

Palacký University Olomouc

Department/division: Laboratory of Experimental Medicine (LEM), Institute of Molecular and Translational Medicine (IMTM), Faculty of Medicine and Dentistry (www.imtm.cz)

One of the main aims of the LEM IMTM is the implementation of modern molecular-based methods to generate new, unique and applicable knowledge in the field of ageing and age-related disorders. Current research activities are focused on prognostic and predictive biomarkers identification and quantification. The proposed topic is focused on identification and validation of biological age biomarkers. The laboratory research will include isolation of gDNA, mRNA, and proteins from blood or epithelial cells of volunteers to evaluate both physiological and premature senescence markers in humans and animals.

Position title: Physician and/or Molecular or Cellular Biologist at the IMTM

Position purpose: To prepare and analyze biological samples for senescence markers identification, correlation with available clinical information.

Duties and responsibilities:

- Tissue cultures
- gDNA, RNA, proteins isolation
- Sanger sequencing, next generation sequencing, RT-qPCR, Immunofluorescence
- Interpretation of results, biostatistics

Qualifications

Field/s of study:

- Biology
- Medicine

Level of study: doctoral

Professional competences:

- Knowledge and skills within molecular biology

Key competences/Language skills:

- English – B1-B2 – Intermediate-Upper intermediate (Required)

Key competences/Computer skills:

- Word processing, Spreadsheets, Databases, Presentation – Independent user

Key competences/Other:

- Communication
- Critical and analytical thinking
- Planning and organizing
- Teamwork
- Intercultural perception
- Initiative
- Reliability

How to apply

Please send CV, cover letter (in English) to Kateřina Šromová, katerina.sromova@upol.cz, as soon as possible.

Facts

Economic sector: Tertiary education

Size: staff 2 001 to 5 000

Working language/s: Czech, English

Type of work placement: Traineeship

City/Country: Olomouc/the Czech Republic

Earliest start date: March 2022

Latest start date: April 2022

Duration: 3,0 months with possible extension

Working hours: 40 hours/week (working hours from 08:00 to 16:00)

Remuneration:

Financial contribution: Erasmus+ scholarship in the amount of 800 EUR/month + contribution for travel costs according to final destination

Contribution in kind: none

Application

Required application documents: CV, cover letter (in English) to be sent to Kateřina Šromová, katerina.sromova@upol.cz

Application deadline: as soon as possible