

Postdoctoral research position in the field of tumor microenvironment and cellular cross talk in lung cancer

The Max Planck Institute for Heart and Lung Research, Department of Lung Development and Remodeling in Lung Microenvironmental Niche in Cancerogenesis and Institute for Lung Health (ILH), Justus- Liebig-Universität Gießen offer the position of a postdoctoral research fellow (m/f/d).

Our group's aim is to develop novel treatment strategies for lung cancer, studying the molecular mechanisms, tumor microenvironment, immunotherapy and lung tumor imaging. Our international team offers an open, supportive, dynamic and motivating academic environment with excellent training opportunities. We use a wide spectrum of methods: cloning, cell culture, co cultures (2D and 3D), RNAseq, scRNAseq, FACS, ELISA, cell-based assays (proliferation, apoptosis, migration, invasion etc.), immunohistochemistry, multicolor immunofluorescence, confocal microscopy, image analysis, lung tumor xenograft/orthotropic and transgenic mouse models. Recent references: Salazar Y et al., J Clin Invest. 2020; Sarode et al., Sci Adv, 2020; Pullamsetti SS et al., Sci Transl Med. 2017; Schmall A et al., Am J Respir Crit Care Med. 2015; Savai R et al., Nat Med. 2014.

Place of work will be Bad Nauheim; the position is available immediately. We are looking for enthusiastic and highly motivated applicants. Essential requirements for postdoctoral position applicants should have a PhD or equivalent in a relevant subject with the appropriate experience and track record. Good knowledge of tissue culture, molecular and cellular biology approaches, biological assays and cancer biology in general is essential. A demonstrated ability to communicate well, work within a team and maintain good laboratory records are also expected. Preferences to co-culture systems, microscopy, mouse handling, mouse genetics, primary cell culture and cancer models will be advantageous.

Your Application

Please submit 1) a cover letter briefly summarizing your research interests and career goals, 2) your CV with publications and 3) a list of 2 references, as PDF or word documents as soon as possible.

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