

Curriculum Vitae-Marianthi Kiparaki

Name: Marianthi Kiparaki

Address: Institute for Fundamental Biomedical Research
Biomedical Sciences Research Centre, "Alexander Fleming"
34 Fleming str, 16672, Vari,
Greece

e-mail: kiparaki@fleming.gr

Lab page: www.fleming.gr/research/ifbr/junior-researchers/kiparaki-lab

Tel: 210-9656311 ext 248

Independent Positions

10/2022-today: Junior Research Investigator,
Institute for Fundamental Biomedical Research,
Biomedical Sciences Research Centre "Alexander Fleming", Vari, Greece

Positions

05/2020- today: Voluntary Associate, Albert Einstein College of Medicine, Department of
Genetics, Bronx, New York, USA (Laboratory of Professor Nicholas
Baker)

05/2020-09/2022: Visiting Scientist, Biomedical Sciences Research Centre "Alexander
Fleming", Vari, Greece (Hosted in the Laboratory of Dr. Efthimios
Skoulakis)

11/2019-04/2020 Research Associate, Albert Einstein College of Medicine, Department of
Genetics, Bronx, New York, USA (Laboratory of Professor Nicholas
Baker)

11/2014-10/2019 Postdoctoral researcher, Albert Einstein College of Medicine, Department
of Genetics, Bronx, New York, USA (Laboratory of Professor Nicholas
Baker)

11/2012-10/2014 Postdoctoral researcher, Harvard Medical School, Department of Cell
Biology, Boston, USA (Laboratory of Professor Spyros Artavanis-
Tsakonas)

Educational History:

10.2004-11.2012: The University of Crete, Department of Biology, Heraklion, Crete, Greece,
Ph.D. in Molecular Biology and Biomedicine (Thesis Advisor: Professor
Christos Delidakis) (PhD award: 1st November 2012)

09.2002-09.2004: The University of Crete, Department of Biology, Heraklion, Crete, Greece,
M.Sc. in Molecular Biology and Biomedicine (Thesis Advisor: Professor
Christos Delidakis)

09.1998-06.2002: The University of Crete, Department of Biology, Heraklion, Crete, Greece,
B.Sc. in Biology

Publications

Pubmed link: <https://pubmed.ncbi.nlm.nih.gov/?term=Marianthi+Kiparaki>

1. Protocol for assessing translation in living *Drosophila* imaginal discs by O-propargyl-puromycin incorporation. Kiparaki[#] M. and Baker[#] N.E., *Star Protoc.* Dec 15;4(4):102653, 2023. (# corresponding authors)
2. Ribosomal protein mutations and cell competition: autonomous and nonautonomous effects on a stress response. Kiparaki[#], M. & Baker[#], N. E. *Genetics*, 224, iyad080, **2023** (Featured article) (# co-corresponding authors)
3. The transcription factor Xrp1 orchestrates both reduced translation and cell competition upon defective ribosome assembly or function Kiparaki[#] M., Khan C., Folgado V., Chuen J. & Baker[#] N. E. *eLife* 11, e71705, **2022** (# co-corresponding authors)
4. Cell competition removes segmental aneuploid cells from *Drosophila* imaginal disc-derived tissues based on ribosomal protein gene dose. Ji Z., Chuen J., Kiparaki M. and Baker N.E. *eLife* 10, e61172, **2021**
5. *Drosophila* RpS12 controls translation, growth, and cell competition through Xrp1. Ji Z.*, Kiparaki* M., Folgado V., Kumar A., Blanco J., Rimesso G., Chuen J., Liu Y., Zheng D., and Baker N.E. *PLoS Genet.* Dec 16;15(12), **2019** (*equal contribution)
6. A potential link between p53, cell competition and ribosomopathy in mammals and in *Drosophila*. Baker N.E., Kiparaki M., Khan C. *Dev Biol* 446, 17-19, **2019**
7. A regulatory response to ribosomal protein mutations controls translation, growth, and cell competition Lee *C., Kiparaki* M., Blanco J., Folgado V., Ji Z, Kumar A., Rimesso G., Baker N.E. *Dev Cell* 46, 456–469, **2018**, (*equal contribution)
8. Ribosomal Protein S12e Has a Distinct Function in Cell Competition. Kale A., Ji* Z., Kiparaki* M., Blanco J., Rimesso G., Flibotte S. and Baker N.E. *Dev Cell* 44, 42–55, **2018** (*equal contribution)
9. bHLH proteins involved in *Drosophila* neurogenesis are mutually regulated at the level of stability. Kiparaki M., Zarifi I., and Delidakis C. *Nucleic Acids Res.* 43(5):2543-59, **2015**
10. The two *Tribolium* E(spl) genes show evolutionarily conserved expression and function during embryonic neurogenesis. Kux K, Kiparaki M., Delidakis C. *Mech Dev.*; 130(4-5):207-25, **2013**
11. Essential roles of Da transactivation domains in neurogenesis and in E(spl)-mediated repression. Zarifi*, I., Kiparaki*, M., Koumpanakis, K.A., Giagtzoglou, N., Zacharioudaki, E., Alexiadis, T., Livadaras, I. and Delidakis, C. *Mol Cell Biol.*; 32(22):4534-48, **2012** (*equal contribution)

Curriculum Vitae-Marianthi Kiparaki

Funding:

-3rd Call for Hellenic Foundation for Research and Innovation (H.F.R.I.-ELIDEK) Research Projects to Support Post-Doctoral Researchers: (10/2022-10/2024)

Title: Mechanisms of Ribosome mediated Cell Competition (Budget: 120,000 euros)