetyl CoA Thiolase (ACAT2), a novel Rab5 effector, in endocytic membrane transport" 12th Scientific FORTH Retreat, FORTH/ICE-HT, Patras, October 14-16 2019 (**Best poster presentation award**)

42. Despoina Gkeka and Savvas Christoforidis, «Endosomal compartments interact with the exocytic organelles Weibel Palade Bodies in a Rab27-dependent manner», 12th Scientific FORTH Retreat, FORTH/ICE-HT, Patras, October 14-16 2019 (abstract and poster)

43. Evangelia Goula, Vasiliki Lazani, Alexandra Papafotika, Michalis Aivaliotis and Savvas Christoforidis, «Unconventional secretion hijacks the conventional pathway in endothelial cells», 12th Scientific FORTH Retreat, FORTH/ICE-HT, Patras, October 14-16 2019 (abstract and poster)

44. Alexandra Papafotika, Paraskevi Gkeka, Vasiliki Lazani, Argiris Efstratiadis, Apostolos Klinakis, Zoe Cournia and Savvas Christoforidis, «Hot spot oncogenic mutations of

Phosphatidylinositol 3-kinase α: Establishment of a new membrane-based activity assay and identification of novel specific allosteric inhibitors», 13th Scientific FORTH Retreat, Herakleion, July 16-17 2022 (abstract and poster)

45. Alexandra Papafotika, Paraskevi Gkeka, Vasiliki Lazani, Argiris Efstratiadis, Apostolos Klinakis, Zoe Cournia and Savvas Christoforidis, «Hot spot oncogenic mutations of Phosphatidylinositol 3-kinase α: Establishment of a new membrane-based activity assay and identification of novel specific allosteric inhibitors», InnoDays 2022, Herakleion, Nov 25-27 2022 (abstract and poster)

46. Panagiotis Lentzaris, Konstantinos Giotakis, Alexandra Papafotika, Athina Vasiliki Karra, Martha Kontostathi, Panagiotis Kliafas, Chara Konstantakopoulou and Savvas Christoforidis, "Development of a novel in vitro assay for the identification of chemical inhibitors of the MYC/MAX protein complex" 72nd HSBMB Annual Conference, 2-4 Dec, 2022, Patras, Greece

47. Panagiotis Lentzaris, Evangeli Goula, Panagiotis Botsios, Vasiliki Lazani, Styliani Tsiagka, Alexandra Papafotika, Michalis Aivaliotis and Savvas Christoforidis, "Unconventional protein secretion: cytoplasmic galectin-1 hijacks the exocytic organelles of endothelial cells", 73th HSBMB Annual Conference, 1-3 Dec, 2023, Athens, Greece

48. Ervelina Dalani, Alexandra Papafotika, Athina Vasiliki Karra, Martha Kintostathi and Savvas Christoforidis, "Establishment of an in vitro MYC-MAX complex formation assay to identify novel inhibitors of the MYC oncoprotein", 73th HSBMB Annual Conference, 1-3 Dec, 2023, Athens, Greece

49. Evi Vasili, Martha Kontostathi, Natalia Tsironi and Savvas Christoforidis, "Unraveling the role of endocytic pathways of endothelial cells in amyloid-β blood-brain barrier clearance in Alzheimer's disease", 14th FORTH Scientific Retreat, October 11-13, 2024, Conference Center of the International Olympic Academy, Ancient Olympia, Greece

50. Panagiotis Lentzaris, Evangeli Goula, Alexandra Papafotika, Christopher Thrasivoulou, Vasiliki Lazani, Michalis Aivaliotis and Savvas Christoforidis, "Beyond confocal resolution: differentiating the lumen from the periphery of thin, elongated vesicles in endothelial cells", 14th FORTH Scientific Retreat, October 11-13, 2024, Conference Center of the International Olympic Academy, Ancient Olympia, Greece

51. Evangeli Goula, Panagiotis Lentzaris, Vasiliki Lazani, Alexandra Papafotika, Michael Redd, Virginia Silio, Christopher Thrasivoulou, Michalis Aivaliotis and Savvas Christoforidis, "Cytoplasmic galectin-1 enters unconventionally into exocytic organelles of endothelial cells", 74th HSBMB Annual Conference, 13-15 Dec, 2024, Thessaloniki, Greece

52. Παναγιώτης Λέντζαρης, Έλενα Σάκα, Δημήτριος Τζεράνης και Σάββας Χριστοφορίδης, «Μοντελοποίηση Λειτουργικού Αγγειακού Ιστού In Vitro: Ικριώματα Κολλαγόνου-Γλυκοζαμινογλυκάνης (CG)», 13ο Πανελλήνιο Συνέδριο Βιοϋλικών, 28 και 29 Μαρτίου 2025, Ιωάννινα.

53. Panagiotis Lentzaris, Elena Saka and Savvas Christoforidis, ''Seeing Beyond Confocal Microscopy: Ultrastructure Expansion Microscopy Enables Membrane–Lumen Distinction in Ultrathin Vesicles", 44th Scientific Conference of the Hellenic Society of Biological Sciences, 22-24 May 2025, Ioannina, Greece

54. Evi Vasili, Martha Kontostathi, Natalia Tsironi, Maria Anna Papadopoulou, Ioannis Charalampopoulos and Savvas Christoforidis, ''Protection Against Alzheimer's Disease: Amyloid-β Clearance via Endocytic Pathways in Endothelial Cells", 44th Scientific Conference of the Hellenic Society of Biological Sciences, 22-24 May 2025, Ioannina, Greece (oral presentation)

55. Evi Vassili, Martha Kontostathi, Natalia Tsironi, Maria Anna Papadopoulou, Ioannis Charalampopoulos and Savvas Christoforidis, "The Role of Endothelial Endocytosis in Amyloid-β Clearance and Alzheimer's Disease Prevention", Neuromet online scientific symposium, August 25, 2025

56. Panagiotis Lentzaris, Evangeli Goula, Vasiliki Lazani, Elena Saka, Ariadni Vardaki, Alexandra Papafotika, Michael Redd, Virginia Silio, Christopher Thrasivoulou, Michalis Aivaliotis and Savvas Christoforidis, "Cytoplasmic Galectin-1 is a novel luminal cargo of Weibel–Palade bodies, revealing a new facet of protein secretion", 75th HSBMB Annual Conference, 5-7 Dec, 2025, Athens, Greece (oral presentation)

57. Evi Vasili, Martha Kontostathi, Natalia Tsironi, Maria Anna Papadopoulou, Ioannis Charalampopoulos and Savvas Christoforidis, "Macropinocytosis Regulates Amyloid-β Uptake and Clearance Across the Blood–Brain Barrier and Modulates Plaque Deposition in Alzheimer's Models", 75th HSBMB Annual Conference, 5-7 Dec, 2025, Athens, Greece

58. Panagiotis Lentzaris, Elena Saka and Savvas Christoforidis, ''Breaking the diffraction limit: Ultrastructure Expansion Microscopy enables super-resolution imaging of tiny vesicles", 75th HSBMB Annual Conference, 5-7 Dec, 2025, Athens, Greece

12.2. Publications in International meetings (abstract or poster or oral presentations)

1. S. Christoforidis, T. Papamarcaki, D. Galaris, and O. Tsolas. Purification and Properties of ATP diphosphohydrolase from human term placenta. 2nd International Union of Biochemistry and Molecular Biology Conference, "Biochemistry of Cell Membranes", Bari, Italy, 29 September - 3 October, 1993 (abstract, poster).

2. S. Christoforidis, T. Papamarcaki, and O. Tsolas. Purification and Properties of human placental ATP diphosphohydrolase, an anti-clotting agent. 5th Meeting of the Balcan Clinical Laboratory Federation, BCLF, Ioannina, Greece, 9-12 October 1997 (abstract).

3. R. Lippe, H. Horiouchi, H. McBride, S. Christoforidis, A. Simmonsen, H. Stenmark, and M. Zerial. Identification and analysis of Rab5 specific factors. Mechanisms of exocytosis, LA LONDE-LES-MAURES, France , April 20-24, 1998, (abstract, poster).

4. S. Christoforidis, V. Rybin, H. McBride, K. Ashman, M. Wilm, and M. Zerial. Novel, affinity purified Rab5 effectors are the only cytosolic requirements for early endosome fusion. Gordon Research Conference "Lysosomes", Proctor Academy, New Hampshire, USA, June 28-July 3, 1998 (abstract, poster).

5. S. Christoforidis, R. Lippe, A. Simmonsen, H. McBride, H. Gournier, H. Stenmark, and M. Zerial. Regulation of endocytic membrane traffic by Rab GTPases. 25th Silver Jubilee FEBS Meeting, The Bella center, Copenhagen, Denmark, July 5-10, 1998 (abstract).

6. O. Tsolas, T. Papamarcaki, S. Christoforidis. Blood fluidity and blood coagulation: Newer aspects. 6th Meeting of the Balkan Clinical Laboratory Federation, BCLF, Plovdiv, Bulgaria, 8-11 October, 1998 (abstract).

7. E. Nielsen, F. Severin, S. Christoforidis, J-C. Olivo, and M. Zerial. Rab5 regulates motility of early endosomes on microtubules. 38th American Society for Cell Biology Annual Meeting, San Francisco, CA, December 12-16, 1998 (abstract, poster)

8. S. Christoforidis, H. McBride, R. Lippe, A. Simmonsen, H. Stenmark, and M. Zerial. Regulation of endocytic membrane traffic by Rab GTPases. Keystone Symposia, The function of Small GTPases. Santa Fe, New Mexico, 6-11 March, 1999.

9. S. De Renzis, B. Soenichsen, E. Nielsen, S. Christoforidis, and M. Zerial. Sequential Action of Rab GTPases along the endocytic recycling pathway. European Congress of Cell Biology, ECBO, Bologna, Italy, May 8-11, 1999 (abstract, poster).

10. O. Tsolas, T. Papamarcaki, S. Christoforidis, and M. Vlassi. Molecular Effects of ATP Diphosphohydrolase on Blood Fluidity and Blood Clotting. 2nd International Workshop on Ecto-ATPases and Related Ecto-Nucleotidases. Diepenbeek, Belgium, June 14-18, 1999. (abstract)

11. M. Miaczynska, S. Christoforidis, L. Zhao, and M. Zerial. Molecular machinery of endosome fusion: Insights from reconstitution studies. 6th Joint meeting, The American

Society for Cell Biology, European Molecular Biology Organization, H. Dudley Wright Foundation, "Membrane Trafficking and the Cytoskeleton: An Integrated View", Santa Maria Imbaro, Italy, June 26-30, 1999 (abstract, poster).

12. O. Tsolas, T. Papamarcaki, and S. Christoforidis. Blood Coagulation, Blood Fluidity, and ATP Diphosphohydrolase. 7th Meeting of the Balkan Clinical Laboratory Federation, Antalya, Turkey, 4-7 November, 1999 (abstract).

13. S. Christoforidis, H. McBride, R. Lippe, A. Simmonsen, H. Stenmark, and M. Zerial. Regulation of endocytic membrane traffic by Rab GTPases. 5th International Symposium on Biochemical Roles of Eukaryotic Cell Surface Mcromolecules. Bangalore, India, 4-8 Jan, 1999 (abstract).

14. S. Uttenweiler-Joseph, S. Christoforidis, M. Zerial and M. Wilm. Differential Scanning for De Novo Sequencing: Application for the Identification of a Complex involved in Endocytosis. 48th ASMS Conference on Mass Spectrometry and Allied Topics. Long Beach Convention Center, Long Beach, California, June 11-15, 2000. (abstract, poster)

15. S. Uttenweiler-Joseph, S. Christoforidis, M. Zerial and M. Wilm. Functional proteomics highlights a novel mechanism in membrane trafficking. From Genome to Proteome. Knowledge Acquisition and Representation. Fourth Siena 2D electrophoresis meeting, Siena, Italy, Sept 4-7, 2000. (abstract, poster)

16. S. Christoforidis, C. Schnatwinkel, S. Uttenweiler-Joseph, Mathias Wilm, and Marino Zerial. Identification of new Rab5 effectors which regulate endosome function. European Life Scientist Organization (ELSO) meeting, ELSO 2000, Geneva, Switzerland, Sept 2-6, 2000. (abstract, poster)

17. J. Murray, S. Christoforidis, M. Zerial, and J. Backer. p150, the human ortholog of VPS15, is involved in endosomal targeting of hVPS34 and EEA1. ASCB, Fortieth annual meeting, San Francisco, CA, December 9-13, 2000. (abstract, poster)

18. S. Christoforidis, "The thromboregulatory role of endothelial cells" EMBO Young Investigator meeting, Heidelberg, Germany, 10-12 April 2002. (**invited speaker**)

19. S. Christoforidis, T. Papamarcaki, O. Tsolas, C. Schnatwinkel, and M. Zerial, Molecular mechanisms in the pathway of endocytosis. Implications in the function of ecto-ATPases. ATP 2002, Woods Hole, Massachusetts, USA, September 15-20, 2002. (**invited speaker**)

20. H. Shin, S. Christoforidis, M. Zerial, Rab5-regulated phosphoinositides synthesis and turnover and its cellular function MOL BIOL CELL 13: 2042, Nov. 2002. (abstract, poster)

21. S. Christoforidis, P.T. Doulias, M. Tenopoulou, et al. "Molecular mechanisms of H_2O_2-induced DNA damage: The action of desferrioxamine" FREE RADICAL RES 37: 35-35 Suppl. 1 2003. Free Radicals and Oxidative Stress: Chemistry, Biochemistry and Pathophysiological Implications, Meeting of the Society for Free Radical Research – European Section, Ioannina, Greece, June 26-29, 2003. (**invited speaker**)

22. A. Papanikolaou, A. Papafotika, A. Xilouri, J. Mitsios, A. Tselepis, and S. Christoforidis. Differential regulation of NTPdase1 and NTPdase2 by cholesterol. 8th International Symposium on Adenosine and Adenine Nucleotides, Ferrara, Italy. 24-28 May 2006. (abstract, poster).

23. C. Papadopoulos, S. Christoforidis, S. Zografu, A. Niouhaniari, P. Kouklis, V. Tsikaris, Influence of cdc42 derived peptides conjugated to a cell penetrating sequential carrier on rearrangement of actin and weibel-palade bodies secretion, Journal of Peptide Science, 14 (8): 118-118 Suppl. S, Aug. 2008. (abstract, poster).

24. Christoforidis S. "Signalling and trafficking in endothelial cells" EMBO Young Investigator meeting, Istanbul, Turkey, 13-15 May 2009. (**invited speaker)**

25. A. Papanikolaou, K. Korn, C. Moebius, N. Pappas, T. Fotsis, E. Fava, C. Murphy, M. Zerial and S. Christoforidis. "The role of Rab5 effectors in activin A signaling." International conference on the tracks of signaling. Il Ciocco, Tuscany, Italy, 9-11 Nov. 2009. (abstract, poster).

26. Christoforidis S. **"**The role of transmembrane domains in polarized transport and function using as a model protein the ecto-nucleotidase CD39." EMBO Young Investigator sectorial meeting, Polarity and Neuro, Orsay-Paris, 25-27 May, 2011. (**invited speaker)**

27. Christoforidis S. **"**Interrelationship between trafficking and signaling of VEGFR2 in endothelial cells" EMBO Young Investigator sectorial meeting, Cancer meeting, London UK, July 11-12, 2011. (**invited speaker)**

28. Dimitris Basagiannis, Sofia Zografou, Chrysanthi Xilouri, Carol Murphy, Theodore Fotsis and Savvas Christoforidis "VEGFR2 internalization is indispensable for VEGF-induced Palade body exocytosis." EMBO Conference on Dynamic Endosomes: Mechanisms Controlling Endocytosis, Chania, Crete, 24-29 Sept, 2011. (Poster-abstract)

29. M. Karagiannopoulos, D. Basagiannis, S. Christoforidis, G. Nakos, M. E. Lekka, "Secretory pathway of sPLA2-IIA from pneumonocytes type II after stimulation sith LPS" 12th Eurasia Conference on Chemical Sciences, Corfu, Greece, April 16-21, 2012. (Poster-abstract)

30. M. Karagiannopoulos, D. Basagiannis, S. Christoforidis, G. Nakos, M. E. Lekka, "Production and secretion of sPLA2-IIA from pneumonocytes type II after stimulation with LPS", 4th European Workshop on Lipid mediators, Pasteur Institute, Paris, September 27-28, 2012. (Poster-abstract).

31. Panagiotis Marakos, Konstantinos Daniilides, Nikolaos Lougiakis, Nicole Pouli, Evanthia Kouvari, Orestis Argyros, Constantin Tamvakopoulos, Alexandra Papafotika, Savvas Christoforidis. The design, synthesis and biological evaluation of some new fused pyridines which mimic the purine scaffold, The 6th Anglo-Swedish Medical Chemistry Symposium, June 16-19, 2013, Stockholm, Sweden. (Poster-abstract).

32. Nicole Pouli, Vasiliki Giannouli, Ioannis K. Kostakis, Panagiotis Marakos, Evanthia Kouvari, Orestis Argyros, Constantin Tamvakopoulos, Alexandra Papafotika, Savvas Christoforidis. Synthesis and cytotoxic activity evaluation of new substituted pyrazolopyridines. The 6th Anglo-Swedish Medical Chemistry Symposium, June 16-19, 2013, Stockholm, Sweden. (Poster-abstract).

33. Dimitris Basagiannis, Sofia Zografou, Carol Murphy, Theodore Fotsis, Chrysanthi Xilouri, Lucia Morbidelli, Marina Ziche, and Savvas Christoforidis. "Distinct endocytic routes play discrete roles in VEGFR2 signaling." EMBO Conference on Systems dynamics in endocytosis. "Systems dynamics in endocytosis", 29 Sept-4 Oct, 2013, Villars, Switzerland (Poster-abstract).

34. Christoforidis S. "Endocytosis and Exocytosis in Vascular Biology and de novo Differentiation of the Endothelial Lineage" MOBI4Health Meeting and Conference Bioinnovation & ScanBalt Forum 2013 Gdańsk, 16-18 October 2013. (**invited speaker)**

35. Christoforidis S. "The endothelial ecto-NTPdase1/CD39 exerts potent anti-platelet activity by hydrolyzing extracellular ADP" Advanced Learning on Platelets & Thrombosis International Course, ALPIC 2014, Metsovo, Greece, 7-9 March, 2014 (**invited speaker)**

36. Kapella A, Gkeka P, Papafotika A, Christoforidis S, Cournia Z, Couladouros E, "Synthesis and evaluation of the allosteric effect of PIK-108, a PI3Kalpha inhibitor", First International Congress: From Drug Discovery to Drug Delivery, Athens, Greece, 13-15 November, 2014. (Poster-abstract).

37. Gkeka P, Papafotika A, Christoforidis S, Cournia Z, "Investigating the Structure and Dynamics of the PIK3CA Wild-Type and H1047R Oncogenic Mutant for Potential Allosteric Modulation". 249th ACS National Meeting & Exposition - American Chemical Society, March 22-26, 2015, Denver, Colorado, USA (Poster-abstract).

38. Basagiannis D, Zografou S, Murphy C, Fotsis T, Morbidelli L, Ziche M, Bleck C, Mercer J and Christoforidis S, "Comprehensive analysis of the endocytic routes of VEGFR2 and the role they play in endothelial signaling." EMBO Conference on Systems dynamics in endocytosis. "The multidisciplinary era of endocytic mechanics and functions", 27 Sept – 2 Oct 2015, Mandelieu-la-Napoule, France (Poster-abstract).

39. Christoforidis S. **"**Role of vesicular transport in blood vessel formation" EMBO Young Investigator sectorial meeting in tissue morphogenesis, Dresden, Germany, 7-9 Feb, 2016. **(invited speaker)**

40. Christoforidis S. "Role of vesicular transport in blood vessel physiology", European Network on Microvesicles and Exosomes in Health and Disease, Training course on "Extracellular Vesicles & Exosomes: Analysis and Properties", Ioannina, March 1-3, 2016 **(invited speaker)**

41. Zografou S, Bagli E, Basagiannis D, Murphy C, Fotsis T and Christoforidis S, "Differentiation of human embryonic stem cells into endothelial cells and putative applications", MOBI4Health Conference, 12-15 April 2016, Gdansk, Poland (Poster-abstract).

42. Zoe Cournia, Paraskevi Gkeka, H Leontiadou, I Galdadas, C Athanasiou, Vasiliki Lazani, Maria Pavlaki, Bogos Agianian, Savvas Christoforidis, Argiris Efstratiadis, «Novel small molecule modulators of the hotspot PIK3CA mutants identified by computational and experimental approaches», American Association for Cancer Research (AACR), Annual Meeting 2019, March 29 - Apr 3, 2019, Atlanta, Georgia, USA

43. Paraskevi Gkeka, Vasiliki Lazani, Maria Pavlaki, Bogos Agianian, Savvas Christoforidis, Zoe Cournia «Investigating the structure and dynamics of oncogene proteins», CECAM Meeting: Learning the Collective Variables of Biomolecular Processes, July 10-12, 2019, FR-MOSER, Inria Paris, France

44. Vasiliki Lazani, Evangeli Goula, Despoina Gkeka, Alexandra Papafotika, and Savvas Christoforidis, EMBO Conference, The physics and chemistry of endocytosis at multiple scales, "Differentiation of hESCs towards endothelial cells alters the itinerary of VEGFR2 internalization", 1 – 6 September 2019, Ischia, Italy

45. Kapella A, Gkeka P, Stellas D, Vidali V, Papafotika A, Christoforidis S, Cournia Z, Couladouros E, "Design and synthesis of Targeted Inhibitors of PI3Kα as Candidate anti-Cancer Drugs", 18th Medicinal Chemistry Conference Drug Discovery and Design, Volume 34, No 2, 2020 (abstract).

46. Ervelina Dalani, Panagiotis Lentzaris, Konstantinos Giotakis, Athina Vasiliki Karra, Martha Kintostathi, Alexandra Papafotika, Stavroula Kirkou, Vasilis Mpistas, Thomas Antoniou, Andreas Tzakos and Savvas Christoforidis, "Targeting MYC-MAX complex formation: Establishment of an in vitro cell-free assay and identification of novel inhibitors", 1st International Symposium on Advanced Drug Discovery: Pioneering Peptide-Based and Small Molecule Innovations in Therapeutics, Diagnostics, and Theranostics, 19/04 – 21/4 2024, Ioannina, Greece (oral presentation)

47. Panagiotis Lentzaris, Evangeli Goula, Panagiotis Botsios, Vasiliki Lazani, Styliani Tsiagka, Alexandra Papafotika, Michalis Aivaliotis and Savvas Christoforidis, "A novel secretion mechanism: cytoplasmic galectin-1 hijacks the exocytic organelles of endothelial cells", EMBO Workshop on "Ultrastructure Expansion Microscopy", EMBL Heidelberg, Germany, 15–19 Απριλίου 2024 (Επιστημονικός Υπεύθυνος).

13. Patents

1. Title: "A new assay to detect substances useful for the therapy of cancer and infectious diseases." 16.09.99, European Patent Office - 99118385.6-2204. Inventors: Nielsen Erik, **Christoforidis Savvas**, Murphy Carol, Zerial Marino.
2. Title: "Assay to detect substances useful for therapy". United States Letters Patent, Serial Number 10/088,549, and Canadian Intellectual Property Office, CA 2384306, C12Q 1/44 (2006.01), 22/03/2001, Inventors: Nielsen Erik, **Christoforidis Savvas,** Murphy Carol, Zerial Marino, De Renzis Stefano.
3. Title: "Method of preparation and use of phosphoinositide 3-kinase inhibitors for cancerous diseases" 23.08.2019, PCT/EP2019/072648, European Patent Office, Inventors: Zoe Cournia, Argiris Efstratiadis, Anna Kapella, **Savvas Christoforidis**, Elias Couladouros.

14. Peer-reviewed publications

*(Total number of citations in Google Scholar: **7,763**, in Scopus: **5,071**, in Scopus excluding self-citations: **4,564**, total impact factor 2024: **373.3** (based on Thomson Reuters 2024), mean impact factor per publication: **9.8**)*

1. Papafotika A, Pavlaki M, Lazani V, Karamani VE, Aggelidis D, Kapella A, Kotzampasi DM, Agianian B, Efstratiadis A, Cournia Z and Christoforidis S. A new functional assay reveals that membrane binding is critical for overactivation of the phosphoinositide 3-kinase H1047R mutant. J Biol Chem. 2026 Mar;302(3):111207. doi: 10.1016/j.jbc.2026.111207
2. Siokatas C, Lampropoulou A, Smina A, Soupsana K, Kontostathi M, Karra AV, Karampelas T, Politou AS, Christoforidis S, Tamvakopoulos C and Sarli V. Developing MYC Degraders Bearing the Von Hippel-Lindau Ligand to Target the "Undruggable" MYC, ACS Pharmacol Transl Sci. 2024 Nov 15;7(12):3955-3968. doi: 10.1021/acsptsci.4c00452
3. Schuhmacher JS, Tom Dieck S, Christoforidis S, Landerer C, Davila Gallesio J, Hersemann L, Seifert S, Schäfer R, Giner A, Toth-Petroczy A, Kalaidzidis Y, Bohnsack KE, Bohnsack MT, Schuman EM and Zerial M. The Rab5 effector FERRY links early endosomes with mRNA localization. Mol Cell. 2023 Jun 1;83(11):1839-1855.e13. doi: 10.1016/j.molcel.2023.05.012.
4. Kotzampasi DM, Premeti K, Papafotika A, Syropoulou V, **Christoforidis S**[#], Cournia Z[#], Leondaritis G[#]. The orchestrated signaling by PI3Kα and PTEN at the membrane interface. Comput. Struct. Biotechnol. J. 2022 Oct 7;20:5607-5621. doi: 10.1016/j.csbj.2022.10.007. eCollection 2022, [#]**Equal corresponding authors**
5. Basagiannis D, Zografou S, Goula E, Gkeka D, Kolettas E, **Christoforidis S.** (2021) Chemical Inhibitors of Dynamin Exert Differential Effects in VEGF Signaling. **Cells**. Apr 23;10(5):997. doi: 10.3390/cells10050997. PMID: 33922806.
6. Papadopoulos C, Fotou E, Moussis V, Ntoyhaniari A, Zografou S, Maltabe V, Kouklis P, **Christoforidis S**, Tsikaris V. (2021) Intracellular targets: A multiple cargo transporting molecule. **J Pept Sci.** 2021 Nov;27(11):e3359. doi: 10.1002/psc.3359.

7. Basagiannis D, Zografou S, Galanopoulou K, **Christoforidis S.** (2017) Dynasore impairs VEGFR2 signalling in an endocytosis-independent manner. **Sci Rep.** 2017 Mar 22;7:45035. doi: 10.1038/srep45035.

8. Martzoukou O, Amillis S, Zervakou A, **Christoforidis S**, Diallinas G. (2017) The AP-2 complex has a specialized clathrin-independent role in apical endocytosis and polar growth in fungi. **Elife**. Feb 21;6. pii: e20083. doi: 10.7554/eLife.20083.

9. Argyros O, Lougiakis N, Kouvari E, Papafotika A, Raptopoulou CP, Psycharis V, **Christoforidis S**, Pouli N, Marakos P, Tamvakopoulos C. (2017) Design and synthesis of novel 7-aminosubstituted pyrido[2,3-b]pyrazines exhibiting anti-breast cancer activity. **Eur J Med Chem**. Jan 27;126:954-968.

10. Daniilides K, Lougiakis N, Evangelidis T, Kostakis IK, Pouli N, Marakos P, Mikros E, Skaltsounis AL, Bach S, Baratte B, Ruchaud S, Karamani V, Papafotika A, **Christoforidis S**, Argyros O, Kouvari E, Tamvakopoulos C. (2017) Discovery of new aminosubstituted pyrrolopyrimidines with antiproliferative activity against breast cancer cells and investigation of their effect towards the PI3Kα enzyme. **Anticancer Agents Med Chem.** 2017;17(7):990-1002.

11. Basagiannis D, Zografou S, Murphy C, Fotsis T, Morbidelli L, Ziche M, Bleck C, Mercer J, **Christoforidis S.** (2016) VEGF induces signalling and angiogenesis by directing VEGFR2 internalisation via macropinocytosis. **J Cell Sci**, 129(21):4091-4104

12. Basagiannis D, **Christoforidis S.** (2016) Constitutive Endocytosis of VEGFR2 Protects the Receptor against Shedding. **J Biol Chem.** 291, 16892-903

13. Tsolis KC, Bagli E, Kanaki K, Zografou S, Carpentier S, Bei ES, **Christoforidis S**, Zervakis M, Murphy C, Fotsis T, Economou A. (2016) Proteome Changes during Transition from Human Embryonic to Vascular Progenitor Cells. **J Proteome Res.** 2016 Jun 3;15(6):1995-2007. doi: 10.1021/acs.jproteome.6b00180.

14. Kitsiouli E, Antoniou G, Gotzou H, Karagiannopoulos M, Basagiannis D, **Christoforidis S**, Nakos G, Lekka ME. (2015) Effect of azithromycin on the LPS-induced production and secretion of phospholipase A2 in lung cells. **Biochim Biophys Acta**. (Molecular Basis of Diesease) 2015 Jul;1852(7):1288-97. doi: 10.1016/j.bbadis.2015.03.008.

15. Gkeka P, Evangelidis T, Pavlaki M, Lazani V, **Christoforidis S**, Agianian B, and Cournia Z (2014) Investigating the structure and dynamics of the PIK3CA wild-type and H1047R oncogenic mutant. **PLoS Comput Biol**, 10(10), e1003895

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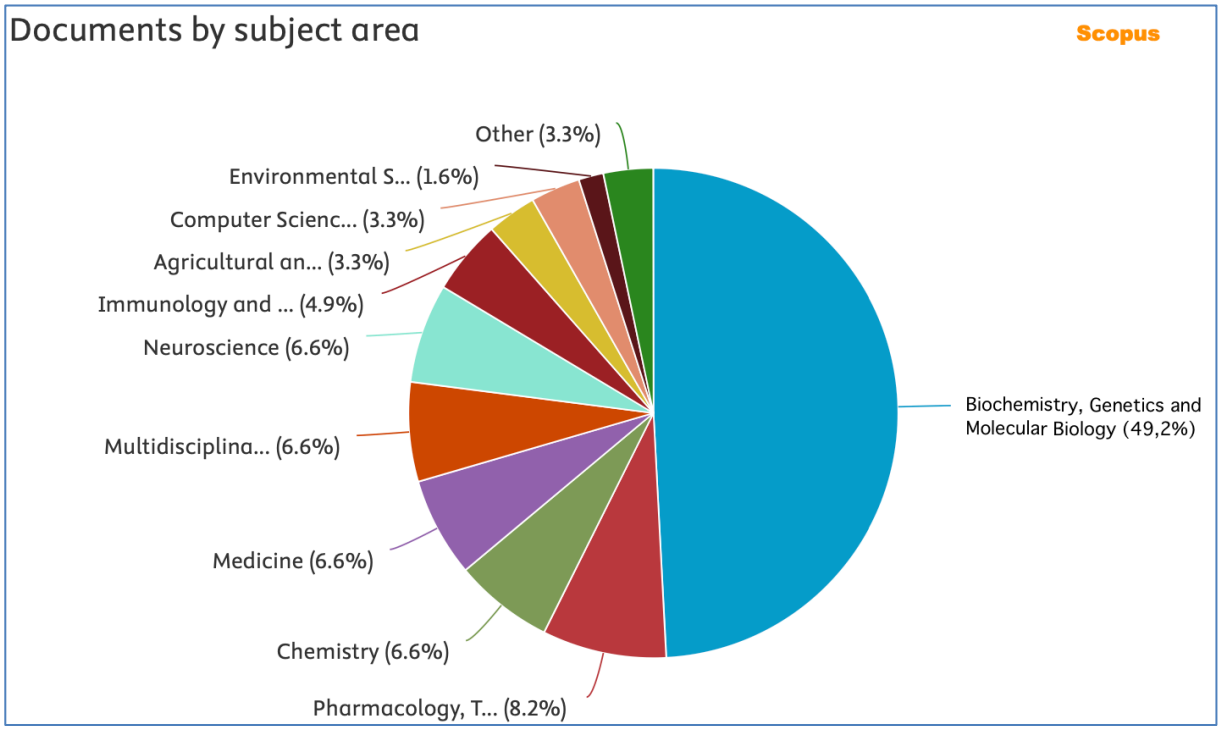

15. Summary of research activity

Total number of peer reviewed publications	**38**
Number of citations	• **google scholar: 7,763** • **Scopus: 5,071 (4,564 excluding self-citations, Scopus)**
Mean number of citations (per publication)	• **google scholar: 204** • **Scopus: 133 (120 excluding self-citations)**
Total impact factor (Thomson Reuters 2024)	**373.3**
Mean impact factor (per publication)	**9.8**
h-index	• **google scholar: 26** • **Scopus: 25**
Number of grants	**Total: 35** **Participant in: 17** **Coordinator in: 18**
Total funding for the group 2001-2029	**2,247,341.00€**
Έργα για χρηματοδότηση Υποδομών **-νέο κτήριο IBE-ITE** **-νέο συνεστιακό μικροσκόπιο με υπερδιακριτική ικανότητα και FLIM-FRET**	**13.660.088,00€**