YUAN LI

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Summary

A properly educated biologist and bioinformatician, specialised in single cell/bulk transcriptomics, (phospho)proteomics, omics integration, machine learning, fluent in R and python, excellent in scientific writing and popular science writing.

Skills

- ❖ (Single cell/spatial/bulk) transcriptomics
- ❖ (Phospho)proteomics
- ❖ Metabolomics
- ❖ Reproducible (git, docker)
- ❖ Teaching
- ❖ Fast learner

Experience

2025	Master student supervision, Dept. Immunotechnology, Lund University, Lund, Sweden.
2024-2025	Teach single cell RNAseq in course: Omics - Analysis of large-scale biomolecular datasets, Lund university, Lund, Sweden
2003-2005	Teaching assistant in different NBIS courses: scRNAseq, Omics integration and system biology, Data visualisation in R, Introduction to Bioinformatics using NGS data
2023-now	Bioinformatician. NBIS, Sweden/Dept. Immunotechnology, Lund University, Lund, Sweden.
2021-2023	Bioinformatician. Dept. Experimental Medical Sciences (neural development) & Department of Laboratory Medicine (Bone marrow/blood cancer), Lund University, Sweden.
2021	Teaching assistant within the Bioinformatics master program, Lund University, Sweden.
2020	Software development (for single cell RNA seq data analyses), BRIC, Copenhagen University, Demark.
2019-2020	Vice chairman, Montessoriförskolan Lillskolan, Lund, Sweden.
2018-2020	Postdoc in the Computational Biology and Biological Physics group (CBBP), Lund University, Sweden.
2017	*Popular science writer.* For publications, see: http://lup.lub.lu.se/search/search/person/ekol-yal?start=&limit=100&sort=year.desc
2017	Reviewer (Expert's evaluation No. 557921) to one grant proposal about ecological epigenetics (registration no. 2016/23/N/NZ8/02057) at (Polish) National Science Centre (https://osf.opi.org.pl/app/adm/start.do).
2015-2016	Project assistant, Department of Biology, Lund University, Sweden.
2012-2019	Regular Oral/poster presentations (in English) at international/national conferences/symposiums.

2016	Teaching assistant in *Terrestrial Ecology*, Lund University, Sweden.
2013	Regularly involved in a Prao project, which introduces scientific research to high school students, Lund University, Sweden.
2004/2006	English tutor, China

Education

2019-2020	Master Programme in Bioinformatics, Lund University, Sweden.
2009-2015	PhD degree (2015-06-05), Department of Biology, Lund University (201307-201408: maternal leave), Sweden.
2008-2009	Visiting student in Evolutionary Functional Genomics, Evolutionary Biology Centre, Uppsala University, Sweden.
2006-2008	Graduate student in Molecular Ecology, Key laboratory of Arid and Grassland Ecology, Ministry of Education, School of life science, Lanzhou University, China.
2002-2006	B.S. in Life Science, National Bases of Biology for the Training of Researching and Teaching personnel for Fundamental Disciplines, School of life science, Lanzhou University, China.

Languages

- ❖ Good command of reading, listening, writing and speaking English
- ❖ Swedish level: Grundskolan
- ❖ Mother tongue: Chinese

Publication summary

Have more than 30 publications (including both scientific and popular science), and more than half are in English and the majority of which are in peer-reviewed journals.

please see: **https://lup.lub.lu.se/search/search/person/ekol-yal** or **https://scholar.google.com/citations?user=aG4uxkAAAAAJ&hl=en**

Awards and Grants

2018-2019	Stiftelsen Olle Engkvist Byggmästare Forskningsprojekt (co-applicant)
2015	Axel Wenner-Grens Stiftelse
2013/2010	Stiftelsen Anna och Svante Murbecks minnesfond
2010	Stiftelsen Areschougska stipendiet (botaniska studier)
2009	Donationerna för naturvetenskap, medicin och teknik
2002-2006	Lanzhou University Scholarship
2004-2005	Scholarship for National Bases for the Training of Researching and Teaching Personnel for Fundamental Disciplines
2003-2004	National Scholarship
2002-2003	Student of Triple Excellence, Lanzhou University

R packages

Maj18/KinaseDownstream (private so far); Maj18/permuDE