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)*Vicent, Silve, PhD |
| INSTITUTION / ORGANIZATION NameCenter of Applied Medical Research (CIMA-University of Navarra)Mailing Address *(street, city, state/province, postal code, country)*OnTarget Lab, 2.01CIMA building55 Pio XII Avenue31008 Pamplona, NavarraSPAIN |
| TELEPHONE / FAX *(country code, area code & extension)* | EMAIL ADDRESSsilvevicent@unav.es |
| TEL: +34 948194700 | FAX: +34 948194714 |
| WEBPAGE: |

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| **RESEARCH FIELD** *(please insert here a brief summary of the research interests of your lab).*The **goal of the OnTarget group** is to understand the cellular and molecular mechanisms involved in mutant KRAS-driven oncogenesis, with a special focus on lung and gastrointestinal (pancreas and biliary tract -cholangiocarcinoma) cancers, around varios unresolved aspects of KRAS biology: the identification of critically functional mediators of cancer initiation and progression, the discovery of novel therapeutic approaches, and the characterization of resistance mechanisms to targeted therapies.To do this, we have 1) carried out integrative, cross-species computational approaches to unveil common effectors across mtKRAS cancers (from lung, pancreas and biliary tract), 2) generated new genetically engineered mice (GEM) and GEM-derived organoids for genetic and pharmacological studies in the same three tumors, and 3) identified combinatorial therapeutic strategies for KRAS-driven tumors, including the development of a novel drug repurposing strategy coupled to pairwise drug screening.We have **outside academic inputs from international experts** in the lung cancer (Chiara Ambrogio, PhD; Luis Paz-Ares, MD/PhD; Colin Lindsay, MD/PhD; Alejandro Sweet-Cordero, MD/PhD) in the pancreatic cancer (Pawel Mazur, PhD; Jens Siveke Corbo, PhD; Joaquin Arribas, PhD. Our group is also part of the Respiratory Tract Tumors of the Spanish Cancer Network (CIBERONC), the Pancreatic cancer organoid Research consortium (PRECODE) and the European Network for the study of Cholangiocarcinoma (ENS-CCA). We have **ongoing collaborations with pharmaceutical companies** **and start-ups** (ROCHE, Revolution Medicines, Peptomyc, LiberaBio). |

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| **SKILLS** *(please list here the skills – technical and soft – that a potential fellow could learn in your lab*Technical* In vivo work (mouse genetics, cell line-derived xenografts, syngeneic immunocompetent models, patient-derived xenografts +/- treatments with targeted therapies and/or immunotherapy) and tumor growth/metastasis monitoring (bioluminescence, microCT, ultrasound).
* CRISPR-based and pharmacological screens
* Multiparametric flow cytometry for immunophenotyping of tumor microenvironment populations
* 3D tumor organoids, heterotypic co-culture systems
* Large data set analyses (RNAseq, GSEA, IPA, GO, drug repurposing)
* Conventional molecular and cellular techniques, immunochemistry/immunofluorescence

Soft* Project writing and presentation skills
* Student and lab staff supervision
* Managing industry- and academic-based collaborations
* Targeting strategies for novel molecular targets (e.g. small molecules and nanobodies)
* Technology transfer capacities
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**MENTOR** *(please list here your previous experience in mentoring post-doctoral fellows including MSCA fellows)*

*Number of PhD students supervised: 6 (3 ongoing, 2 international)*

*Number of Postdoctoral Fellow supervised: 5 (3 ongoing)*

*Number of MSCA Fellows supervised: none*

*Other (please specify): 8 Master students, 3 Erasmus students*

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

CIMA has an ambitious internationalization plan to enhance the number of foreign postdocs in the upcoming years and becoming certified as one of the Excellent Research Centers with Severo Ochoa seal nationwide. Thus, there is a support plan in place to facilitate the integration and professional development of incoming postdocs. This plan will also include training in soft skills through training in transversal skills

- Scientific communication and presentation skills

- Project management and grant writing

- Interdisciplinary collaboration and team science to promote collaboration and innovation among researchers from different fields.

-Training in gender balance

-Training in data analysis and statistical methods

-BUSINESS ACCELERATION PROGRAM to improve transfer and innovation skills.