

The Luxembourg Institute of Health is advertising 6 fully-funded positions for Ukrainian scientists

The Luxembourg Institute of Health ([LIH](#)) is a public biomedical research organization focused on precision health and invested in becoming a leading reference in Europe for the translation of scientific excellence into meaningful benefits for patients. LIH places the patient at the heart of all its activities, driven by a collective obligation towards society to use knowledge and technology arising from research on patient derived data to have a direct impact on people's health. Its dedicated teams of multidisciplinary researchers strive for excellence, generating relevant knowledge linked to immune related diseases and cancer.

HOW TO APPLY: Applications including the **reference of the position** and a **resume** should be sent to lih.recruitment@lih.lu

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| <p>REF:GF-LIH01 – 6-month Internship or 12 months Post-Doctoral Fellow in the Deep Digital Phenotyping research unit (DDP) lead by Dr Guy Fagherazzi in the Department of Precision Health <u>Research Focus:</u> Digital Health, Digital Biomarkers, AI, Epidemiology, Clinical Research <u>Short project description:</u> Identification of digital vocal biomarkers for chronic disease monitoring <u>Skill requirements:</u> Training in data science/AI, English writing skills</p> | <p>REF:PN-LIH04 – 6-month Internship (DIOMEDES) in the group of Multiomics Data Science (MODAS) by Dr Petr Nazarov in the Department of Cancer Research <u>Research Focus:</u> Deconvolution of transcriptomic profiles with focus on treatment resistance signatures <u>Short project description:</u> application of deconvolution methods to bulk and single-cell RNA-seq data from glioma patients in order to identify components that could be linked to drug resistance <u>Skill requirements:</u> BSc or MSc</p> |
| <p>REF:CH-LIH02 – 24-month Post-Doctoral Fellow (starting time : October-November 2022) in the group of Molecular & Translational Allergology (MTA) lead by Dr Christiane Hilger in the Department of Infection and Immunity <u>Research Focus:</u> Mechanism of allergic sensitization, anaphylaxis, respiratory allergy <u>Short project description:</u> Advancing diagnosis and treatment of pediatric asthma by digital technology and deep immunophenotyping <u>Skill requirements:</u> PhD in immunology, Training in immunology, Flow Cytometry, Omics data analysis, excellent English writing skills</p> | <p>REF:OK-LIH05 – 6-month Internship or Post-Doctoral Fellow (IIP Transit) in the group of Translational Radiomics (Research group) by Dr Olivier Keunen in the Department of Cancer Research <u>Research Focus:</u> Machine/Deep Learning, Computer Vision <u>Short project description:</u> Implement Deep Learning models for image-to-image translations <u>Skill requirements:</u> PhD in computer science or equivalent experience, Deep Learning models design, training & optimization (CNN, GAN...)</p> |
| <p>REF:MS-LIH03 – 6-month Internship in the group of IT Expertise in Health Data lead by Dr Michael Schnell in the Data Integration and Analysis Unit <u>Research Focus:</u> Data science, Machine learning <u>Short project description:</u> Improve an AI model <u>Skill requirements:</u> PYTHON, SSIS, TENSOR flow classification</p> | <p>REF:PN-LIH06 – 6-month Internship (Predictamil) in the group of Bioinformatics platform (BIOINFO) by Dr Petr Nazarov in the Data Integration and Analysis Unit <u>Research Focus:</u> Data science, Machine learning, Programming <u>Short project description:</u> Development of ShinyApp for deconvolution and data analysis in genomics <u>Skill requirements:</u> BSc, MSc, R programming, knowledge of Shiny is an asset</p> |