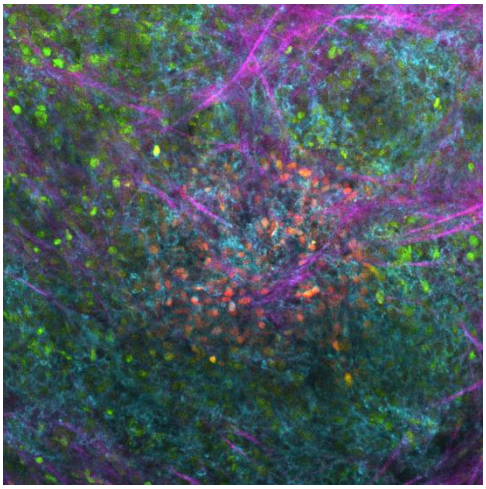
Senior microscope expert/manager position available in the van Rheenen lab at the NKI Amsterdam

(application deadline 28 February 2017)

We seek a highly motivated senior microscope expert/manager (preferable at the postdoctoral level) to investigate cancer progression with intravital microscopy. Our group studies all aspects of cancer progression by real-time visualization of individual cells in living mice. These studies include tissue development and homeostasis, cancer growth and spread and therapy resistance. For these studies, we develop and utilize high-resolution intravital microscopy to visualize individual cells in living mice.



Our group is currently based at the Hubrecht Institute, but will move October 1st 2017 to the Netherlands Cancer Institute in Amsterdam. The candidate will help to set up the new microscopy laboratory for mice imaging. Moreover, the candidate will help to further develop intravital techniques and imaging analyses, and will manage this intravital microscopy laboratory. Moreover, the candidate will be involved in all running projects, and will help to push the technical boundaries that we encounter during our studies.

Candidate qualifications: Applications are invited from highly motivated researchers with a PhD degree and a strong track record. Candidates should either have experience with microscopy or imaging analysis. Preferable we search for candidates with experience in computer coding. Applicants should be able to work independently, and should have excellent interpersonal, communication, and organization skills to work in a team on cancer.

The Netherlands Cancer Institute is a world-class research center devoted to cancer research. In this international environment, top cancer research is performed.

The van Rheenen lab is an internationally recognized laboratory that studies cancer progression with intravital microscopy. For more information, see https://www.hubrecht.eu/onderzoekers/van-rheenen-group/

Key publications:

Scheele CL, Hannezo E, Muraro MJ, Zomer A, Langedijk NS, van Oudenaarden A, Simons BD, van Rheenen J. Identity and dynamics of mammary stem cells during branching morphogenesis. Nature. 2017 Jan 30. doi: 10.1038/nature21046

Zomer A, Maynard C, Verweij FJ, Kamermans A, Schäfer R, Beerling E, Schiffelers RM, de Wit E, Berenguer J, Ellenbroek SIJ, Wurdinger T, Pegtel DM, van Rheenen J, (2015), In Vivo Imaging Reveals Extracellular Vesicle-Mediated Phenocopying of Metastatic Behavior. Cell, 161(5):1046–1057

Ritsma L*, Ellenbroek SI*, Zomer A, Snippert HJ, de Sauvage FJ, Simons BD, Clevers H, van Rheenen J, (2014) Intestinal crypt homeostasis revealed at single-stem-cell level by in vivo live imaging. Nature, 507(7492): 362-5