

Curriculum vitae

• PERSONAL INFORMATION

Family name, First name: Kyrousi, Christina
Researcher unique identifier: ORCID, 0000-0002-6234-8382
Date of birth: 06/02/1986
Nationality: Greek
Contact details: ckyrousi@med.uoa.gr, ckyrousi@gmail.com

• EDUCATION

2014 Ph.D. in Basic Medical Sciences; School of Medicine, University of Patras, Greece
PhD Supervisor: Prof. Stavros Taraviras
2010 MSc in Basic Medical Sciences; School of Medicine, University of Patras, Greece
2008 Bachelor of Science in Biology, University of Patras, Greece

• CURRENT POSITIONS

Since 02/2021 Assistant Professor
First Department of Psychiatry, School of Medicine, National and Kapodistrian University of Athens, Greece
Since 02/2021 Affiliated Scientist
UMHRI University Mental Health, Neurosciences and Precision Medicine Research Institute "Costas Stefanis", Athens, Greece.

• PREVIOUS POSITIONS

2015 – 2021 Post-doctoral Scientist
Department of Developmental Neurobiology, Max Planck Institute for Psychiatry, Germany
2014 – 2015 Post-doctoral Scientist
Department of Physiology, Medical School, University of Patras, Greece
2012 EMBO short term Fellow, Visiting Scientist
Institute of Stem Cell Research in Helmholtz Centre, Munich, Germany
2009 Erasmus Fellow, Visiting Scientist
National Institute of Medical Research, London, UK

• HONORS

2020 Publication Di Matteo et al 2020 Cover page in EMBO Mol. Med. June 2020
2019 Publication Kyrousi and Cappello 2020 Wiley Interdiscip. Rev Dev Biol, Posted in Advance Science News May 2019, <https://www.advancedsciencenews.com/3d-tissue-cultures-to-study-the-developing-human-brain/>
2019 Publication Lalioti et al 2019, Research Highlight in J. Cell Sci. June 2019 <https://jcs.biologists.org/content/132/11/e11022017>
2016 Fotis Kafatos award in Biology for 2016 to Kyrousi C. from the Panhellenic Society of Bioscience for the publication: Kyrousi C., et al 2015 Development
2016 Fotis Kafatos award in Biology for 2016 from the Panhellenic Society of Bioscience for the publication: Arbi M., et al 2016 EMBO Rep.
2016 Publication Arbi M., et al 2016 Cover page in EMBO Rep. March 2016
2015 Publication Kyrousi et al 2015 Cover page in Development November 2015
2014 Awarded participation in the 64th Nobel Laureate Meeting, Lindau, Germany
2010 Best oral presentation award, 61st Conference of Hellenic Society of Biochemistry and Molecular Biology, Greece
2007 Poster presentation merit, 2nd Bioscience Conference, University of Patras, Greece

• INVITED SPEAKER IN MEETINGS

2020 Neapolitan Brain Group Webinar, Evolution of Brain Cortex in Mammals. Talk title: Extrinsic function of LGALS3BP in neural progenitors during human brain development
2020 Internal seminar, Max Planck Institute of Psychiatry, Munich, Germany. Talk title:

- 2019 LGALS3BP modulates local gyrification in the human cortex.
Internal seminar, Hellenic Pasteur Institute, Athens, Greece. Talk title: Cerebral organoids as a model for human brain development and neurodevelopmental disorders.
- 2019 Internal seminar, Alexander Fleming Biomedical Sciences Research Centre, Athens, Greece. Talk title: Cerebral organoids as a model for human brain development and neurodevelopmental disorders.
- 2019 XXII Congresso Nazionale SIGU meeting, November, Rome, Italy. Talk title: Cerebral organoids as a model for human brain development and neurodevelopmental disorders.
- 2019 28th HSfN meeting, October, Heraklion, Greece. Talk title: Modelling human brain development and disease using cerebral organoids.
- 2019 ISN-ASN meeting, August, Montreal, Canada. Talk title: LGALS3BP modulates local gyrification in the human brain.
- 2018 GRK2162 meeting, Neurodevelopment and Vulnerability of the Central Nervous System, September, Erlangen, Germany. Talk title: The extracellular matrix protein LGALS3BP regulates basal radial glial cells generation and human cortical development.

• **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

- 2020-present Member of the Advisory Committee: 1 PhD student, Department of Physiology, Medical School, University of Patras, Greece
- 2016-2021 Co-supervision: 3 master and 2 PhD students, Department of Developmental Neurobiology, Max Planck Institute for Psychiatry, Germany
- 2010-2015 Co-supervision: 2 bachelors and 5 master students, Department of Physiology, Medical School, University of Patras, Greece

• **TEACHING ACTIVITIES**

- Since 2021 Lecturer of Neuroscience and Behaviour in Medical students, School of Medicine, National and Kapodistrian University of Athens, Greece.
- Since 2021 Lecturer in Athens International Master's Programme in Neurosciences, Greece
- Since 2016 Lecturer in MSc in Basic Biomedical Science – Stem Cells and Regenerative Medicine, School of Medicine, University of Patras, Greece
- 2014 Practical trainer in MSc and PhD students, School of Medicine, University of Patras, Greece: The use of animal models
- 2008 – 2014 Instructor of practical courses in Physiology to undergraduate students, School of Medicine, University of Patras, Greece

• **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2022 EMBO Workshop June 2022, Kyllini, Greece – Co-organizer, Future event with secured funding, Title: Neural stem cells: From basic understanding to translational applications
- 2014 Conference and practical Workshop 11-13 September 2014, Patras, Greece – member of the organizing team, Title: Views into nuclear function
- 2010 1st Johns Hopkins and Patras University Neuroscience Symposium 14-15 May 2010, Patras, Greece – Member of the organizing team and practical course instructor, Title: Stem Cells And The Nervous System: Stem Cell Niches, Transplantation, Biotechnology

• **REVIEWING ACTIVITIES**

- Since 2021 Certified Expert of the Hellenic Foundation for Research and Innovation for research grants evaluations
- Since 2020 Review Editor in the Editorial Board of Neurogenesis
- Since 2018 Reviewer in: Acta Neuropathologica, Cell Death & Disease, Cell Stem Cell, Current Opinion in Neurobiology, Development, EMBO, Frontiers in Neuroscience, Nature, Science, Stem Cells and Development, Start Protocols

• **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- Since 2011 Member of the Panhellenic Society of Bioscience
- Since 2011 Member of the Hellenic Society of Neuroscience and FENS

• **FELLOWSHIPS, AWARDS AND GRANTS**

2021-2022	National grant: Support for new faculty members and permanent teaching staff, role to the grant PI, amount: 5,000€
2021	IBRO Early Career Award 2021: 5,000€
2021	National grant: "Mental health promotion/prevention of psychiatric disorders" Grant ID. 15347, role to the grant member, grant share: 20,000€
2017	Mifek-Kirschner Award/travel grant, Max-Planck Institute of Psychiatry Conference, Germany: €1,500
2014	Best poster presentation award/travel grant, 5th International Congress on Stem Cell and Tissue Formation, Dresden, Germany: €200
2012	EMBO short term fellowship (ASTF 419-2012): €8,010.50
2011	Poster presentation award/travel grant, 25th Conference HSN, Greece: €600
2009	Erasmus Placement Fellowship: €2,607

• PUBLICATIONS

Pubmed link: <https://pubmed.ncbi.nlm.nih.gov/?term=kyrousi+c&sort=date>

Google Scholar link: <https://scholar.google.com/citations?user=rZOMaH0AAAAJ&hl=el&oi=ao>

Scopus link: <https://www.scopus.com/authid/detail.uri?authorId=41561510200>

1. **Kyrousi C.**, O'Neill A.C., Brazovskaja A., He Z., Kielkowski P., Coquand L., Di Giaimo R., D' Andrea P., Belka A., Mei D., Lenge M., Cruceanu C., Buchsbaum I.Y., Khattak S., Fabien G., Binder E.B., Elmslie F., Guerrini R., Baffet A.D., Sieber S.A., Treutlein B., Robertson S.P., Cappello S. "Extrinsic function of LGALS3BP in neural progenitors during brain development". Manuscript accepted in **Nat. Commun.**
2. Cruceanu C., Dony L., Krontira A.C., Fischer D.S., Roeh S., Di Giaimo R., **Kyrousi C.**, Arloth J., Czamara D., Martinelli S., Wehner S., Breen M.S., Koedel M., Sauer S., Sportelli V., Rex-Haffner M., Cappello S., Theis F.J., Binder E.B. "Cell-type specific impact of glucocorticoid receptor activation on the developing brain: a cerebral organoid study". Manuscript accepted in **Am J Psychiatry**.
3. Ayo-Martin A.C., **Kyrousi C.**, Di Giaimo R., Cappello S. (2020) "GNG5 Controls the Number of Apical and Basal Progenitors and Alters Neuronal Migration During Cortical Development". **Front Mol Biosci.** Nov 2;7:578137. doi: 10.3389/fmolb.2020.578137. <https://pubmed.ncbi.nlm.nih.gov/33330619/>
4. Drechsel J., **Kyrousi C.**, Cappello S., Sieber A.S. (2020) "Tranlycypromine specificity for monoamine oxidase is limited by promiscuous protein labelling and lysosomal trapping". **RSC. Chem. Biol.** Aug 12;1(4):209-213. doi: 10.1039/d0cb00048e. <https://pubmed.ncbi.nlm.nih.gov/34458760/>
5. Tsaridou S., Skamnelou M., Iliadou M., Lokka G., Parlapani E., Mougkogianni M., Danalatos R.I., Kanellou A., Chlorogiannis D.D., **Kyrousi C.** and Taraviras S. (2020) "Three-Dimensional Models for studying neurodegenerative and neurodevelopmental diseases" **Adv. Exp. Med. Biol.**, 2020;1195:35-41. doi: 10.1007/978-3-030-32633-3_6. <https://pubmed.ncbi.nlm.nih.gov/32468456/>
6. Di Matteo F. #, Pipicelli F. #, **Kyrousi C.**, Tovecci I., Ayo Martin A.C., Giordano M., Hoffmann A., Canafoglia L., Gotz M., Di Giaimo R. and Cappello S. (2020) "Cystatin B is essential for proliferation and interneuron migration in individuals with EPM1 epilepsy". #Equal contributing authors. **EMBO Mol. Med.** 2020 Jun 8;12(6):e11419. doi: 10.15252/emmm.201911419. <https://www.ncbi.nlm.nih.gov/pubmed/32378798>
7. Buchsbaum I.Y., Kielkowski P., Giorgio G., O'Neill A.C., di Giaimo R., **Kyrousi C.**, Khattak S., Sieber S.A., Robertson S.P. and Cappello S. (2020) "ECE2 regulates Neurogenesis and Neuronal Migration via ECM production". **EMBO R.** 2020 May 6;21(5):e48204. doi: 10.15252/embr.201948204. <https://pubmed.ncbi.nlm.nih.gov/32207244/>
8. Kullmann J.A.#, Meyer S. #, Pipicelli F.#, **Kyrousi C.**, Schneider F., Bartels N., Cappello S., RustM.B. (2020) "Profilin1-dependent F-actin assembly controls division of apical radial glia and neocortex development". #Equal contributing authors. **Cerebral Cortex.** 2020 May 18;30(6):3467-3482. doi: 10.1093/cercor/bhz321. <https://www.ncbi.nlm.nih.gov/pubmed/31867667>
9. **Kyrousi C.** and Cappello S. (2020) "Using brain organoids to study human neurodevelopment, evolution and disease" Invitation from WIRES Developmental Biology. **Wiley Interdiscip Rev Dev Biol.** 2020 Jan;9(1):e347. doi: 10.1002/wdev.347. <https://www.ncbi.nlm.nih.gov/pubmed/31071759>
10. Lalioti M.E., Kaplani K., Lokka G., Georgomanolis T., **Kyrousi C.**, Dong W., Dunbar A., Parlapani E., Damianidou E., Spassky N., Kahle K.T., Papantonis A., Lygerou Z., and Taraviras S. (2019) "GemC1 is a critical switch for neural stem cell generation in the postnatal brain". **Glia.** 2019 Dec;67(12):2360-2373. doi: 10.1002/glia.23690. <https://www.ncbi.nlm.nih.gov/pubmed/31328313>

11. Lalioti M.E., Arbi M., Loukas I., Kaplani K., Kalogeropoulou A., Lokka G, **Kyrousi C.**, Mizi A., Georgomanolis T., Josipovic N., Gkikas D., Benes V., Politis P., Papantonis A., Lygerou Z., and Taraviras S. (2019) "GemC1 governs multiciliogenesis through direct interaction and transcriptional regulation of p73". *J Cell Sci.* 2019 Jun 3;132(11):jcs228684. doi: 10.1242/jcs.228684. <https://www.ncbi.nlm.nih.gov/pubmed/31028178>
12. Klaus J.#, Kanton S.#, **Kyrousi C.#**, Ayo-Martin A.C., Di Giaimo R., Riesenberg S., O'Neill A., Camp G., Tocco C., Gac M., Rusha E., Drukker M., Schroeder M, Götz M, Robertson S.P., Treutlein B.* and Cappello S.*. (2019) "An altered neuronal navigation system in cerebral organoids from individuals with periventricular heterotopia" *Corresponding authors, #Equal contributing authors. *Nat. Med.* 2019 Apr;25(4):561-568. doi: 10.1038/s41591-019-0371-0. <https://www.ncbi.nlm.nih.gov/pubmed/30858616>
13. O'Neill AC, **Kyrousi C.**, Klaus J., Leventer RJ., Fry A., Pilz D., Berkovic SF., Scheffer IE., Guerrini R., Markie DM., Götz M., Cappello S. and Robertson SP. (2018) "A hominid-specific isoform of PLEKHG6 regulates neuroprogenitor cell fate and basal progenitor expansion" *Cell Rep.* 2018 Dec 4;25(10):2729-2741.e6. doi: 10.1016/j.celrep.2018.11.029. [https://www.cell.com/cell-reports/fulltext/S2211-1247\(18\)31775-3](https://www.cell.com/cell-reports/fulltext/S2211-1247(18)31775-3)
14. Cardenas A., Villalba A., Romero CJ., Pico E., **Kyrousi C.**, Tzika AC., Tessier-Lavigne M., Ma L., Drukker M., Cappello S., and Borrell V. (2018) "Evolution of cortical neurogenesis in amniotes controlled by Robo signaling levels" *Cell.* 2018 Jul 26;174(3):590-606.e21. doi: 10.1016/j.cell.2018.06.007. <https://www.ncbi.nlm.nih.gov/pubmed/29961574>
15. O'Neill AC, **Kyrousi C.**, Einsiedler M., Burtscher I., Drukker M., Markie DM., Kirk EP., Götz M., Robertson SP. and Cappello S. (2018) "Mob2 insufficiency disrupts neuronal migration in the developing cortex" *Front Cell Neurosci.* 2018 Mar 12;12:57. doi: 10.3389/fncel.2018.00057. <https://www.ncbi.nlm.nih.gov/pubmed/29593499>
16. Taouki I., Tasioudi E., Lalioti M. E., **Kyrousi C.**, Skavatsou E., Kaplani K., Lygerou Z. Kouvelas E.D., Mitsacos A., Giompres P., and Taraviras S. (2017) "Geminin participates in differentiation decisions of adult neural stem cells transplanted in the hemiparkinsonian mouse brain" *Stem Cells Dev.* 2017 Aug 15;26(16):1214-1222. doi: 10.1089/scd.2016.0335. <https://www.ncbi.nlm.nih.gov/pubmed/28557659>
17. **Kyrousi C.**, Lygerou Z, Taraviras S. (2017). "How a radial glial cell decides to become a multiciliated ependymal cell" *Glia.* 2017 Jul;65(7):1032-1042. doi: 10.1002/glia.23118. <https://www.ncbi.nlm.nih.gov/pubmed/28168763>
18. Patmanidi A.L., Champeris-Tsaniras S., Karamitros D., **Kyrousi C.**, Lygerou Z. and Taraviras S. (2016) "Geminin – A Tale of Two Tails: DNA replication and Transcriptional/Epigenetic Regulation in stem cells" *Stem Cells.* 2017 Feb;35(2):299-310. doi: 10.1002/stem.2529. <https://www.ncbi.nlm.nih.gov/pubmed/27859962>
19. **Kyrousi C.**, Lalioti M. E., Skavatsou E., Lygerou Z. and Taraviras S. (2016) "Mcidas and GemC1/Lynkeas specify embryonic radial glial cells" *Neurogenesis* (Austin). 2016 Apr 27;3(1):e1172747. doi: 10.1080/23262133.2016.1172747. <https://www.ncbi.nlm.nih.gov/pubmed/27606337>
20. Arbi M., Pefani D. E.*, **Kyrousi C.***, Lalioti M. E., Kalogeropoulou A., Papanastasiou A., Taraviras S. and Lygerou Z. (2016) "GemC1 controls multiciliogenesis in the airway epithelium." *Equal contribution. *EMBO Rep.* 2016 Mar;17(3):400-13. doi: 10.15252/embr.201540882. <https://www.ncbi.nlm.nih.gov/pubmed/26882546>
21. **Kyrousi C.**, Arbi M., Pilz G. A., Pefani D. E., Lalioti M. E., Ninkovic J., Gotz M., Lygerou Z. and Taraviras S. (2015). "Mcidas and GemC1 are key regulators for the generation of multiciliated ependymal cells in the adult neurogenic niche." *Development.* 2015 Nov 1;142(21):3661-74. doi: 10.1242/dev.126342. <http://www.ncbi.nlm.nih.gov/pubmed/26395491>
22. Spella, M., **Kyrousi C.**, Kritikou, E., Stathopoulou, A., Guillemot, F., Kioussis, D., Pachnis, V., Lygerou, Z., and Taraviras, S. (2011). "Geminin regulates cortical progenitor proliferation and differentiation". *Stem Cells.* 2011 Aug;29(8):1269-82. doi: 10.1002/stem.678. <http://www.ncbi.nlm.nih.gov/pubmed/21681860>
23. Pefani, D.E., Dimaki, M., Spella, M., Karantzelis, N., Mitsiki, E., **Kyrousi C.**, Symeonidou, I.E., Perrakis, A., Taraviras, S., and Lygerou, Z. (2011). "Idas, a novel phylogenetically conserved geminin-related protein, binds to geminin and is required for cell cycle progression". *J Biol Chem.* 2011 Jul 1;286(26):23234-46. doi: 10.1074/jbc.M110.207688. <https://www.ncbi.nlm.nih.gov/pubmed/21543332>