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| Curriculum Vitae |
| Carol Murphy Researcher B', Biomedical Research Institute, Foundation for Research & Technology Hellas (BRI-FORTH), Ioannina, Greece |
| Tel: +30 26510 07815, 2811 392164 E-mail: carol_murphy@bri.forth.gr https://www.bri.forth.gr/en/research/Carol-Murphy.9/ |
| Positions & Employment |
| 2021- : Researcher A'. Director of Research at BRI-FORTH, Ioannina, Greece |
| 2003-2021: Researcher B' at BRI-FORTH, Ioannina, Greece |
| 2015-2017: Senior lecturer, School of Biosciences, University of Birmingham, UK |
| 2001-2003: Researcher C' at BRI-FORTH, Ioannina, Greece |
| 1997-2001: Researcher in Depart. Biol. Chem., University of Ioannina, Medical School |
| 1996-1997: EU Senior Researcher award for research in University of Ioannina |
| 1993-1996: Postdoctoral researcher at EMBL in the lab of Marino Zerial |
| 1989-1993: Postdoctoral researcher at EMBL in the lab of Ulrich Ruther |
| 1987-1989: Postdoctoral researcher with Frank Gannon, University of Galway, Ireland |
| Education |
| 1983-1987: Ph.D. in Pharmacology, University College Dublin, Ireland. |
| 1978-1982: B.Sc. Pharmacology, University College Dublin, Ireland |
| Administration |
| Establishment of confocal microscopy facility at UOI/ BRI-FORTH, Greece (2001) |
| Establishment of super-resolution microscopy at BRI-FORTH, Greece (2010-2018). |
| Establishment of hESC and hiPSC unit in BRI-FORTH, Ioannina, Greece (2010- present) |
| Establishment of hESC and hiPSC unit in University of Birmingham (UoB), UK (2015-2017) |
| Interdepartmental Committee Member of the Masters in Mol Cell Biol & Biotech, University of Ioannina (2018-2021) |
| Member of Bioimaging Greece (2017-present) |
| Director of Birmingham Light Microscopy Facility, UoB, UK (2015-2017) |
| Imaging Lead for UoB, UK, IMPACT PhD studentship Program (2015-2017) |
| Lecturer and participating PI in The Wellcome Trust Doctoral Training, MIDAS (2015-2017) |
| Member and participating PI in COMPARE network (2015-2017) |
| Participating PI in "The Midlands Integrative Biosciences Training Partnership" (2015-2017) |
| Head of ESI committee of BRI, FORTH, Ioannina 2022-2025 |
| Reviewing Activities |
| Reviewer for many international scientific journals and on editorial board of Scientific Reports. |
| Reviewer for European Union funding 2019-present: |

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| Teaching Activities |
| 1997- present Supervisor of undergraduate, Masters and PhD theses in BRI-FORTH |
| 1997- present Supervisor of PhD students in Biotechnology, Interdepartmental postgraduate program (Medicine, Chemistry and Biological Applications and Technologies) |
| 2015-2017 Undergraduate & Postgraduate Biosciences teaching in University of Birmingham |

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| 2015-2017 Lecturer and participating PI in The Wellcome Trust Doctoral Training, MIDAS |
| 2015-2017 Undergraduate & Postgraduate Biosciences teaching in University of Birmingham: |
| 2015-2017 Lecturer and participating PI in The Wellcome Trust Doctoral Training, MIDAS |
| 2015- 2017 Supervisor of undergraduate, Masters & PhD theses University of Birmingham |
| 2015-present Teacher and Supervisor of Masters project students in the Master's Programme: Molecular Cell Biology and Biotechnology, UOI and BRI-FORTH, Ioannina. |
| 2017-present Vice Head of Stem Cell teaching of Master's Programme: Molecular Cell Biology and Biotechnology, UOI and BRI-FORTH, Ioannina. |
| 2024- Head of Stem Cell teaching of Master's Programme: Molecular Cell Biology and Biotechnology, UOI and BRI-FORTH, Ioannina. |
| 2022 -present External collaborator at European University Cyprus. |
| Research Grants |
| As Principal Investigator or work-package leader |
| 1996-1997 Senior researcher award from the EU: 54,500 ECU. |
| 2000-2002 FP5 ETN project. Membrane-cytoskeleton interactions in intracellular transport and cell morphogenesis. Coordinator: Marino Zerial. Responsible for the Ioannina group: C. Murphy. Total budget: 1.470.000 €. BRI-FORTH: 180,000 €. |
| 2004-2005 GSRT. Applications of light microscopy in biomedical research and diagnosis. Principal investigator: Ch. Boleti, Pasteur Institute, Athens. Responsible for the Ioannina group: C. Murphy. Total budget: 180,000 €. BRI-FORTH: 37,153 €. |
| 2006-2010 GRST PENED 2003/03ED688. Investigation of the role of Rho GTPases in the regulation of the genomic and non-genomic responses of cells to cytokines. Coordinator: C. Stournaras, University of Crete, Responsible for the Ioannina group: C. Murphy. Total budget: 180,000 €. BBRI-FORTH: 44, 625 € |
| 2006-2010 FP6. EndoTrack LSH-2004-1.1.5-2: Tracking the Endocytic Routes of Polypeptide Growth Factor Receptor Complexes and their Modulatory Role on Signalling (EndoTrack). Coordinator: Marino Zerial. Responsible in Ioannina: C. Murphy. Total budget: 10,864,508 €. BRI-FORTH 883,000 € |
| 2007-2013 NSRF. NoisePlus. Mechanisms of Induced Pluripotency:From Transcriptional Noise to Stem Cell Therapies. Coordinator: D. Thanos. Responsible in Ioannina: S. Georgatos. Work package C. Murphy: reprogramming human somatic cells to pluripotency. Total budget: 1.680.000 €. BRI-FORTH 444,500 €. Budget for C. Murphy: 80,000 €. |
| 2011-2015 NSRF. StemCycle. Stem Cycle Variations: Comparing the Stem Cell and Cancer Cell Life Cycles. Coordinator: Zoi Lygerou. Responsible in Ioannina: C. Murphy. Budget: 600.000 €. BRI-FORTH 88,500 €. |
| 2011-2015 NSRF. "Remodeling Diabetic and Ischemic Retinal Vasculature Using Progenitor Stem Cells". Acronym: ReVaReSC. Postdoctoral Researcher: Eleni Bagli. Host Institute: BRI-FORTH. Scientific Responsible: C. Murphy, T. Fotsis. Budget: 150.000 €. |
| 2015-2017: GSRT. Kripis I: Biology, Biophotonics, and Health: Modern technological approaches and applications in the field of Biology, Photonics and Health. Research program for the development of research institutes. Budget 6.000 €. |
| 2015-2017 University of Birmingham. Role of trafficking and signalling in stem cells. £100.000 |
| 2016-2017 The Centre of Membrane Proteins and Receptors (COMPARE) award: Elucidating Activin A/Receptor complex trafficking and signalling: Link to cell differentiation. £25,000. Contract Number: DLABGBI1270. |
| 2019-2021: Human Resource Development, Education and Lifetime Learning. ESPA 2014-2020 co-financing of Greece/European Union. Title: Creation of distinct types of Mural Cells by the differentiation of human pluripotent stem cells and their application in vascularised tissue constructs. Principal Investigator: C. Murphy; Budget 45,500 €. |

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| 2020-2023: Unified Action of State Aid for Technology Research Development and Innovation "RESEARCH - CREATE – INNOVATE. ESPA. Title: Development of novel therapeutic strategies against Parkinsons disease. Coordinator: G. Garinis. Responsible in Ioannina: Murphy/Gkogkas. Budget: 1.000.000 €. BRI-FORTH 200.000 € |
| 2022-2025: ELIDEK PhD student fellowship. Human retinal organoids as a model system to study retinal diseases. Proposal number: 06498. Budget 32,400 € |
| 2024-2026: ELIDEK Basic Research Financing Action. Title: Molecular Mechanisms of Vessel Morphogenesis – MorphoVess. Funding Source: Hellenic Foundation for Research and Innovation. Budget: Co-ordinator: Carol Murphy. Collaborating-PI Periklis Papadopoulos. Total budget 400,000E. |
| As key collaborator and/or CO-PI |
| 1996-1998 R&D funding from Bender+Co GMBH, Boehringer Ingelheim R+D Vienna. Title: Angiogenesis inhibitors. PI: T. Fotsis. Budget: 93910 €. |
| 1998-2001 EPET II, GSRT (97EKBAN2-1.1-20). Early inhibition of sepsis: Development of intervention methods in the molecular mechanism of signal transduction. Coordinator: C. Roussos, Assistant coordinator and principal investigator of the Ioannina team: T. Fotsis. Budget: 880.411 €. BRI-FORTH: 181, 951 €. |
| 2001-2004 FP5 - QLK1-2000-00266. The role of dietary phytoestrogens in the prevention of breast and prostate cancer. Coordinator: Ian Rowland. Principal investigator of the University of Ioannina team: T. Fotsis. Budget: 2.660.430 €. BRI-FORTH: 247,800 €. |
| 2001-2004 FP5 - QLG1-CT-2001-01032. Targeting of angiogenic TGFbeta signalling in cancer and cardiovascular diseases. Coordinator: T. Fotsis. Responsible for the Ioannina team: T. Fotsis. Budget: 1.571.728 €. BRI-FORTH: 284, 196 €. |
| 2003-2007 GSRT, PENED 2001/01EΔ585. Signal transduction and intracellular membrane trafficking in endothelial cell. Principal investigator: T. Fotsis. Budget: 132 062 €. |
| 2005-2008 Ministry of Education, Pythagoras II programme. The role of lipid rafts and caveolae in thrombosis and angiogenesis. Principal investigator: T. Fotsis. Budget: 50.000 €. |
| 2006-2010 FP6 LSHM-CT-2006-018725. Pulmotension. Pulmonary Hypertension: Functional Genomics and Therapy of Lung Vascular Remodelling. Coordinator: W. Seeger. Responsible in Ioannina: S. Christoforidis. Budget: 11.400.00 €. BRI-FORTH 360,068 € |
| 2007-2013 NSRF. “Education and Lifelong Learning” program “Supporting Postdoctoral Researchers”. Title: Bone Regeneration Using Keratin-Based Biomaterials And Mesenchymal Stem Cells. Scientific Responsible: T. Fotsis. Budget: 150.000 €. |
| 2012-2015 NSRF. AdiSC. Title: Role and Mechanisms of Asymmetric Cell Division in Stem Cell Differentiation. Coordinator: T. Fotsis. Budget: 600.000 €. BRI-FORTH: 200,000 €. |
| 2013-2015 NSRF: POM “PIK3CA Oncogenic Mutations in Breast and Colon Cancers: Development of Targeted Anticancer Drugs and Diagnostics”. Coordinator: A. Efstratiadis, GD-BRFAA. Responsible for Ioannina team: T. Fotsis. Budget:1.962.900 €. BRI-FORTH 189.000 € |
| 2018-2021 Integrated Environmental Management (2.1); Title: Promoting Silver tourism through valorization of MED-diet and wellbeing routes in the CBC area; Acronym: Silver wellbeing Funding Source: Hellenic Ministry of Finance and Development & Tourism; Type of Grant: PA 2014-2020/Interreg Greece-Italy/2. Budget: 891.999,12 €. Principal Investigator for BRI-FORTH: T. Fotsis; Budget for BRI-FORTH: 158.619,25 € |
| 2020-2022 FORTH SYNERGY GRANT. Title: Modelling neurological disorders using graphene-based neurovascular organoids derived from pluripotent human cells. Funding Source: FORTH Inter-Institutional Interdisciplinary award. Co-ordinator: C. Gkogkas, BRI-FORTH, Ioannina. Co-PIs: C. Murphy, BRI-FORTH, Ioannina and G. Deligeorgis, IESL, FORTH, Heraklion, Crete. Budget: 60,000 €. |

Publication record

Number of scientific publications **55**.

Total citations: **5513**.

H Factor 35.

ORCHID ID: 0000-0003-1353-8558.

<https://scholar.google.com/citations?hl=en&user=U0ioQy8AAAAJ>.

First author: 10 (including 1 co-first author)

Last author: 12 (including 2 co-last author)

Reviews: 4

Methods: 4

Books: 2

Commentary: 2

Research articles: 40

Vrettos E, Kyrkou S, Zoi V, Giannakopoulou M, Chatziathanasiadou M, Kanaki Z, Agalou A, Bistas V-P, Kougioumtzi A, Karampelas T, Diamantis D, **Murphy C**, Beis D, Klinakis A, Tamvakopoulos C, Kyristis A, Lexiou G, Tzakos A: A fluorescent gemcitabine prodrug that follows a nucleoside transporter-independent internalization and bears enhanced therapeutic efficacy with respect to gemcitabine. *Chemistry* 2024 Jun 28:e202401327. doi: 10.1002/chem.202401327.

<https://pubmed.ncbi.nlm.nih.gov/38941241/>

Karydis-Messinis A, Moschovas D, Markou M, Gkantzou E, Vasileiadis V, Tsirka K, Gioti C, Vasilopoulos KC, Bagli E, **Murphy C**, Salmas CE, Giannakas AE, Hatziloukas E, Stamatis H, Paipetis A, Karakassides MA, Avgeropoulos A, Zafeiropoulos NE: Development, physicochemical characterization and in vitro evaluation of chitosan-fish gelatin-glycerol hydrogel membranes for wound treatment applications. *Carbohydrate Polymer Technologies and Applications* 6 (2023) 100338.

<https://www.sciencedirect.com/science/article/pii/S2666893923000592>

Karydis-Messinis A, Moschovas D, Markou M, Tsirka K, Gioti C, Bagli E, **Murphy C**, Giannakas AE, Paitetis A, Karakassides MA, Avgeropoulos A, Salmas CE, Zafeiropoulos NE: Hydrogel Membranes from Chitosan-Fish Gelatin-Glycerol for Biomedical Applications: Chondroitin Sulfate Incorporation Effect in Membrane Properties. *Gels* 2023, 9, 844.

<https://doi.org/10.3390/gels9110844>.

Chalkiadaki K, Statoulla E, Markou M, Bellou S, Bagkli E, Fotsis T, **Murphy C**, Gkogkas C.: Translational control in neurovascular brain development. *R. Soc. Open Sci.* 8: 211088.

<https://doi.org/10.1098/rsos.211088>.

Kostopoulou N, Bellou S, Bagli E, Markou M, Kostaras E, Hyvönen M, Kalaidzidis Y, Angelos Papadopoulos A, Chalmantzi V, Kyrkou A, Panopoulou E, Fotsis T, **Murphy C**: Embryonic Stem Cells Are Devoid of Macropinocytosis, a Trafficking Pathway for Activin A in Differentiated Cells. *J. Cell Sci.* 2021 Jul 1;134(13):jcs246892. doi: 10.1242/jcs.246892. Epub 2021 Jul 12.

<https://pubmed.ncbi.nlm.nih.gov/34313314/>

Chalmantzi V, Simitzi C, Papadopoulos A, Bagli E, **Murphy C**, Stratakis E, Fotsis T: Culturing human pluripotent stem cells on micropatterned silicon surfaces. In: *Methods in Molecular Biology*. Springer, New York, NY. doi.org/10.1007/7651_2021_428. Dec. 2021.

Kougioumtzi A, Chatziathanasiadou M, Vrettos EI, Sayyad N, Sakka M, Stathopoulos P, Mantzaris MD, Ganai M, Karpoormath R, Vartholomatos G, Tsikaris V, Lazarides T, **Murphy C**, Tzakos AG: Development of novel GnRH and Tat⁴⁸⁻⁶⁰ based luminescent agents with enhanced cellular uptake and bioimaging properties. *Dalton Transactions*, issue 26, 2021,

<https://pubs.rsc.org/en/content/articlelanding/2021/dt/d1dt00060h>

Markou M, Kouroupis D, Fotsis T, Bagli E, **Murphy C**. Vascularisation in 3D cell culture. *Basic Concepts on 3D Cell culture*. Springer. ISBN 978-3-030-66749-8. 2021.

<https://doi.org/10.1007/978-3-030-66749-8>

- Vrettos E, Karampelas T., Sayyad N, Kougioumtzi A, Syed N, Crook T, **Murphy C**, Tamvakopoulos C, Tzakos A: Development of programmable gemcitabine-GnRH pro-drugs bearing linker controllable “click” oxime bond tethers and preclinical evaluation against prostate cancer. *Eur. J. Medicinal Chem.* 211(2021)113018. <https://pubmed.ncbi.nlm.nih.gov/33223264/>
- Papadopoulos A, Chalmantzi V, Mikhaylichenko O, Hyvönen M, Stellas D, Kanhere A, Heath J, Cunningham DL, Fotsis T, **Murphy C**: Supporting data on combined transcriptomics and phosphoproteomic analysis of BMP4 signaling in human embryonic stem cells. *Data in Brief* 35 (2021) 106844. <https://www.sciencedirect.com/science/article/pii/S2352340921001281>
- Papadopoulos A, Chalmantzi V, Mikhaylichenko O, Hyvönen M, Stellas D, Kanhere A, Heath J, Cunningham DL, Fotsis T, **Murphy C**: Combined transcriptomics and phosphoproteomic analysis of BMP4 signaling in human embryonic stem cells. *Stem Cell Res* 50 (2021) 102133. <https://pubmed.ncbi.nlm.nih.gov/33383406/>
- Markou M, Kouroupis D, Badounas F, Katsouras A, Kyrkou A, Fotsis T, **Murphy C***, Bagli E*. Tissue engineering using vascular organoids from human pluripotent stem cell derived mural cell phenotypes. *Front Bioeng Biotechnol*, section Tissue Engineering and Regenerative Medicine. 8(2020) article 278, 1-20.* joint corresponding authors. <https://pubmed.ncbi.nlm.nih.gov/32363181/>
- Basagiannis D, Zografou S, **Murphy C**, Fotsis T, Morbidelli L, Ziche M, Bleck C, Mercer J, Christoforidis S. VEGF induces signalling and angiogenesis by directing VEGFR2 internalisation via macropinocytosis. *J. Cell Sci* 129 (2016) 4091-4104. <https://www.ncbi.nlm.nih.gov/pubmed/27656109>
- Tsolis K, Bagli E, Kanaki K, Zografou S, Carpentier S, Bei E, Christoforidis S, Zervakis M, **Murphy C**, Fotsis T, Economou A. Proteome changes during transition from human embryonic to vascular progenitor cells. *J Proteome Res* 15 (2016) 1995-2007. <https://www.ncbi.nlm.nih.gov/pubmed/27146950>
- Kyrkou A, Stellas D, Syrrou M, Klinakis A, Fotsis T, **Murphy C**: Generation of human induced pluripotent stem cells in defined, feeder-free conditions. *Stem Cell Res*, 17 (2016) 458-460. <https://www.sciencedirect.com/science/article/pii/S1873506116300381>
- Kouroupis D, Kyrkou A, Triantafyllidi E, Katsimpoulas M, Chalepakis G, Goussia A, Georgoulis A, **Murphy C**, Fotsis T: Generation of stem cell-based bioartificial anterior cruciate ligament (ACL) grafts for effective ACL rupture repair. *Stem Cell Res* 17 (2016) 448-457. <https://www.ncbi.nlm.nih.gov/pubmed/27217303>
- Karali E, Bellou S, Stellas D, Klinakis A, **Murphy C**, Fotsis T: VEGF signaling, mTOR complexes, and the endoplasmic reticulum: Towards a role of metabolic sensing in the regulation of angiogenesis. *Mol and Cell Oncol.* 1:3, e964024, <https://pubmed.ncbi.nlm.nih.gov/27308350/>.
- Karali E, Bellou S, Stellas D, Klinakis A, **Murphy C**, Fotsis T: ER mediates induction of endothelial cell survival and angiogenesis by VEGF: PLCg via mTORC1 activates ATF6 and PERK. *Mol. Cell* 54 (2014) 559-72. <https://www.ncbi.nlm.nih.gov/pubmed/24746698>
- Kostaras E, Pedersen NM, Stenmark H, Fotsis T, **Murphy C**: SARA and RNF11 at the crossroads of EGFR signalling and trafficking. *Methods Enzymol* 535 (2014) 225-47. <https://www.ncbi.nlm.nih.gov/pubmed/24377927>
- Bellou S, Pentheroudakis G, **Murphy C**, Fotsis T: Anti-angiogenesis in cancer therapy: Hercules and Hydra. *Cancer Lett.* 338 (2013) 291-28. <https://www.ncbi.nlm.nih.gov/pubmed/23707856>
- Kyrkou A, Soufi M, Bahtz R, Ferguson C, Bai M, Parton RG, Hoffmann I, Zerial M, Fotsis T, **Murphy C**: RhoD participates in the regulation of cell-cycle progression and centrosome duplication. *Oncogene* 2013, 32:1831-1842. <https://www.ncbi.nlm.nih.gov/pubmed/22665057>
- Kyrkou A, Soufi M, Bahtz R, Ferguson C, Bai M, Parton RG, Hoffmann I, Zerial M, Fotsis T, **Murphy C**: The RhoD to centrosomal duplication. *Small GTPases* 2013, 4. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3747252/>
- Kostaras E, Sflomos G, Pedersen NM, Stenmark H, Fotsis T, **Murphy C**: SARA and RNF11 interact with each other and ESCRT-0 core proteins and regulate degradative EGFR trafficking. *Oncogene* 32 (2013) 5220-32. <https://www.ncbi.nlm.nih.gov/pubmed/23222715>

- Bellou S, Karali E, Bagli E, Al-Maharik N, Morbidelli L, Ziche M, Adlercreutz H, **Murphy C**, Fotsis T: The isoflavone metabolite 6-methoxyequol inhibits angiogenesis and suppresses tumor growth. *Mol Cancer* 2012, 11:35. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3406996/>
- Sflomos G, Kostaras E, Panopoulou E, Pappas N, Kyrkou A, Politou AS, Fotsis T, **Murphy C**: ERBIN is a new SARA-interacting protein: competition between SARA and SMAD2 and SMAD3 for binding to ERBIN. *J Cell Sci* 2011, 124:3209-3222. <https://www.ncbi.nlm.nih.gov/pubmed/21878490>
- Bellou S, Hink MA, Bagli E, Panopoulou E, Bastiaens PI, **Murphy C**, Fotsis T: VEGF autoregulates its proliferative and migratory ERK1/2 and p38 cascades by enhancing the expression of DUSP1 and DUSP5 phosphatases in endothelial cells. *Am J Physiol Cell Physiol* 2009, 297:C1477-1489. <https://www.ncbi.nlm.nih.gov/pubmed/19741200>
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- Papanikolaou A, Papafotika A, **Murphy C**, Papamarcaki T, Tsolas O, Drab M, Kurzchalia TV, Kasper M, Christoforidis S: Cholesterol-dependent lipid assemblies regulate the activity of the ecto-nucleotidase CD39. *J Biol Chem* 2005, 280:26406-26414. <https://www.ncbi.nlm.nih.gov/pubmed/15890655>
- Panopoulou E, **Murphy C**, Rasmussen H, Bagli E, Rofstad EK, Fotsis T: Activin A suppresses neuroblastoma xenograft tumor growth via antimitotic and antiangiogenic mechanisms. *Cancer Res* 2005, 65:1877-1886. <https://www.ncbi.nlm.nih.gov/pubmed/15753386>
- Bagli E, Stefaniotou M, Morbidelli L, Ziche M, Psillas K, **Murphy C**, Fotsis T: Luteolin inhibits vascular endothelial growth factor-induced angiogenesis; inhibition of endothelial cell survival and proliferation by targeting phosphatidylinositol 3'-kinase activity. *Cancer Res* 2004, 64:7936-7946. <https://www.ncbi.nlm.nih.gov/pubmed/15520200>
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- Panopoulou E, Gillooly DJ, Wrana JL, Zerial M, Stenmark H, **Murphy C***, Fotsis T*: Early endosomal regulation of Smad-dependent signalling in endothelial cells. *J Biol Chem* 2002, 277:18046-18052. * joint last authors. <https://www.ncbi.nlm.nih.gov/pubmed/11877415>
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- Hatzi E, **Murphy C**, Zoepfel A, Ahorn H, Tontsch U, Bamberger AM, Yamauchi-Takahara K, Schweigerer L, Fotsis T: N-myc oncogene overexpression down-regulates leukemia inhibitory factor in neuroblastoma. *Eur J Biochem* 2002, 269:3732-3741. <https://www.ncbi.nlm.nih.gov/pubmed/12153570>
- Murphy C**, Saffrich R, Olivo-Marin JC, Giner A, Ansoorge W, Fotsis T, Zerial M: Dual function of rhoD in vesicular movement and cell motility. *Eur J Cell Biol* 2001, 80:391-398. <https://www.ncbi.nlm.nih.gov/pubmed/11484930>
- Hatzi E, Breit S, Zoepfel A, Ashman K, Tontsch U, Ahorn H, **Murphy C**, Schweigerer L, Fotsis T: MYCN oncogene and angiogenesis: down-regulation of endothelial growth inhibitors in human neuroblastoma cells. Purification, structural, and functional characterization. *Adv Exp Med Biol* 2000, 476:239-248. <https://pubmed.ncbi.nlm.nih.gov/10949669/>

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- Zacchi P, Stenmark H, Parton RG, Orioli D, Lim F, Giner A, Mellman I, Zerial M, **Murphy C**: Rab17 regulates membrane trafficking through apical recycling endosomes in polarized epithelial cells. *J Cell Biol* 1998, 140:1039-1053. <https://pubmed.ncbi.nlm.nih.gov/9490718/>
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- Murphy C**, Zacchi P, Parton RG, Zerial M, Lim F: HSV infection of polarized epithelial cells on filter supports: implications for transport assays and protein localization. *Eur J Cell Biol* 1997, 72:278-281. <https://pubmed.ncbi.nlm.nih.gov/9084990/>
- Zuniga Mejia Borja A, **Murphy C**, Zeller R: AltFGF-2, a novel ER-associated FGF-2 protein isoform: its embryonic distribution and functional analysis during neural tube development. *Dev Biol* 1996, 180:680-692. <https://pubmed.ncbi.nlm.nih.gov/8954736/>
- Murphy C**, Saffrich R, Grummt M, Gournier H, Rybin V, Rubino M, Auvinen P, Lutcke A, Parton RG, Zerial M: Endosome dynamics regulated by a Rho protein. *Nature* 1996, 384:427-432. <https://pubmed.ncbi.nlm.nih.gov/8945468/>
- Kretschmer C*, **Murphy C***, Biesinger B, Beckers J, Fickenscher H, Kirchner T, Fleckenstein B, Ruther U: A Herpes saimiri oncogene causing peripheral T-cell lymphoma in transgenic mice. *Oncogene* 1996, 12:1609-1616.* joint first authors. <https://pubmed.ncbi.nlm.nih.gov/8622880/>
- Murphy C**, Zerial M: Expression of Rab proteins during mouse embryonic development. *Methods Enzymol* 1995, 257:324-332. <https://pubmed.ncbi.nlm.nih.gov/8583936/>
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