

CURRICULUM VITAE

PERSONAL INFORMATION	
SURNAME	Christoforidis
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CURRENT POSITION(S)
Professor of Biological Chemistry, Faculty of Medicine, University of Ioannina, Greece
Director of the Biomedical Research Institute (Ioannina), Foundation for Research and Technology-Hellas, Ioannina, Greece (https://www.bri.forth.gr/en/about-bri)
Research director/Group leader , Biomedical Research Institute (Ioannina), Foundation for Research and Technology-Hellas, Ioannina, Greece (Lab web pages: https://www.bri.forth.gr/en/research-en/item/117-savvas-christoforidis and https://www.bri.forth.gr/bri-people/en/christoforidis-laboratory)

PREVIOUS POSITION(S)
2019 - 2022 Head of the Division of Biomedical Research at Ioannina, Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology-Hellas, Greece
2014 - 2018 Associate Professor , Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece
2007 - 2014 Assistant Professor , 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
2000 - 2001 Marie Curie Researcher/EU Individual Return Grant Fellow , Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece
1997 - 2000 Post-doctoral fellow/Marie Curie TMR fellow/Max Planck fellow , EMBL, Heidelberg, Germany
2001- Affiliated Researcher , Biomedical Research Institute (Ioannina), Foundation for Research and Technology-Hellas, Ioannina, Greece

EDUCATION
1990 - 1995 PhD Thesis , Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece, "Purification and Properties of the enzyme ATP diphosphohydrolase from human placenta", Suma cum laude
1986 - 1990 Diploma in Chemistry , Department of Chemistry, Aristotle University of Thessaloniki, Greece, Suma cum laude (grade 8.93/10.00)

MEMBERSHIPS & REVIEWING ACTIVITIES	
2023	Reviewer of grant applications in the Open Competition Domain Science NWO, the Dutch Research Council
2023	Reviewer of grant applications in the Medical Research Council, UK
2023	Reviewer of the proposals for the H2020 Spreading Excellence and Widening - Twinning

2022	Reviewer, as an independent expert, in the monitoring of the Twinning Network INTEGRNA
2019-2020	Reviewer of the proposals for the H2020 Spreading Excellence and Widening - Twinning
2017	Reviewer of ELIDEK PhD student fellowships
2017	Member of the Scientific Committee of the 28th Conference of the European Society for Biomaterials, Tissue engineering and regenerative medicine", ESB 2017, 4-8 Sept 2017, Athens.
2017	Reviewer of proposals of the EDBM34 program, NSRF 2014-2020, GSRT, Greece
2016-2020	Member of the Scientific Council of IMBB-BR/FORTH, Ioannina
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
2015-2017	Member of the Internal Evaluation Group, Department of Medicine, University of Ioannina
2015	Reviewer of proposals for the Vidi program, Innovational Research Incentive Scheme, The Netherlands
2013-2017	Member of the scientific advisor committee of the MOBI4HEALTH Network, FP7-REGPOT
2009	Reviewer of proposals in the Heraklitus program, Ministry of Education, Greece
2007	Reviewer of proposals, Portuguese Foundation for Science and Technology (FCT)
2006	Reviewer of proposals, Fondation pour la Recherche Medicale, France
2002-2005	Member of the EMBO Young Investigator network (https://yip-search.embo.org/#/yip/2421)
2001-	Reviewer of International Scientific Journals: EMBO, EMBO Reports, PNAS, Journal of Cell Science, Biochem Pharmacol, Biochem J, Exp Cell Res, Purinergic Signalling, FASEB Journal, International Journal of Molecular Sciences, Cells, Molecular Psychiatry
2001-	Reviewer of EMBO long term and short term fellowships
2001-	Member of Scientific Societies: Hellenic Society of Biochemistry and Molecular Biology; Hellenic Society of Biology; Hellenic Society of Chemistry; American Association for the Advancement of Science; European Light Microscopy Initiative (ELMI); Hellenic Bioimaging Society.

TEACHING ACTIVITIES

2021-2024	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 Master's Program "Molecular Cell Biology and Biotechnology", University of Ioannina, Greece
2015 - 2024	Participation in teaching the course "Biological Chemistry" in the Master's Program Basic Biomedical Sciences, University of Ioannina, Greece
2015 - 2024	Participation in teaching the course "Intercellular communication" in the Master's Program Medical Chemistry, University of Ioannina, Greece
2002 - 2024	Participation in teaching the course "Molecular Cell Biology" in the Interdepartmental Master's Program "Molecular Cell Biology and Biotechnology", University of Ioannina, Greece
2001 - 2024	Participation in teaching the courses of "Biochemistry I and II", Department of Medicine, University of Ioannina, Greece
2001 - 2024	Participation in teaching the practical courses of "Biochemistry II", Department of Medicine, University of Ioannina, Greece

SUPERVISION OF GRADUATE STUDENTS & POSTDOCTORAL FELLOWS	
At the University of Ioannina and BRI/FORTH Ioannina, Greece:	
2001-2024	Supervisor of 6 concluded and 2 ongoing PhD Theses,
2001-2024	Member of the supervisory committee of 17 concluded and 13 ongoing PhD Theses
2001-2024	Supervisor of 11 concluded and 1 ongoing Master's Theses
2001-2024	Supervisor of 12 concluded and 2 on-going under-graduate diploma Theses
2001-2024	Member of the Examining Committee in 48 concluded Doctoral Theses
2001-2024	Member of the Examining Committee in 25 concluded Master Theses
2006-2024	Supervisor of 6 concluded and 2 ongoing Post-doctoral studies

FELLOWSHIPS and AWARDS	
2019	1st Award to the PhD student of our group K. Galanopoulou, for the research and poster "The cytoplasmic Acetoacetyl CoA Thiolase (ACAT2), a novel Rab5 effector, regulates endocytic membrane transport" 70th HSBMB Annual Conference, 2019, Athens, Greece
2018	1st Award to the PhD student of our group Evangelia Goula, for the research and poster presentation "Unconventional secretion in endothelial cells: Cytoplasmic galectin-1 enters Weibel-Palade bodies", 69th HSBMB meeting, Larisa, Greece, 23-25 Nov, 2018
2016	Award to PhD student of our group Dimitris Basagiannis, for the research and oral presentation "Endocytic routes in control of VEGFR2 function: Protection of the receptor and regulation of signaling", 67th HSBMB meeting, Ioannina, Greece, 25-27 Nov, 2016
2002-2005	EMBO Young Investigator award (http://www.embo.org/programmes/yip.html)
2000-2001	Return grant, Marie Curie individual fellowship, EU, University of Ioannina, Greece
1999-2000	Post-doctoral Research Fellow of the Max-Planck Institute, Heidelberg, Germany
1997-1999	Post-doctoral Research Fellow of the Training and Mobility of Researchers program of European Community (Marie Curie TMR program , EMBL, Heidelberg, Germany)
1993-1995	Special Graduate Scholar for PhD studies, EMY , University of Ioannina, Greece
1991-1993	G.Stavrou scholarship for PhD studies, , University of Ioannina, Greece
1990	Benaki-Prize for undergraduate studies, Aristotle University of Thessaloniki, Greece
1990	State scholar for excellence in undergraduate studies, IKY , rank: 2 nd , Aristotle University of Thessaloniki, Greece

RESEARCH GRANTS			
Project Title	Funding source	Period	Role of the PI
Total number of grants: 32. Principal Investigator in 15 grants. Total Budget for the lab: 1.5 m€. Participated in four European grants: EU Marie Curie, EU/FP6 and EU/FP7, Horizon MSCA PF			
Indicative relevant previous grants:			
"Amyloid- β clearance in Alzheimer's disease: Unravelling the role of endocytic pathways of endothelial cells", Post-doctoral fellow: Eftychia Vasili	EU Horizon-MSCA-2022-PF, Marie Curie Postdoctoral Fellowship	2023-2025	Scientific Responsible (shared)

“Thrombosis and inflammation: Development of new diagnostic and therapeutic products focusing on the secretome of endothelial cells.”	Funding of Applied Research, Unipharma	2023-2026	Scientific Responsible
"Innovative development of new anticancer drugs with a therapeutic target for the oncoprotein MYC"	Ministry of Finance, "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020)	2019-2022	member
BioImaging-GR: The Greek Research Infrastructure for the Imaging and Monitoring of Fundamental Biological Processes	Ministry of Education and Religious Affairs, National Roadmap for Research Infrastructures	2017-2020	Member
Mechanisms of Differentiation of Stem Cells into Endothelial Cells	Ministry of Finance, Call EΔBM34	2018-2020	Scientific Responsible
Correlation between metabolism, endocytosis and signal transduction: Characterization of the role of the interaction between ACAT2 and the small GTPase Rab5	Excellence Programme of IKY	2015-2017	Scientific Responsible
Thrombosis and Inflammation: The diagnostic and therapeutic significance of the secretory mechanism of endothelial cells	Epirus Region Operational Programme "New Knowledge"	2013-2015	Scientific Responsible
The role of VEGFR2 compartmentalization in VEGF signalling	Heraklitos II program, Greek Ministry of Education	2010-2013	Scientific Responsible
PULMONARY HYPERTENSION: Functional Genomics and Therapy of Lung Vascular Remodelling. Pulmotension	Integrated Project, FP6-2004-LIFESCIHEALTH-5, EU 6th Framework Programme	2006-2010	Member
Tracking the Endocytic Routes of Polypeptide Growth Factor Receptor Complexes and their Modulatory Role on Signalling. Endotrack	Integrated Project, FP6-2004-LIFESCIHEALTH-5, EU 6th Framework Programme	2006-2010	Member
The role of endocytosis and secretion in the antithrombotic function of EC	EMBO Young Investigator Program	2002-2005	Scientific Responsible
Signal transduction and intracellular membrane trafficking in endothelial cells	General Secretary of Research and Technology Hellas, PENED	2002-2005	Member
Endothelial cell-defence against platelet aggregation	Marie Curie Individual Return grant, EU	2000-2001	Scientific Responsible

Granted patents

1. "A new assay to detect substances useful for the therapy of cancer and infectious diseases." 2001, EP99118385.6 (filled European Patent Application)
2. "Assay to detect substances useful for therapy". United States Letters Patent, Serial No 10/088,549, and Canadian Intellectual Property Office, CA 2384306, C12Q 1/44 (2006.01), 22/03/2001.
3. “Method of preparation and use of phosphoinositide 3-kinase inhibitors for cancerous diseases”, 23.08.2019, PCT/EP2019/072648, European Patent Office

Invited presentations to international conferences and/or advanced schools

since 2001: Invited speaker in 12 National and 10 International meetings.

Selected invitations are listed below:

1. "Molecular mechanisms of intracellular vesicular transport in the endocytic pathway." Hellenic Biochemical and Biophysical Society Meeting, Athens, Greece, December, 2001.
2. "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, USA, 15 - 20 September, 2002
3. "The thromboregulatory role of endothelial cells" EMBO Young Investigator meeting, Heidelberg, Germany, 10-12 April 2002.
4. "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, Greece, October 31-Nov 4, 2005.
5. "Interconnections between signal transduction, exocytosis and endocytosis in endothelial cells", 1st Molecular Oncology & Targeted Therapy Training Seminar for Clinical Oncologists, Metsovo, Greece, March 30 - April 1, 2007
6. "Signalling and trafficking in endothelial cells" EMBO Young Investigator meeting, Istanbul, Turkey, 13-15 May 2009.
7. "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, France, 25-27 May, 2011.
8. "Interrelationship between trafficking and signaling of VEGFR2 in endothelial cells" EMBO Young Investigator sectorial meeting, Cancer meeting, London UK, July 11-12, 2011.
9. "Coordination between exocytosis, endocytosis and signaling." 62nd Conference of the Hellenic Society of Biochemistry and Molecular Biology, Athens, Greece, December 9-11, 2011.
10. "Endocytosis and Exocytosis in Vascular Biology and de novo Differentiation of the Endothelial Lineage" MOBI4Health Meeting and Conference Bioinnovation & ScanBalt Forum 2013 Gdańsk, Poland, 16-18 October 2013.
11. "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
12. "Role of vesicular transport in blood vessel formation" EMBO Young Investigator sectorial meeting in tissue morphogenesis, Dresden, Germany, 7-9 Feb, 2016.
13. "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, Greece, March 1-3, 2016
14. "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, Greece
15. "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, Greece, May 4th, 2022

Organization of international conferences

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

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

Prizes/Awards/Academy memberships

2022 Elected Director of the Biomedical Research Institute (BRI) at Ioannina, Foundation for Research and Technology (FORTH), Ioannina, Greece

2022 Member of the Board of Directors of FORTH, Greece

2019-2022 Invited member of the Board of Directors of FORTH, as Head of the Division of Biomedical Research at Ioannina, of the Institute of Molecular Biology and Biotechnology (IMBB), Foundation for Research and Technology Hellas (FORTH), Greece

- 2019** **1st Award** to the PhD student of our group K. Galanopoulou, for the research and poster “The cytoplasmic Acetoacetyl CoA Thiolase (ACAT2), a novel Rab5 effector, regulates endocytic membrane transport” 70th HSBMB Annual Conference, 29.11-01.12, 2019, Athens
- 2018** **1st Award** to the PhD student of our group Evangelia Goula, for the research and poster presentation "Unconventional secretion in endothelial cells: Cytoplasmic galectin-1 enters Weibel-Palade bodies", 69th HSBMB meeting, Larisa, Greece, 23-25 Nov, 2018
- 2016-2020** Member of the Scientific Council of IMBB & BRI/FORTH, Greece
- 2016** **1st Award** to PhD student of our group Dimitris Basagiannis, for the research and oral presentation "Endocytic routes in control of VEGFR2 function: Protection of the receptor and regulation of signaling", 67th HSBMB meeting, Ioannina, Greece, 25-27 Nov, 2016
- 2002-2005:** [EMBO Young Investigator award \(http://www.embo.org/programmes/yip.html\)](http://www.embo.org/programmes/yip.html)
- 2000-2001:** Return grant, **Marie Curie** individual fellowship, EU. **1986-1990:** **State scholar** for excellence in undergraduate studies, **IKY**, rank: 2nd.
- 1999-2000:** Post-doctoral Research Fellow of the Max-Planck Institute, Dresden, Germany **1990:** **Benaki-Prize** for undergraduate studies, Greece
- 1997-1999:** Post-doctoral Research Fellow of the Training and Mobility of Researchers program of European Community (**Marie Curie TMR program**).
- 1993-1995:** Exceptional Graduate Scholar for PhD studies, **EMY**, Greece
- 1991-1993:** **G.Stavrou scholarship** for PhD studies, Greece

CONFERENCES/WORKSHOPS/etc

Publications in International meetings (posters or oral presentations): 44

Publications in National meetings (posters or oral presentations): 49

Invited speaker in 11 International and 11 national Meetings/Conferences

Listed below are selected participations (since 2016)

- 73rd HSBMB Annual Conference, “Unconventional protein secretion: cytoplasmic galectin-1 hijacks the exocytic organelles of endothelial cells.”, 1-3 Dec, 2023, Athens, Greece
- Workshop of the Hellenic Initiative Against Alzheimer's (HIAAD) "The role of brain vessels in Alzheimer's disease: Existing knowledge and new experimental approaches", 04.05.2022, Ioannina, Greece
- 72nd HSBMB Annual Conference, “Development of a novel in vitro assay for the identification of chemical inhibitors of the MYC/MAX protein complex”, 2-4 Dec, 2022, Patras, Greece
- Educational seminar in the Department of Medicine and MSc in Biomedical Sciences, "The role of intracellular vesicle transport in signal transduction", University of Patras, 2022, Patras, Greece
- 70th HSBMB Annual Conference, “The cytoplasmic Acetoacetyl CoA Thiolase (ACAT2), a novel Rab5 effector, regulates endocytic membrane transport” 29.11-01.12, 2019, Athens, Greece (1st poster award to PhD student K. Galanopoulou)
- 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
- 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)
- 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
- 69th HSBMB meeting, "Development and validation of specific inhibitors against the PI3K α E545K oncogenic mutant", 23-25 Nov, 2018, Larisa, Greece

<ul style="list-style-type: none"> 13th Training Seminar of Molecular Oncology & Targeted Therapy, "Oncogenic Mutations of Phosphoinositide-3-Kinase in Breast and Colon Cancers: Development of Targeted Anticancer Drugs" 29 & 30 March 2018, Ioannina, Greece
<ul style="list-style-type: none"> 68th HSBMB meeting, "Lingering-kiss regulated exocytosis as a possible mechanism that explains the presence of Galectin-1 in Weibel Palade Bodies", 13-14 Oct, 2017, Athens, Greece
<ul style="list-style-type: none"> 68th HSBMB meeting, "Spatiotemporal organization of RabGTPases in stimulated exocytosis in endothelial cells", 13-14 Oct, 2017, Athens, Greece
<ul style="list-style-type: none"> 67th HSBMB meeting, "Endocytic routes in control of VEGFR2 function: Protection of the receptor and regulation of signaling", 25-27 Nov, 2016 Ioannina, Greece (1st award to PhD student D. Basagiannis for oral presentation).
<ul style="list-style-type: none"> 67th HSBMB meeting, "The cytoplasmic Acetoacetyl CoA Thiolase (ACAT2) interacts with the GDP-form of Rab5 and regulates endocytic membrane transport", 25-27 Nov, 2016 Ioannina, Greece (1st award to PhD student D. Basagiannis for oral presentation).
<ul style="list-style-type: none"> 67th HSBMB meeting, "Mapping of the endocytic pathways of VEGFR2 in human stem cells and in the different developmental stages towards the endothelial lineage", 25-27 Nov, 2016 Ioannina, Greece (1st award to PhD student D. Basagiannis for oral presentation).
<ul style="list-style-type: none"> Educational seminar in the Open Educational Program "Molecular Medicine" of the Department of Medicine, University of Thessaly, "Angiogenesis in cancer: The role of VEGF receptor endocytosis", April 21, 2016
<ul style="list-style-type: none"> MOBI4Health Conference, "Differentiation of human embryonic stem cells into endothelial cells and putative applications", 12-15 April 2016, Gdansk, Poland
<ul style="list-style-type: none"> European Network on Microvesicles and Exosomes in Health and Disease, Training course, "Role of vesicular transport in blood vessel physiology", March 1-3, 2016, Ioannina, Greece (invited talk)
<ul style="list-style-type: none"> EMBO Young Investigator sectorial meeting in tissue morphogenesis, "Role of vesicular transport in blood vessel formation" 7-9 Feb, 2016, Dresden, Germany (invited speaker)

Peer review publications

Total No of publications: 36, Total No of citations: 4735 in Scopus, 4660 without self citations, **citations per article:129**, Total impact factor: 418, **mean impact factor: 11.6**, h-index:24
(complete list of publications: [Pubmed/christoforidis](#))

Selected publications:

- "The Rab5 effector FERRY links early endosomes with with mRNA localization" Schuhmacher J, Dieck S, [Christoforidis S](#), Landerer C, Hersemann L, Seifert S, Giner A, Toth-Petroczy A, Kalaidzidis Y, Schuman E, Zerial M. **Mol Cell** (2023) Jun 1;83(11):1839-1855.e13. doi: [10.1016/j.molcel.2023.05.012](https://doi.org/10.1016/j.molcel.2023.05.012).
- "The orchestrated signaling by PI3K α and PTEN at the membrane interface" Kotzampasi DM*, Premeti K*, Papafotika A*, Syropoulou V, [Christoforidis S](#)#, Cournia Z#, Leondaritis G#, **Computational and Structural Biotechnology Journal** (2022), doi: <https://doi.org/10.1016/j.csbj.2022.10.007>
*Equal contribution authors, #**Equal corresponding authors**
- "Chemical Inhibitors of Dynamin Exert Differential Effects in VEGF Signaling" Basagiannis D, Zografou S, Goula E, Gkeka D, Kolettas E, [Christoforidis S](#). **Cells**. 2021 Apr 23;10(5):997. doi: 10.3390/cells10050997. <https://pubmed.ncbi.nlm.nih.gov/33922806/>
- "Dynasore impairs VEGFR2 signalling in an endocytosis-independent manner." Basagiannis, D., Zografou, S., Galanopoulou, K. and [Christoforidis, S](#). **Sci Rep** 7: 45035. (2017). 10.1038/srep45035 <https://www.ncbi.nlm.nih.gov/pubmed/28327657>
- "The AP-2 complex has a specialized clathrin-independent role in apical endocytosis and polar growth in fungi." Martzoukou, O., Amillis, S., Zervakou, A., [Christoforidis, S](#). and Diallinas, G. **Elife** 6. (2017). 10.7554/eLife.20083 <https://www.ncbi.nlm.nih.gov/pubmed/28220754>

- "Constitutive Endocytosis of VEGFR2 Protects the Receptor against Shedding." Basagiannis, D. and Christoforidis, S. **J Biol Chem** 291(32): 16892-16903. (2016). 10.1074/jbc.M116.730309 <https://www.ncbi.nlm.nih.gov/pubmed/27298320>
- "VEGF induces signalling and angiogenesis by directing VEGFR2 internalisation through macropinocytosis." Basagiannis, D., Zografou, S., Murphy, C., Fotsis, T., Morbidelli, L., Ziche, M., Bleck, C., Mercer, J. and Christoforidis, S. **J Cell Sci** 129(21): 4091-4104. (2016). 10.1242/jcs.188219 <https://www.ncbi.nlm.nih.gov/pubmed/27656109>
- "Proteome Changes during Transition from Human Embryonic to Vascular Progenitor Cells." Tsohis, K.C., Bagli, E., Kanaki, K., Zografou, S., Carpentier, S., Bei, E.S., Christoforidis, S., Zervakis, M., Murphy, C., Fotsis, T. and Economou, A. **J Proteome Res** 15(6): 1995-2007. (2016). 10.1021/acs.jproteome.6b00180 <https://www.ncbi.nlm.nih.gov/pubmed/27146950>
- "Investigating the structure and dynamics of the PIK3CA wild-type and H1047R oncogenic mutant." Gkeka, P., Evangelidis, T., Pavlaki, M., Lazani, V., Christoforidis, S., Agianian, B. and Cournia, Z. **PLoS Comput Biol** 10(10): e1003895. (2014). 10.1371/journal.pcbi.1003895 <https://www.ncbi.nlm.nih.gov/pubmed/25340423>
- "A complete Rab screening reveals novel insights in Weibel-Palade body exocytosis." Zografou, S., Basagiannis, D., Papafotika, A., Shirakawa, R., Horiuchi, H., Auerbach, D., Fukuda, M. and Christoforidis, S. **J Cell Sci** 125(Pt 20): 4780-4790. (2012). 10.1242/jcs.104174 <https://www.ncbi.nlm.nih.gov/pubmed/22899725>
- "CD39 reveals novel insights into the role of transmembrane domains in protein processing, apical targeting and activity." Papanikolaou, A., Papafotika, A. and Christoforidis, S. **Traffic** 12(9): 1148-1165. (2011). 10.1111/j.1600-0854.2011.01224.x <https://www.ncbi.nlm.nih.gov/pubmed/21711430>
- "Cholesterol-dependent lipid assemblies regulate the activity of the ecto-nucleotidase CD39." Papanikolaou, A., Papafotika, A., Murphy, C., Papamarcaki, T., Tsohis, O., Drab, M., Kurzchalia, T.V., Kasper, M. and Christoforidis, S. **J Biol Chem** 280(28): 26406-26414. (2005). 10.1074/jbc.M413927200 <https://www.ncbi.nlm.nih.gov/pubmed/15890655>
- "An enzymatic cascade of Rab5 effectors regulates phosphoinositide turnover in the endocytic pathway." Shin, H.W., Hayashi, M., Christoforidis, S., Lacas-Gervais, S., Hoepfner, S., Wenk, M.R., Modregger, J., Uttenweiler-Joseph, S., Wilm, M., Nystuen, A., Frankel, W.N., Solimena, M., De Camilli, P. and Zerial, M. **J Cell Biol** 170(4): 607-618. (2005). 10.1083/jcb.200505128 <https://www.ncbi.nlm.nih.gov/pubmed/16103228>
- "APPL proteins link Rab5 to nuclear signal transduction via an endosomal compartment." Miaczynska, M., Christoforidis, S., Giner, A., Shevchenko, A., Uttenweiler-Joseph, S., Habermann, B., Wilm, M., Parton, R.G. and Zerial, M. **Cell** 116(3): 445-456. (2004). 10.1016/s0092-8674(04)00117-5 <https://www.ncbi.nlm.nih.gov/pubmed/15016378>
- "The Rab5 effector Rabankyrin-5 regulates and coordinates different endocytic mechanisms." Schnatwinkel, C., Christoforidis, S., Lindsay, M.R., Uttenweiler-Joseph, S., Wilm, M., Parton, R.G. and Zerial, M. **PLoS Biol** 2(9): E261. (2004). 10.1371/journal.pbio.0020261 <https://www.ncbi.nlm.nih.gov/pubmed/15328530>
- "Purification of EEA1 from bovine brain cytosol using Rab5 affinity chromatography and activity assays." Christoforidis, S. and Zerial, M. **Methods Enzymol** 329: 120-132. (2001). 10.1016/s0076-6879(01)29073-9 <https://www.ncbi.nlm.nih.gov/pubmed/11210528>
- "Automated de novo sequencing of proteins using the differential scanning technique." Uttenweiler-Joseph, S., Neubauer, G., Christoforidis, S., Zerial, M. and Wilm, M. **Proteomics** 1(5): 668-682. (2001). 10.1002/1615-9861(200104)1:5<668::AID-PROT668>3.0.CO;2-S <https://www.ncbi.nlm.nih.gov/pubmed/11678036>
- "Purification and identification of novel Rab effectors using affinity chromatography." Christoforidis, S. and Zerial, M. **Methods** 20(4): 403-410. (2000). 10.1006/meth.2000.0953 <https://www.ncbi.nlm.nih.gov/pubmed/10720461>

- "The Eps8 protein coordinates EGF receptor signalling through Rac and trafficking through Rab5." Lanzetti, L., Rybin, V., Malabarba, M.G., Christoforidis, S., Scita, G., Zerial, M. and Di Fiore, P.P. **Nature** 408(6810): 374-377. (2000). 10.1038/35042605 <https://www.ncbi.nlm.nih.gov/pubmed/11099046>
- "Rabenosyn-5, a novel Rab5 effector, is complexed with hVPS45 and recruited to endosomes through a FYVE finger domain." Nielsen, E., Christoforidis, S., Uttenweiler-Joseph, S., Miaczynska, M., Dewitte, F., Wilm, M., Hoflack, B. and Zerial, M. **J Cell Biol** 151(3): 601-612. (2000). 10.1083/jcb.151.3.601 <https://www.ncbi.nlm.nih.gov/pubmed/11062261>
- "The Rab5 effector EEA1 is a core component of endosome docking." Christoforidis, S., McBride, H.M., Burgoyne, R.D. and Zerial, M. **Nature** 397(6720): 621-625. (1999). 10.1038/17618 <https://www.ncbi.nlm.nih.gov/pubmed/10050856>
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