

Job Type**Postdoctoral fellow****Starting date****Autumn 2023****Discipline****Life Science**
Cell biology
Genetics
Genomics**Qualifications****PhD degree (recent)**
1st author of a peer-reviewed research article**Employment****Full Time****Duration****Up to 5 years****Starting salary****UniL payscale** 
(**premier assistant**)**Funding****European Research Council**

The **Vještica Lab** at the Center for Integrative Genomics, University of Lausanne in Switzerland is looking for a **POSTDOCTORAL FELLOW**

to study the mechanisms of gamete-to-zygote transition in fission yeast.

Vještica lab (wp.unil.ch/vjesticalab) is interested in the sexual lifecycle with a focus on mechanism of **gamete-to-zygote transition**. We previously showed striking similarities between zygotes of fission yeast and higher eukaryotes^{1,2} and now use this powerful model system to explore molecular mechanisms that regulate zygotic fate establishment and subsequent development. We are currently exploring roles and regulation of **transcriptional and post-transcriptional regulation in early zygotes**.

The fellow will work on the ERC Starting Grant-funded project to characterize the mechanisms driving changes in zygotic gene expression. The roles of **post-transcriptional RNA regulation** are of particular interest. The fellow will be expected to formulate and pursue a challenging project, and encouraged to develop as an independent researcher. Work will rely on integrating high-throughput genomics and proteomics, advanced genetics, microscopy and image analysis.

Candidates must hold a **recent PhD** in life sciences, a **first-author peer-reviewed research publication** and excellent command of oral and written English. Experience in high-throughput data analysis, microscopy and genetics is advantageous. The position comes with a competitive **premier assistant salary** and includes research, teaching and training responsibilities.

The Vještica Lab is supported by the European Research Council (ERC Starting Grant), the Swiss National Science Foundation (Eccellenza Professorial Fellowship) and the University of Lausanne. We offer an exciting working atmosphere in the interdisciplinary environment of the Center for Integrative Genomics. University of Lausanne is a leading research institution with possibilities for continued professional education and a multitude of scientific and cultural activities to discover. Located in the francophone part of Switzerland, Lausanne offers a multicultural, diverse and dynamic environment with easy access to alpine nature and big cultural centers of Europe.

To apply, please contact Aleksandar Vještica (Aleksandar.Vjestica@unil.ch) with a single PDF file containing the CV and a motivation letter that summarizes applicant's previous work and interest in projects of the Vještica lab.

References:

1. Vještica, A. et al. *Nature* 560, 397–400 (2018).
2. Vještica, A. et al. *PLoS Biol* 19, e3001067 (2021).

**VJEŠTICA LAB**