



## opens PhD and Post-Doc positions for 2024/5

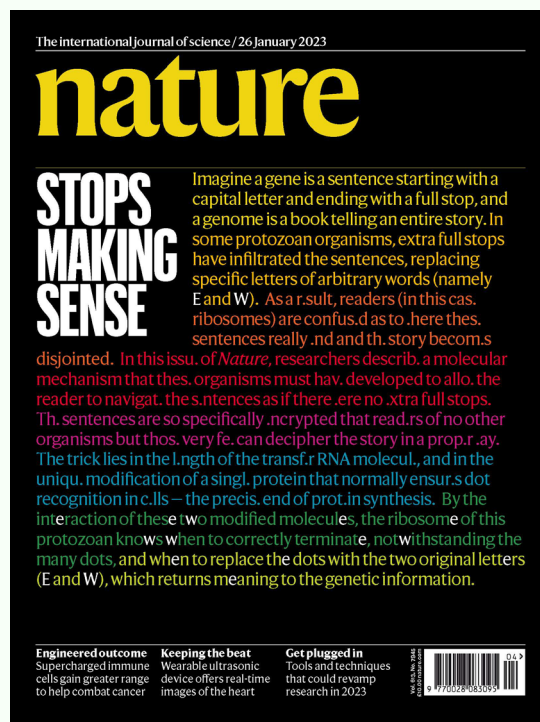
### **Role of stop codon readthrough-inducing tRNAs in weird non-stop organisms and in RNA therapies for humans.**

#### **WHO we ARE**

We are a closely cooperating international team of forever young researchers and students who enjoy solving tough scientific questions concerning regulation of gene expression while having fun at the same time. Our Laboratory of Regulation of Gene Expression at the Institute of Microbiology CAS in Prague is currently supported by Czech Science Foundation (CSF) – EXPRO grant of Excellence, collaborative German DFG-CSF grant, and prestigious Praemium Academiae from CAS.

#### **WHAT we OFFER**

We aim to fill one or two PhD/post-doc positions in the area of tRNA biology. Our recent success in *Nature* has provoked many questions concerning the utilization of tRNAs promoting efficient stop codon readthrough in our ever-surprising nature, as well as their prospective application in RNA therapies for human genetic diseases caused by the occurrence of premature termination codons (PTCs). The successful applicant(s) will develop new research project(s) towards both of these mutually interrelated goals in a broad international collaboration with the potential to acquire new skills in our partner labs in the EU and the USA. *“We want to start where translation ends prematurely!”*



#### **WHO are WE looking FOR?**

We are looking for a highly motivated and ambitious PhD student(s) and/or post-doc(s) with at least basic experience in various techniques of molecular biology, biochemistry, genetics, and bioinformatics, and a good deal of knowledge of the field of regulation of gene expression. Curiosity, self-motivation, healthy ambition and self-confidence, team working skills, easy going personality, good sense of humor, and writing and communication skills in English are also very welcome.

#### **inteRESTED to APPLY?**

Please contact Leos Shivaya Valasek ([valasekl@biomed.cas.cz](mailto:valasekl@biomed.cas.cz)) and check more about our lab here (<https://www.biomed.cas.cz/mbu/lrge/index.html#>). Thank you.