

Contract: 36 months
Salary: according to the Marie Skłodowska-Curie action rules.
Open positions: 1
Location: Budapest, Hungary
Type: Full-time

Investigation of the effect of newly synthesized compounds on tumor cell proliferation *in vitro* and on tumor growth and metastasis *in vivo*

The PhD project will focus on the investigation of anti-tumoral effects of selected molecules in different *in vitro* and *in vivo* experimental models. Potential anti-metastatic effects of the molecules will be studied in *in vitro* migration and invasion assays as well. The compounds of interest, synthesized and tested by other members of our consortium, will be investigated in different toxicology models. Subcutaneous tumor and orthotopically transplanted metastasis as well as patient-derived tumor xenografts (PDX) mice models will be used for *in vivo* treatment efficacy evaluation studies.

Recruiting Institution: National Institute of Oncology, Budapest, Hungary

The ESR who will take part in the above program will be enrolled by Semmelweis University, Budapest, Hungary in the PhD Course of Pathological Sciences, Program 1: Experimental Oncology, granting a PhD degree at the end of three/four years.

Academic Supervisor: József Tóvári, PhD

Planned Secondments: *Heidelberg Pharma Research GmbH, Germany, 7 months,*
Preclinical development of drug conjugates

Address applications to: József Tóvári, PhD

Department of Experimental Pharmacology, National Institute
of Oncology, Budapest, Hungary

tozsi@oncol.hu ; jtovari@yahoo.com

Website: <https://onkol.hu/kiserletes-farmakologia/?lang=en>

Deadline: The applications and the letter of recommendation must be
received by December 31, 2019. (see [here](#))

Skype interviews will be organized for selected, short-listed applicants.

Start Date: The expected start date of the fellowship is April 1, 2020.

Desired experience

Cell Biology background with *in vitro* and *in vivo* drug development experiences. The ESR should have an understanding of cell biology, molecular biology, interest in oncology, pharmacology and animal models.

Studies

Cell Biology, Oncology, Pharmacology.

Minimum requirements

The applicant should have completed five years education with a Master's degree or Diploma (until January, 2020) from a recognized university in Biochemistry, Biotechnology, Pharmacology, Biology or Medicine.

Desired requirements

The applicant should be familiar with basic cell culture and molecular biological techniques. Prior experience in animal experiments would be a plus.

Cell biology and molecular biology background with *in vitro* and *in vivo* drug development experiences.

The applicant should show interest in conducting a research project independently and should enjoy the work in an international, interdisciplinary environment.

Candidates, who have already obtained a Ph.D. degree, or have more than 4 years of research activity (from the date when they have obtained a University diploma giving access to doctoral studies), are NOT eligible.

At the time of recruitment, the applicant must not have resided (or carried out his/her main activity e.g. work, studies, etc.) in Hungary for more than 12 months in the last 3 years immediately prior to the reference recruitment date.

The applicant should have an excellent skills of the English language at a high level (spoken and written).