Postdoctoral Research Position in Cell Biology

Location: HUN-REN Office for Supported Research Groups (TKI) Cell Cycle Laboratory in the National Institute of Oncology, Budapest, Hungary
Start date: 2025 (flexible)
Duration: up to 4 years, full time position
Salary: competitive, based on current remuneration structures
Contact: Prof. Peter Tompa (tompapeti@gmail.com; peter.tompa@oncol.hu)

Who we are: The HUN-REN Office for Supported Research Groups (TKI) opens a new Cell Cycle Laboratory in the National Institute of Oncology (NIO), Budapest, Hungary. The laboratory led by Prof. Richard Pestell (https://www.pcarmrc.org/pestell-1), Prof. Peter Nagy (https://uncan.eu/national-institute-of-oncology-hungary/) and Prof. Peter Tompa (https://www.linkedin.com/in/peter-tompa-181a461b1) is funded by the RGH_24 program of the National Research, Development and Innovation Fund (NKFIH). NIO is a leading institution in cancer care in Hungary, serving as the epidemiological, organizational, methodological, treatment, research, and training center of Hungarian oncology. The NIO Research Department is a vibrant and collaborative environment, with a strong focus on developing molecular understanding and novel treatment options of cancer, committed to fostering a diverse and inclusive research community.

What we are looking for: The laboratory is looking for a highly motivated and creative Postdoctoral Research Fellow to join our team to investigate the molecular mechanisms of Cyclin D1-driven tumor transformation, with a particular focus on the role of protein-protein and protein-chromatin interactions in driving the generation of oncogene induced secretome (OIS) in tumor chromosomal instability (CIN), by following the effect of OIS on the expansion of prostatospheres, the induction of cancer stem cells, recruitment and reprogramming of macrophages, and driving angiogenesis. Candidacy requires a Ph.D. in molecular biology, cell biology or a related field, with a strong background in cellular techniques, such as cell culture, FACS/flow cytometry, confocal microscopy, single-cell sequencing, qPCR, and LC/MS proteomics. He/She will be responsible for designing and conducting independent research experiments, supervising PhD student(s), and presenting research findings in peer-reviewed publications and at conferences.

What we offer: The successful candidate will be part of a collaborative and supportive team, have access to state-of-the-art facilities at the NIO and HUN-REN Research Centre for Natural Sciences (TTK) and work in close collaboration with an international stem cell research network on the understanding of molecular disease mechanisms impinging on cancer cell activation and stromal tumor inflammation. HUN-REN TKI offers a competitive salary commensurate with experience and qualifications and will include a comprehensive benefits package.

If interested: please send to Prof. Peter Tompa (tompapeti@gmail.com; peter.tompa@oncol.hu):
i) a cover letter outlining their research interests and experience
ii) a curriculum vitae (CV) including a list of publications
iii) contact information for three professional references