Savvas Christoforidis/CV, 2019

Current Position: • *Associate Member/Group Leader and Director* of the Biomedical Research Division, Institute of Molecular Biology & Biotechnology, Foundation of Research & Technology, Ioannina, Greece
• *Professor of Biological Chemistry*, Laboratory of Biological Chemistry, Department of Medicine, Faculty of Health Sciences, University of Ioannina, Greece, and

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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 in the University of Ioannina in 1996 and then moved to EMBL/Heidelberg/Germany for Post-doctoral studies in the field of Cell and Molecular Biology (group of Marino Zerial). Since 2001, he is appointed in the University of Ioannina (where he is currently Professor of Biological Chemistry) and affiliated member and director of the division of Biomedical Research of IMBB/FORTH at Ioannina (http://www.imbb.forth.gr/en/research-en/biomedical-research), where his group is located. In 2002, Savvas Christoforidis received the **EMBO Young Investigator** award (http://www.embo.org/programmes/yip.html). He has participated in 25 successful grant applications, in 11 of which he was the scientific responsible. Three of the grants that his lab received are European Research grants, i.e. a Marie Curie Individual Return grant (2000-2001) and two European Integrated Projects ("Endotrack" and "Pulmotension", 2006-2010). His work has been published in high impact Journals, such as Nature, Nature Cell Biology, Cell, Journal of Cell Biology, PLoS Biology, EMBO Journal, Journal of Cell Science, and has received over 3700 citations (in Scopus, excluding self-citations).

Education, Post-doctoral research, Professional Experience

1986-1990: **Ptychion** (BSc) in Chemistry, Univ of Thessaloniki, 1990, *Suma cum laude*, grade 8.93/10.00
1990-1995: **PhD Thesis**, Laboratory of Biological Chemistry, Medical School, University of Ioannina
1996-1997: Army service
1997-2000: **Post-doctoral** study under **Marie Curie** TMR fellowship, EMBL, Dept of Cell Biology, Heidelberg, Germany
2000-2001: **Marie Curie** individual Researcher/EU, Return grant fellow, Laboratory of Biological Chemistry, Department of Medicine, University of Ioannina, Greece
2001-2005: Lecturer in Biological Chemistry, University of Ioannina, Greece
2005-2014: Assistant Professor of Biological Chemistry, University of Ioannina, Greece.
2014-2018: Associate Professor of Biological Chemistry, University of Ioannina, Greece.
2018- : Professor of Biological Chemistry, University of Ioannina, Greece.
2001-today: Associate Member/Group Leader and director, Biomedical Research Div., Institute of Molecular Biology & Biotechnology, Foundation of Research & Technology.

Prizes/Awards/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: Special Graduate Scholar for PhD studies, **EMY**, Greece
1997-1999: Post-doctoral Research Fellow of the Training and Mobility of Researchers program of European Community (**Marie Curie TMR program**).
1999-2000: Post-doctoral Research Fellow of the Max-Planck Institute, Dresden, Germany
2000-2001: Return grant, **Marie Curie** individual fellowship, EU.
2001-2007: Member of the general assembly of the Undergraduate Program "Biochemistry" of the University of Ioannina
2001- : **Collaborating Professor** in the Institute of Molecular Biology and Biotechnology, Division of Biomedical Research/Ioannina, Foundation for Research and Technology
2001- : **Invited speaker** in 8 National and 9 International meetings.

2001- : **Reviewer** of International Scientific Journals: EMBO, EMBO Reports, Proceedings of the National Academy of Sciences of the United States of America (PNAS), Journal of Cell Science, Biochemical Pharmacology, Biochemical Journal, Experimental Cell Research, Purinergic Signalling

2001- : **Reviewer** of EMBO long term and short term fellowships, ELIDEK PhD student fellowships, IMBB/ITE Archers fellowships

2001- : **Reviewer** of National and International grant applications (Fondation pour la Recherche Medicale, France; Portuguese Foundation for Science and Technology, FCT; Vidi program, Innovational Research Incentive Scheme, The Netherlands; Heraklitos Program, Greek Ministry of Education; Program for the Support of Researchers with emphasis on Young Researchers, code ΕΔΒΜ34, "Development of Human Resources, Education and Lifelong Learning", NSRF 2014-2020.

2001- : **Member in 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.

2001- : **Member in Doctoral Dissertation Examining Committees** in 35 concluded Doctoral Theses

2001- : Member of the Examining Committee in 16 concluded Master Theses.

2001- : **Member of the general assembly** of the departmental Master's Program "Biotechnology", co-organized by the departments of Medicine and Chemistry, of the University of Ioannina

2002-2005: **EMBO Young Investigator award** (http://www.embo.org/programmes/yip.html)

2002-2006: Member of the general assembly of the Department of Medicine, School of Health Sciences, University of Ioannina

2013-2017: Member of the **scientific advisor committee** of the MOBI4HEALTH Network, FP7-REGPOT, "Molecular Biotechnology solutions bringing health to living organisms and environment supported by mass spec-focused research platform uncovering cellular functions of molecules", Gdansk, Polland

2015-2017: **Member of the Internal Evaluation Group** (OMEA) of the Department of Medicine, University of 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

2016 : **Award to** Basagiannis D., PhD student of our group, 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

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

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.

2017- : **Member of the Curriculum Committee** of the Department of Medicine, University of Ioannina

2017- : Member of the Committee for drafting the new regulations for Doctoral Theses in the Department of Medicine, University of Ioannina

2018 : **1st Award to** Goula E., PhD student of our group, 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

Teaching and supervision (2001-today)

- Participation in teaching the courses of Biochemistry in the Medical School
- Participation in teaching Molecular Cell Biology in the Interdepartmental Master's Program of Biotechnology
- Supervisor of five concluded and three ongoing PhD Theses
- Member of the supervisory committee of 11 concluded and 9 ongoing PhD Theses
- Supervisor of seven concluded and one ongoing Master's Theses
- Supervisor of six concluded and two on-going under-graduate diploma Theses
- Member of the Examining Committee in 35 concluded Doctoral Theses
- Member of the Examining Committee in 16 concluded Master Theses

Books: Participated in the translation (from English to Greek) of the following text books:
-Genes VIII, Benjamin Lewin, 8th ed, 2004
-The Cell: A molecular approach, Cooper and Hausman, 6th ed, 2013
-Lippincott's Illustrated Reviews: Biochemistrty, 6th ed, 2014
-Molecular Cell Biology, Lodish H. et al., 8th edition, 2016

Research interests

Our group studies the role of membrane trafficking in signaling and vascular remodeling. More specifically, we are studying the role of endocytosis of growth factor receptors in signal transduction, the mechanisms regulating exocytosis in endothelial cells and their role in vascular physiology. Furthermore, we aim to understand the role of endocytosis and secretion in self-renewal of stem cells as well as on their differentiation towards the vascular lineages. Our long term aim is to understand the mechanisms that are responsible for the interplay between endocytosis, exocytosis and signalling in vascular remodelling. Ultimately, the findings of our studies will contribute to the design of more effective therapeutic approaches in vascular diseases. (for more information: **http://www.imbb.forth.gr/imbb-people/index.php/en/christoforidis-laboratory)**

Members of the lab (http://www.imbb.forth.gr/imbb-people/en/members-christoforidis)

- **Current:** 2 Post-doctoral fellows, 3 PhD students, 1 Master's student, 2 undergraduate students
- **Alumni:** 4 PhD students, 6 Master's Students, 6 undergraduate students

Funding

(In total, *25 grants; Scientific responsible in 11 grants, participant in 14 grants, total funding for the group: 1,425,110 Euro; Number of currently running grants: 4)*

2000-2001 Marie Curie Individual Return grant. "Endothelial cell-defense against platelet aggregation" (Contract No HPMF-CT-1999-00360, 51,600 Euro (scientific responsible)

2002-2003 Research committee, University of Ioannina, "Molecular mechanisms controlling the anti-thrombotic properties of ATP diphosphohydrolase, 5,870 Euro. (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 Euro for our team. (participant)

2002-2005 EMBO Young Investigator award. «The role of endocytosis and secretion in the antithrombotic function of EC.», 55,000 Euro (scientific responsible)

2004-2005 Human Networks R&D training GSRT (2003-2005). «Applications of light microscopy methods in Biomedical Research and Diagnosis" 180,000 Euro (37.153 Euro for the University of Ioannina, 3,715 Euro for our team). (participant).

2005-2006 Pythagoras II program. «Plasma membrane and signal transduction: The role of lipid microdomains» 50,000 Euro, 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 Euro, 66,360 for our team. (Participant)

2006-2010 «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, Contract No LSHG-CT-2006-019050, 702,363 Euro, 234,121 for our team. (Participant)

2006-2010 «PULMONARY HYPERTENSION: Functional Genomics and Therapy of Lung Vascular Remodelling. Pulmotension» Integrated Project, FP6-2004-LIFESCIHEALTH-5, EU 6th Framework Programme LIFESCIHEALTH, Contract No LSHM-CT-2006-018725, 322,078 Euro, 107,359 for our team. (Co-applicant and scientific responsible for the group of teams of Ioannina)

2010-2013 «The role of VEGFR2 compartmentalization in VEGF signalling» Heraklitos II program, Greek Ministry of Education, 45,000 Euro. (Scientific responsible)

2011-2014 «PIK3CA Oncogenic Mutations in Breast and Colon Cancers: Development of Targeted Anticancer Drugs and Diagnostics» (NSRF 2014-2020), Cooperation, Large Scale Cooperative Projects, 189,000 Euro for the teams in Ioannina, 63,000 Euro for our team (participant)

2011-2014 "Mechanisms of Induced Pluripotency: From transcriptional noise to stem cell therapies" (NSRF 2014-2020), Cooperation, Large Scale Cooperative Projects, 635,000 Euro for the teams in Ioannina, 75,000 Euro 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 Euro for our team (participant)

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

2013-2015 "Basic mechanisms of differentiation of stem cells", GSRT, Ministry of Education and Religions, Kripis Program, 45,000 Euro 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 Euro. (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 Euro (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 Euro, 25,704 Euro 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 Euro, 45,000 Euro 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 Euro (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 Euro (Scientific responsible of the PhD student)

2017-2019 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 Euro (Scientific responsible)

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 Euro (Responsible for the Ioannina team)

2018-2020 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 Euro, Budget for Ioannina: 42,500 Euro (participant)

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 Euro (Scientific responsible of the PhD student)

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 Number 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”, Zoe Cournia, Anna Kapela, Savvas Christoforidis, Elias Couladouros, Argiris Efstratiadis (Pending application, 2018)

Publications in National meetings (posters or oral presentations): 37

Publications in International meetings (posters or oral presentations): 41 (since 2001: Invited speaker in 8 National and 9 International meetings.

Peer-reviewed publications

(total number of citations: 5204 in Google Scholar, 3823 in Scopus, 3766 without self citations; total impact factor: 301,362)

1. Basagiannis D, Zografou S, Galanopoulou K, **Christoforidis S.** (2017) Dynasore impairs VEGFR2 signalling in an endocytosis-independent manner. **Sci Rep.** (Nature Journals Group) 2017 Mar 22;7:45035. doi: 10.1038/srep45035.
2. 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.
3. 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.
4. 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.
5. 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
6. Basagiannis D, **Christoforidis S.** (2016) Constitutive Endocytosis of VEGFR2 Protects the Receptor against Shedding. **J Biol Chem.** 291, 16892-903
7. 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.
8. 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.
9. 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
10. Gkeka P, Papafotika A, **Christoforidis S**, and Cournia Z (2014) Exploring a non-ATP pocket for potential allosteric modulation of PI3Kα. **J Phys Chem B**, 119(3), 1002-1016
11. Zografou S, Basagiannis D, Papafotika A, Shirakawa R, Horiuchi H, Auerbach D, Fukuda M, and **Christoforidis S** (2012) A complete Rab screening reveals novel insights in Weibel-Palade body exocytosis. **J Cell Sci,** 125, 4780-4790
12. Sfikas A, Batsi C, Tselikou E, Vartholomatos G, Monokrousos N, Pappas P, **Christoforidis S**, Tzavaras T, Kanavaros P, Gorgoulis VG, Marcu KB, and Kolettas E (2012) The canonical NF-κB pathway differentially protects normal and human tumor cells from ROS-induced DNA damage. **Cell Signal,** Nov;24(11):2007-23
13. Papanikolaou A, Papafotika A, and **Christoforidis S**, (2011) CD39 reveals novel insights into the role of transmembrane domains in protein processing, apical targeting and activity. **Traffic**, 12(9):1148-1165
14. Boleti H, Smirlis D, Dalagiorgou G, Meurs EF, **Christoforidis S**, and Mavromara P, (2010) ER targeting and retention of the HCV NS4B protein relies on the concerted action of multiple structural features including its transmembrane domains. **Mol Membr Biol,** 27(1):45-62
15. Batsi C, Markopoulou S, Kontargiris E, Charalambous C, Thomas C, **Christoforidis S**, Kanavaros P, Constantinou AI, Marcu KB, and Kolettas, E (2009) Bcl-2 blocks 2-methoxyestradiol induced leukemia cell apoptosis by a p27Kip1-dependent G1/S cell cycle arrest in conjunction with NF-kB activation. **Biochem Pharmacol**, 78(1):33-44
16. Shin HW, Hayashi M, **Christoforidis S**, Lacas-Gervais S, Hoepfner S, Wenk MR, Modregger J, Uttenweiler-Joseph S, Wilm M, Nystuen A, Frankel WN, Solimena M, De Camilli P, and Zerial M (2005) An enzymatic cascade of Rab5 effectors regulates phosphoinositide turnover in the endocytic pathway. **J Cell Biol,** 170(4):607-18

17. Papanikolaou A, Papafotika A, Murphy C, Papamarcaki T, Tsolas O, Drab M, Kurzchalia TV, Kasper M, and **Christoforidis S** (2005) Cholesterol-dependent lipid assemblies regulate the activity of the ecto-nucleotidase CD39. **J Biol Chem**, 280(28):26406-14

18. Karetsou Z, Martic G, Tavoulari S, **Christoforidis S**, Wilm M, Gruss C, Papamarcaki T (2004) Prothymosin alpha associates with the oncoprotein SET and is involved in chromatin decondensation. **FEBS Lett,** 577, 496-500

19. Schnatwinkel C, **Christoforidis S**, Lindsay MR, Uttenweiler-Joseph S, Wilm M, Parton RG, and Zerial M (2004) The rab5 effector rabankyrin-5 regulates and coordinates different endocytic mechanisms. **PLoS Biol,** 2, 1363-1380

20. Miaczynska M, **Christoforidis S**, Giner A, Shevchenko A, Uttenweiler-Joseph S, Habermann B, Wilm M, Parton RG, and Zerial, M (2004) APPL proteins link Rab5 to nuclear signal transduction via an endosomal compartment. **Cell,** 116, 445-56

21. Doulias PT, **Christoforidis S**, Brunk UT, and Galaris D (2003) Endosomal and lysosomal effects of desferrioxamine: protection of HeLa cells from hydrogen peroxide-induced DNA damage and induction of cell-cycle arrest. **Free Radic Biol Med,** 35, 719-728

22. Uttenweiler-Joseph S, Neubauer G, **Christoforidis S**, Zerial M, and Wilm M (2001) Automated de novo sequencing of proteins using the differential scanning technique. **Proteomics,** 1(5), 668-82

23. **Christoforidis S**, and Zerial M (2001) Purification of EEA1 from bovine brain cytosol using a Rab5 affinity chromatography and functional test in an *in vitro* endosome fusion assay. **Methods Enzymol,** 329,120-132

24. Lanzetti L, Rybin V, Malabarba MG, **Christoforidis S**, Scita G, Zerial M, and Di Fiore PP (2000) The EPS8 protein coordinates EGF receptor signaling through Rac and trafficking through Rab5. **Nature,** 408, 374-377

25. Nielsen E, **Christoforidis S**, Uttenweiler-Joseph S, Giner A, Wilm M, Hoflack B, and Zerial M (2000) Rabenosyn-5, a novel Rab5 effector, is complexed with hVPS45 and recruited to endosomes through a FYVE finger domain. **J Cell Biol,** 151, 601-612

26. **Christoforidis S**, and Zerial M (2000) Purification and Identification of Novel Rab Effectors using Affinity Chromatography. **Methods**, 20, 403-410

27. **Christoforidis, S**, Miaczynska, M, Ashman, K, Wilm, M, Zhao, L, Yip, A-C, Waterfield, MD, Backer, JM, and Zerial, M (1999) Phosphoinositide-3-Kinases are Rab5 effectors. **Nature Cell Biol**, 1, 249-252

28. **Christoforidis S**, McBride H, Burgoyne R and Zerial M (1999) The Rab5 effector EEA1 is a core component of endosome docking. **Nature,** 397, 621-627

29. Simonsen A, Lippe R, **Christoforidis S**, Gaullier JM, Brech A, Callaghan J, Toh BH, Murphy C, Zerial M, and Stenmark H (1998) EEA1 links PI(3)K function to Rab5 regulation of endosome fusion. **Nature,** 394, 494-498

30. Vitale G, Rybin V, **Christoforidis S**, Thornqvist P, McCaffrey M, Stenmark H, and Zerial M (1998) Distinct Rab-binding domains mediate the interaction of Rabaptin-5 with GTP-bound rab4 and rab5. **EMBO J,** 17, 1941-1951

31. **Christoforidis S**, Papamarcaki T, and Tsolas O (1996) Human placental ATP diphosphohydrolase is a highly N-glycosylated plasma membrane enzyme. **Biochim Biophys Acta (Biomembranes),** 1282, 257-262

32. **Christoforidis S**, Papamarcaki T, Galaris D, Kellner R, and Tsolas O (1995) Purification and properties of human placental ATP diphosphohydrolase. **Eur J Biochem,** 234, 66-74

Summary of research activity (2001-2018)

Total number of peer reviewed publications	**32**
Total number of citations	• **google scholar: 5204** • **Scopus: 3823 (3766 without self citations)**
Mean number of citations per article	• **google scholar: 162** • **Scopus: 119 (117 without self citations)**
Total impact factor (Thomson Reuters 2017)	**301.362**
Mean impact factor per article	**9.418**

h factor	• **google scholar: 19** • **Scopus: 19**
Number of grants	**Total: 25 (as participant: 14, as coordinator: 11)**
Total funding for the group (Euro)	**1,425,110 Euro**