PostDoc position - Drug Discovery and Evaluation Unit

Closing date: 5.3.2019

The Drug Discovery and Evaluation Unit at Charles University, Faculty of Science - BIOCEV is seeking a highly motivated and versatile postdoctoral scientist. The successful candidate will join a multi-disciplinary team of scientists engaged in an exciting drug discovery collaboration. The position is to develop cell- and target-based assays to support drug discovery programs, identify targets and compounds mode of action and investigate disease relevant mechanisms. The BIOCEV Drug Discovery and Evaluation Unit mission is to discover and expedite the development of new antiparasitic drugs for unmet medical needs. This new research group operates in the frame of the Center for Research of Pathogenicity and Virulence of Parasites.

BIOCEV, Biotechnology and Biomedicine Center of the Academy of Sciences and Charles University in Vestec, opened in 2016, offers state-of-the-art infrastructure with cutting-edge equipment.

Responsibilities include:

• Developing relevant, novel and innovative cell-based and biochemical assays to address project challenges and support drug discovery projects. Applying these assays to screen and profile cellular activity of novel compounds and to interrogate target biology/disease relevant mechanisms
• Engaging in exciting target identification and validation to verify the mode of action of novel compounds
• Culturing protist parasites (and human host cell lines) and using modern technologies to generate new cell lines
• Critically analyse project data and contribute ideas that will drive projects forward
• Contributing to publication process and presenting at international conferences
• Work in an interdisciplinary team to support our research strategies and project goals

Required attributes:

• A PhD or equivalent industry experience in molecular biology, biochemistry, chemical biology or a related discipline is required
• Prior experience in drug discovery preferred but not essential
• Outstanding academic or industrial track records are strongly desired
• Strong background in cell biology, molecular biology and biochemistry techniques is required
• Competence in culturing cells in Category 2 facilities is desired, but not essential
• Experience with genetic manipulation of cells is desired
• Experience with assays and technology for target identification and compounds mode of action will be a plus
• Demonstrated excellence in independently planning, executing experiments, data analysis and recordkeeping.
• Excellent verbal and written communication and interpersonal skills to work within an interdisciplinary team
• Exceptional time management, organisational and self-motivational skills

The post is initially for 1 year with the expectation of a longer term extension and available from 15.4.2019.

A few facts about Prague:
BIOCEV is situated in Vestec, approximately 16 km from the center of Prague. Prague is a gem of a city with its maze of cobbled lanes and hidden courtyards, the scenic river Vltava, a hilltop castle and art and culture all around.

Applicants must supply the following documents: Cover letter, CV including list of publications and at least one reference (from previous employer).
For informal enquiries please contact Lenka Pachmanová, Center for Research of Pathogenicity and Virulence of Parasites project coordinator, by email: lenka.pachmanova@natur.cuni.cz