

# CURRICULUM VITAE

Gergely J. Szöllősi

## EMPLOYMENT

**2017 - ERC Group leader and Assistant Professor at Eötvös University**  
**2016 - Senior Group Leader, MTA-ELTE “Momentum” Evolutionary Genomics Research Group**  
2013 - 2016 Research associate and PI at MTA-TKI FP7 [GENESTORY](#) project.  
2011 - 2013 Marie Curie fellow at Lyon, Univ. Claude Bernard, Lyon, France  
2009 - 2011 ANR Postdoctoral fellow at CNRS UMR 5558, Lyon France, advisor: Vincent Daubin

## EDUCATION

**2009 PhD in Physics** from Eötvös University, *summa cum laude* [date awarded 19.11.2009](#).  
2008 visiting PhD student at the Rockefeller University; 2007 visiting PhD student University of Cologne  
**2004 M.Sc. in Physics** from the Faculty of Sciences at Eötvös University  
2004 EMSPS scholarship Kobenhavn University; 2002 ERASMUS Humboldt University  
1994 - 98 Kossuth Lajos High School, (specialising in physics), Debrecen, Hungary.  
1993 - 94 Raoul Wallenberg High School, San Francisco, California.

## GRANTS & AWARDS

<b>2017-23 ERC Starting Grant</b> <a href="#">GENECLOCKS</a>	€ 1,453,542	as PI
<b>2021-26 MTA “Momentum II”</b>	€ 450,000	as PI
2016-21 MTA “Momentum I”	€ 450,000	as PI
2013-16 FP7-PEOPLE-CIG <a href="#">GENESTORY</a>	€ 87,500	as PI
2013-14 Albert Szentgyörgyi Excellence Fellowship	€ 26,000	as PI
2011-13 FP7-PEOPLE-IEF <a href="#">GENEFOREST</a> at the LBBE, Lyon FR	€ 173,662	as PI
<b>2020-23 Moore-Simons Origin of the Eukaryotic Cell</b>	\$ 510,000 with \$ 119,600	as co-PI
2017-21 WWTF “Mathematics and ... ” call	€ 597,400 with € 68,600	as co-PI

## TEACHING

For 4 semesters as a PhD student I was responsible for the Molecular Modelling practical course, since receiving my PhD I have developed and taught three courses at the M.Sc. and also a course at the B.Sc. level:  
**Reconstructing evolutionary history from molecular sequences** (M.Sc. elective) 2014/15 summer, 2015/16 summer, 2017/18 summer, 2018/19 summer, 2020/21 summer, 2021/22 summer;  
**Phylogenetics** (M.Sc.) 2020/21 winter, 2021/22 winter, 2022/23 winter;  
**Computational Biology** (M.Sc.) 2020/21 winter, 2022/23 winter;  
**Statistical Physics** (B.Sc.) 2021/22 summer.

## STUDENTS AND POSTDOCS

### B.Sc. theses in Physics Eötvös University

Zsófia Kéri (2013), Márton Demeter (2015), Máté Kiss (2015), Dániel Grajzel (2016), Judit Börcsök (2017), Lénárd Szánthó (2019), Kyra Menyhárt (2019), Szabolcs Bernáth (2022), Márton Juhász (2023)

### M.Sc. theses in Biological Physics Eötvös University

Zsófia Kéri (2016), Márton Demeter (2018), Máté Kiss (2018) Dániel Grajzel (2019), Lénárd Szánthó (2021)

### M.Sc. thesis in Bioinformatics, Eötvös University

Norbert Szakács (2022)

### PhD students

**2018-22** co-supervisor, PhD Biological physics **Márton Demeter** at Eötvös University  
**2018-22** co-supervisor, PhD Biological physics **Máté Kiss** at Eötvös University  
**2018-22** co-supervisor, PhD Biological physics **Mario Perez Jiminez** at Eötvös University  
**2019-23** co-supervisor, PhD Biological physics **Dániel Grajzel** at Eötvös University  
**2021-25** supervisor, PhD Biological physics **Lénárd Szánthó** at Eötvös University

### Postdocs

2017-21 Dr. Gergely Tibély, topic: “Model based cancer genomics”  
2018-20 Dr. Gábor Guta, topic “next generation reconciliation methods in ALE”  
**2018-22 Dr. Dominik Schrempf**, topic “Species-tree aware phylogenomics methods”  
**2020-22 Dr. Eduardo Ocaña-Pallarès**, topic “HGT in Eukaryotes”

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## MEMBERSHIP & SERVICE

- 2019- Fiatal Kutatók Akadémiája / Academy of Young Researchers, founding member  
2016-19 [PCI Evol. Biol.](#), Managing Board  
2019 Mathematical and Statistical Aspects of Molecular Biology, organising committee  
2020 Mathematical and Statistical Aspects of Molecular Biology, organising committee head (delayed due to the pandemic)  
2023 "Models of interacting structures in evolution: emergence, embedding, coevolution", scientific committee

**Member** of the Society for Molecular Biology and Evolution, Hungarian Bioinformatics Society and Hungarian Biophysics Society.

**Reviewer** for Molecular Biology and Evolution, Systematic Biology, Nature Communications, Nature Ecology and Evolution, eLife, Genome Biology and Evolution, PLoS Computational Biology, Physical Review Letters, Genetics, Physical Review E.

## SELECTED MEDIA COVERAGE

- [Illuminating the first bacteria](#)—Perspective in Science, 2021  
[Chronological Clues to Life's Early History Lurk in Gene Transfers](#)—Quanta Magazine, 2018  
[The Road To Frontier Research: ERASMUS+, Marie Skłodowska-Curie, ERC](#)—ERC.europa.eu, 2017  
[In Natural Networks, Strength in Loops](#)—ScientificAmerican.com, 2013

## PUBLICATIONS

I have been involved as an author in 52 peer reviewed publications in journals with an impact factor, and was a lead author in 25 of these. My work has been cited over 3800 times, and my h-index is 30. The cumulative impact factor of these publications is 533 (and 273 as lead author). For further details and a complete list of my publications please see my [Google Scholar profile](#) and [selected publications](#).

## SELECTED TALKS

- 2022 Invited speaker at upcoming **Mathematical models in ecology and evolution** Reading, UK  
2018 Invited speaker **Systems Genetics of Cancer**, Portland, Oregon  
2017 Invited speaker **Bertinoro Computational Biology**, Bertinoro, Italy  
2017 Invited speaker **Mathematical and Statistical Aspects of Molecular Biology**, Vienna, Austria  
2016 Invited keynote at **Jacques Monod "50 years of molecular phylogeny"**, Roscoff, France.  
2016 Invited speaker at **Evolution**, Austin, Texas.  
2014 Selected Speaker at **SMBE**, San Juan, Puerto Rico, USA.  
2014 Invited speaker at **Statistical Methods for Post Genomic Data**, Paris, France.  
2013 Selected speaker **Jacques Monod "Advances in evolutionary genomics"**, Roscoff, France.  
2010 Selected Speaker at **SMBE** Lyon, France.

## REFERENCES

- Prof. Alexandros Stamatakis** at HITS, Heidelberg Germany;  
email: [alexandros.Stamatakis@h-its.org](mailto:alexandros.Stamatakis@h-its.org);  
website: <https://www.h-its.org/people/prof-dr-alexandros-stamatakis/>
- Prof. Eörs Szathmáry** at the Ecological Research Center, Budapest Hungary;  
email: [szathmary.eors@ecolres.hu](mailto:szathmary.eors@ecolres.hu);  
website: <https://ecolres.hu/en/munkatarsak/eors-szathmary/>
- Prof. Phil Hugenholtz** at the University of Queensland, Australia;  
email: [p.hugenholtz@uq.edu.au](mailto:p.hugenholtz@uq.edu.au)  
website: <https://scmb.uq.edu.au/profile/324/phil-hugenholtz>
- Dr. Anja Spang** Royal Netherlands Institute for Sea Research, The Netherlands;  
email: [anja.spang@nioz.nl](mailto:anja.spang@nioz.nl);  
website: <https://www.nioz.nl/en/about/organisation/staff/anja-spang>
- Prof. Martin T. Embley** at Newcastle University, Newcastle upon Tyne, UK;  
email: [martin.embley@ncl.ac.uk](mailto:martin.embley@ncl.ac.uk);  
website: <https://www.ncl.ac.uk/medical-sciences/people/profile/martinembley.html>
- Dr. Vincent Daubin** at the CNRS, Lyon, France;  
email: [vincent.daubin@univ-lyon1.fr](mailto:vincent.daubin@univ-lyon1.fr);  
website: <https://lbbe.univ-lyon1.fr/en/node/5544>
- Dr. Tom A. Williams** at the University of Bristol, Bristol, UK;  
email: [tom.a.williams@bristol.ac.uk](mailto:tom.a.williams@bristol.ac.uk);  
website: <https://research-information.bris.ac.uk/en/persons/tom-williams>