EURO-CHOLANGIO-NET COST Action CA18122

**“COST for MSCA” PROGRAM – AVAILABILITY FORM FOR HOSTING LABORATORY**

This availability form has to be mailed to: melissa.kerr@uniroma1.it by **April 30, 2023**

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| NAME OF HOSTING MENTOR  *(last, first, middle, title)*  *assist. prof. dr. Tadeja Rezen* | | |
| INSTITUTION / ORGANIZATION  Name: University of Ljubljana, Faculty of Medicine  Mailing Address *(street, city, state/province, postal code, country)*  Vrazov trg 2, 1000 Ljubljana, Slovenia | | |
| TELEPHONE / FAX *(country code, area code & extension)* | | EMAIL ADDRESS  tadeja.rezen@mf.uni-lj.si |
| TEL:+38615437592 | FAX:+38615437670 |
| WEBPAGE: http://cfgbc.mf.uni-lj.si/tadeja-rezen-personal/ | | |

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| **RESEARCH FIELD** *(please insert here a brief summary of the research interests of your lab).*  Our group uses omics and systems medicine tools to study metabolic liver diseases, primary liver cancers and circadian rhythm. Our focus is in understanding the role of different factors, such as circRNA and disruptions of circadian rhythm, in the progression of liver diseases with a special focus on gender bias. We work with patients’ samples, animal models and cell lines. We have a small biobank of liver samples for studies in RNA biomarkers. One of the goals of our current project in HCC is development of RNA-based therapeutics. |

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| **SKILLS** *(please list here the skills – technical and soft – that a potential fellow could learn in your lab)*  We are offer training in (1) transcriptome analyses of clinical and experimental samples using Nanopore long-read sequencing; (2) functional analyses of circRNA in cell lines and measure the expression of circRNA in clinical samples; (3) circadian experiments in cell lines and in humans, testing how different factors affect the circadian rhythm; (4) basic biochemistry, molecular biology and data analysis with practical application in medicine. The postdoctoral students are invited to gain teaching experience by mentoring students, performing lectures and organize scientific meetings. They are encouraged and expected to have a high degree of independence in project management and implementation. Our current projects have interdisciplinary teams with computer scientists and clinicians as projects members. |

**MENTOR** *(please list here your previous experience in mentoring post-doctoral fellows including MSCA fellows)*

*Number of PhD students supervised: 1 finished, 3 in progress*

*Number of Postdoctoral Fellow supervised: 0*

*Number of MSCA Fellows supervised: 0*

*Other (please specify): 10 finisehd undergraduate students*

**INSTITUTION/ORGANIZATION** *(please briefly write here the support your Institution/Organization has established for foreign postdoctoral fellows)*

*University of Ljubljana has an international office dedicated to help foreign fellows with the accommodation and practical family matters. It is also a part of EUTOPIA alliance and global alumni network (https://www.uni-lj.si/study/smul/).* *UL MF has all the necessary equipment for any general biochemistry and molecular biology technique for any type of isolation or analysis of nucleic acids, proteins and metabolites, including ultracentrifuge, Nanosight for nanoparticle Tracking Analysis (NTA), the Illumina NGS sequencers the Nanopore sequencer GridION, Nanostring, 10X Genomics and Nadia Dolomite for single-cell analysis. Fully equipped cell culture laboratory registered for GMO2. We have access to the supercomputers and computational servers.*