



## Paweł Golik

University of Warsaw, Faculty of Biology,  
Institute of Genetics and Biotechnology  
[pgolik@igib.uw.edu.pl](mailto:pgolik@igib.uw.edu.pl)  
<http://orcid.org/0000-0001-7814-482X>

### PROFILE

Researcher and academic professor, molecular geneticist and evolutionary biologist with interest in mitochondrial gene expression, mechanisms of evolution, and the use of DNA sequencing in the study of human evolution. Also interested in interdisciplinary studies between biology and humanities, with topics like bio-art, public understanding and acceptance of science, and the impact of evolutionary theory on social sciences. Frequently engages in the popularisation of science, member of the Council for the Promotion of the Public Understanding of Science of the Polish Academy of Sciences. Author of 46 peer-reviewed papers, >1400 citations, *h*-index 18. Co-author of one academic textbook.

### EXPERIENCE

**Director of Institute of Genetics and Biotechnology, University of Warsaw, Faculty of Biology 2010-Present**

**Full professor, University of Warsaw, Faculty of Biology 2012-Present**

Research on the mechanisms and evolution of mitochondrial gene expression, and on yeast models of human mitochondrial diseases. Teaching Genetics, Human Genetics, Mechanisms of Evolution, and other courses. Teaching courses and seminars for humanities students at the interdisciplinary Faculty of “Artes Liberales” at the University of Warsaw in the “Nature and Culture” programme.

**Associate professor, University of Warsaw, Faculty of Biology 2008-2012**

Research on mitochondrial gene expression in yeast and human cells. Teaching Genetics, Human Genetics, Mechanisms of Evolution, and other courses.

**Assistant professor, University of Warsaw, Faculty of Biology 2002-2008**

Research on mitochondrial gene expression in yeast and human cells. Research on the role of mtDNA mutations in cancer. Teaching Genetics, Molecular Genetics, and Human Genetics courses.

**Post-doc, Emory University, Center for Molecular Medicine, Atlanta, GA, USA 2000-2002**

Work on mitochondrial diseases (application of microarray technology to study mitochondrial disease in humans and in animal models), and on using mtDNA sequences to study human evolution.

**Post-doc, Centre de Génétique Moléculaire, C.N.R.S, Gif-sur-Yvette, France 1999-2000**

Work on mitochondrial genetics in yeast and on microbial genome evolution.

## EDUCATION AND DEGREES

M.Sc. in Molecular Biology, 1994, University of Warsaw, Faculty of Biology

Ph.D. in Molecular Biology, 1999, University of Warsaw, in partnership with the Centre de Génétique Moléculaire, C.N.R.S, Gif-sur-Yvette, France

D. Sc. (habilitation), 2008, University of Warsaw, Faculty of Biology

Professor (titular), 2012

## SKILLS

Languages: Polish (native), English (fluent), French (good). Advanced computer skills (system and network administration, programming). Driving license category B (cars). Sailing yacht skipper license (in- and offshore).

## SELECTED PUBLICATIONS

- Kaliszewska, M., Kruszewski, J., Kierdaszuk, B., Kostera-Pruszczyk, A., Nojszewska, M., Łusakowska, A., Vizueta, J., Sabat, D., Lutyk, D., Lower, M., Piekutowska-Abramczuk, D., Kaniak-Golik, A., Pronicka, E., Kamińska, A., Bartnik, E., Golik, P., Tonska, K., 2015. Yeast model analysis of novel polymerase gamma variants found in patients with autosomal recessive mitochondrial disease. *Hum Genet* 134, 951–966.
- Kolondra, A., Labeledzka-Dmoch, K., Wenda, J.M., Drzewicka, K., Golik, P., 2015. The transcriptome of *Candida albicans* mitochondria and the evolution of organellar transcription units in yeasts. *BMC Genomics* 16, 827.
- Picard, M., Zhang, J., Hancock, S., Derbeneva, O., Golhar, R., Golik, P., O'Hearn, S., Levy, S., Potluri, P., Lvova, M., Davila, A., Lin, C.S., Perin, J.C., Rappaport, E.F., Hakonarson, H., Trounce, I.A., Procaccio, V., Wallace, D.C., 2014. Progressive increase in mtDNA 3243A>G heteroplasmy causes abrupt transcriptional reprogramming. *Proc Natl Acad Sci USA* 111, E4033–42.
- Lipinski, K.A., Puchta, O., Surendranath, V., Kudla, M., Golik, P., 2011. Revisiting the yeast PPR proteins - application of an Iterative Hidden Markov Model algorithm reveals new members of the rapidly evolving family. *Mol Biol Evol* 28, 2935–2948.
- Mishmar, D., Ruiz-Pesini, E., Golik, P., Macaulay, V., Clark, A.G., Hosseini, S., Brandon, M., Easley, K., Chen, E., Brown, M.D., Sukernik, R.I., Olckers, A., Wallace, D.C., 2003. Natural selection shaped regional mtDNA variation in humans. *Proc Natl Acad Sci USA* 100, 171–176.

The complete and current list of publications can be found at <http://orcid.org/0000-0001-7814-482X>