



**CZ-OPENSREEN: National Infrastructure of Chemical Biology,
Institute of Molecular Genetics of the Czech Academy of Science,
Prague, Czech Republic**

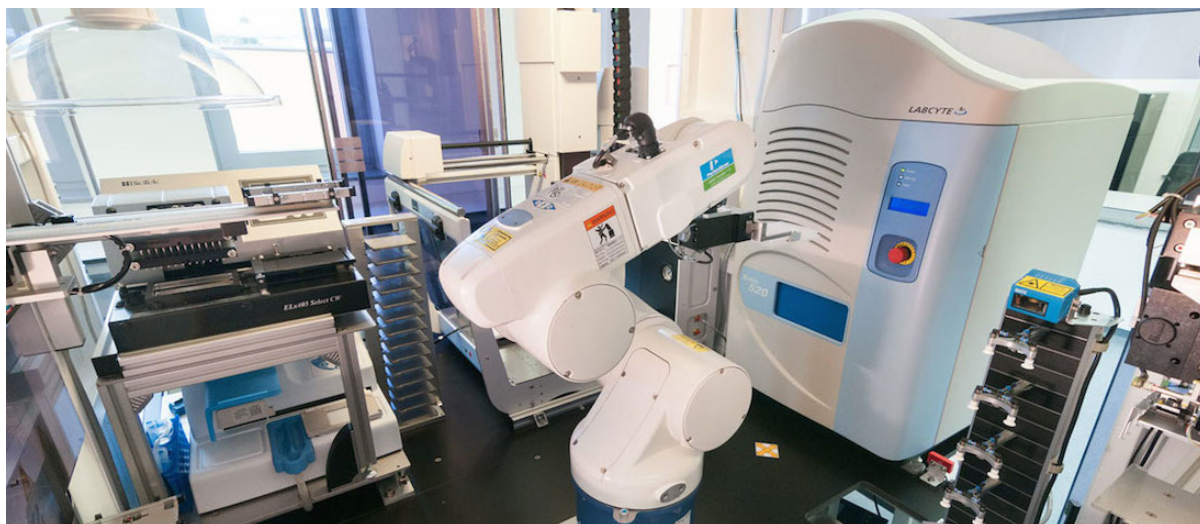
New Anti-inflammatory Substances for Treatment of Chronic Inflammation and Pain

Project

A multi-disciplinary project focusing on the development of food supplements with protective anti-inflammatory properties and new drug candidates for treatment of chronic inflammation and pain. The project is tightly interconnected with activities of academic research groups and private companies organized in the European consortium consisting of 21 institutions. The project is supported by a 4-year Horizon 2020 grant.

Laboratory

CZ-OPENSREEN is a large research infrastructure committed to study small chemical molecules in the context of biological systems. The main scientific mission of CZ-OPENSREEN is to develop new low-molecular probes for basic research and to produce candidates for the development of new therapeutics. To achieve this goal, the laboratory employs advanced instruments for chemical biology and high throughput screening (HTS), integrated in the state-of-the-art robotic systems for compound management and compound profiling. Project-oriented daily work is ensured by a dedicated team of people including molecular biologists, biochemists, cheminformaticians, lab automation specialists and software developers.



Job description

- Design and development of cellular assays for pathways controlling inflammatory processes.
- Profiling of unique compound libraries of natural origin using HTS robotic systems, workflows and know-how available at CZ-OPENSREEN.
- Data analysis, data mining of complex data sets with respect to chemical structures, building of SAR models.
- Presentation of results at regular project meetings.

Required skills/qualification

- MSc or PhD in biochemistry, molecular/cell biology or related biomedical areas.
- Knowledge of cell signaling and biochemical pathways.
- Experience in cell culture techniques, DNA cloning, electrophoresis, western blotting, reporter assays etc.
- Good social skills - the ability to collaborate with other team members is a crucial requirement for this position.
- Organization skills and effective time planning. Ability to work systematically.
- Independence, creativity, flexibility, and critical thinking.
- Good verbal and written communication skills in English.

Salary and additional information

€ 1900 – 2500 depending on applicant's qualification and experience
(includes health and social insurance)

Social benefits

5 weeks of vacations, sport facilities (squash, volleyball, basketball and fitness) are available at the campus. Guest house at the campus to ensure temporary accommodation at the beginning of the contract period.

Employment type: Full-time contract

Application period: February 2021

Expected starting date: March – May 2021

How to apply

The job application should consist of Cover letter and structured CV to be sent to Mrs. Jana Brazinova (jana.brazinova@img.cas.cz).

For further information about our infrastructure and institute, please visit the following websites:
www.openscreen.cz, www.img.cas.cz.
