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  *Verstegen, Monique Maria Andrea, PhD* | | |
| INSTITUTION / ORGANIZATION  Name  Erasmus MC – University Medical Center Rotterdam  Mailing Address  Wytemaweg 80  Dept. of Surgery  Room NA-1007  3015 CN, Rotterdam  The Netherlands | | |
| TELEPHONE / FAX *(country code, area code & extension)* | | EMAIL ADDRESS  M.verstegen@erasmusmc.nl |
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| WEBPAGE: www.erasmusmc.nl | | |

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| **RESEARCH FIELD** *(please insert here a brief summary of the research interests of your lab).*  The Laboratory of Experimental Transplantation and Intestinal Surgery (LETIS) accommodates experimental and translational research on tissue injury, infection and regeneration of liver grafts during organ transplantation with a strong focus on organoid technology, disease modeling and tissue engineering. Moreover, we study the mechanisms in regeneration of biliary epithelium after injury and primary liver cancer using the liver-organoid culture system. A special focus is on the role of the extracellular matrix (ECM) in liver regeneration and primary liver cancer. |

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| **SKILLS** *(please list here the skills – technical and soft – that a potential fellow could learn in your lab)*  Besides learning about another culture, and how another institute than the one you are used to works, specific lab skills that are well established in our lab can be learned. This includes the liver-derived organoid cultures, including the initiation, expansion and use of tumor (cholangiocarcinoma) organoids, decellularization technology (whole liver, bus also biopsies of diseased liver including tumors) and subsequent ECM analysis (rheology, nano indentation). Also immunohistochemistry on tissue/organoid or ECM sections, viral transduction of organoids and co-culture of organoids with fibroblasts and/or macrophages, and ECM. We can show machine perfusion technology for liver transplantation purposes, and teach molecular biological skills (RT-qPCR, single nucleus- and single cell RNA sequencing). |

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

*Number of PhD students supervised: 9*

*Number of Postdoctoral Fellow supervised: 4*

*Number of MSCA Fellows supervised: 0*

*Other (please specify): mentorship Postdoctoral fellow Cost Action CA18122 (2020-2021)*

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

We are a very international oriented institute. Our laboratory (Laboratory for Experimental Transplantation and Intestinal Surgery – LETIS) has a very inclusive and diverse acceptance policy and we hosted many (>20) foreign researchers at any stage of their training. From master students through Erasmus+ exchange programs (Italy, Greece), to visiting scientists (PhD students and post docs) from other institutes in an outside the Netherlands. Sometimes to learn a technique, and other times to stay for an internship, varying from a week to a year. We provide an excellent learning environment and are welcoming guests at a regular basis. Our aim is also to send our own PhD students and post docs out to learn skills at another institute and love to collaborate with groups all over the world.