





JOINT TRANSNATIONAL CALL 2017: "Translational Research on Rare Cancers"

PARTNER REQUEST/COLLABORATION OFFER

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*** I agree with the publication of my contact data and of this form on the TRANSCAN-2 Website:**

YES



SEARCH FOR A COLLABORATOR

IF YOU ARE LOOKING FOR A PARTNER IN YOUR SUGGESTED PROPOSAL, PLEASE SPECIFY ALSO THE NEEDED EXPERTISE

Project proposal

Project title (draft):

Laryngeal cancer: Establishing in vivo models for better therapeutic intervention

Short description of the project in preparation and of the consortium; description of the areas of expertise needed (Max. 2000 words):

Laryngeal cancer patients suffer from toxicities, morbidities and mortalities, - effects that could be reduced with the use of more efficient therapies. However, therapeutic regimes, including radio- or chemotherapy (cisplatin, carboplatin or 5-fluorouracil treatments) have not been improved since the last 50 years. In spite of some advancements in therapies, the survival rate during 5 years remains around 40%. Therefore there is an urgent need for discovery of novel efficient drugs against laryngeal cancer. Particularly, streamlining the complex processes of drug development could make a beneficial impact by identifying the most effective and less toxic drugs. Yet, there is a lack of models for either culturing human cells derived from laryngeal cancers or for performing animal studies enabling to reproduce in vivo the laryngeal tumor growth. For this TRANSCAN call, we aim to establish laryngeal cancer models by growing cancer cells from human biopsies in form of organoids in vitro and to establish an in vivo model. Biological and metabolic properties, including drug response of cancer cells will be evaluated in order to define the most appropriate and efficient way to test drugs and their combinations in specific patients. Drug testing will include both conventional chemotherapeutic agents and novel potential chemicals demonstrating promising effects for laryngeal cancers.

Task to realize:

- Organoids establishment
- In vivo model
- Drug testing in the model

We offer our expertise of organoids establishment and search for an in vivo model and drug testing expertise groups



OFFER FOR COLLABORATION

IF YOU PROPOSE YOURSELF AS A PARTNER IN A CONSORTIUM, PLEASE DETAIL YOUR EXPERTISE

Short description of the areas of interest and expertise (Max. 2000 words):