

MAASTRO, Maastricht Radiation Oncology, is a co-operation between MAASTRO clinic, the University of Maastricht (UM) and the University Hospital Maastricht (azM) (see www.maastrro.nl). MAASTRO consists of several divisions, including MAASTRO Clinic, which offers state-of-the-art radiotherapy to more than 3500 cancer patients each year from the mid and South Limburg area in the Netherlands. In addition, research and training at MAASTRO is carried out in MAASTRO Physics, MAASTRO Trials, MAASTRO School, and MAASTRO Lab.

MAASTRO Lab is a basic and translational research laboratory, led by Prof. M. Vooijs, embedded within the GROW research institute of the Faculty of Health, Medicine and Life Sciences (see www.GROW-UM.nl) at Maastricht University. MAASTRO has a strong track record in studying tumor microenvironment with relevance to radiation oncology. In addition, we have initiated translational and clinical studies based on our lab results including both phase I novel treatment and molecular imaging trials as well as a Biobank project with more than 1500 patients included.

The lab has four permanent scientists, 5 technicians, more than 5 PhD students and 6 Post-Docs and is fully equipped for cell culture, molecular and cellular biology (e.g. flow cytometry, hypoxia, gene expression, proteomics and microscopy) and working with animals (optical imager, *an advanced small animal irradiator with gantry*, multiple energy CT, MRI 9 Tesla and micro-PET). MAASTRO lab has set up the necessary infrastructure for controlled exposures to hypoxia and hypoxia/reoxygenation, including development of novel equipment that allows rapid and controlled changes in oxygenation. Access to expertise, equipment and resources within the much larger GROW research institute and other facilities in the University are also readily available, including the genome centre, advanced microscopy, and the animal facility. MAASTRO has a structural collaboration with the VU in Amsterdam on molecular PET biomarkers, with the TU/Eindhoven on Systems Biology and a close collaboration with the University of Toronto on research related to imaging and tumor hypoxia.

MAASTRO-lab has a vacancy for a Post-Doc position

Post-Doc in molecular- or cellular biology focussed on research related to tumor and/or hypoxia specific liposomes loading therapeutics (M/F)

In this position you will be responsible for carrying out basic and/or translational research of relevance to oncology focussed on targeted therapeutic efficacy of tumor and/or hypoxia specific liposomes loading drugs or siRNA in the context of a large European consortium (FP7: Metoxia). This project will be complemented by liposome based imaging studies. You will pursue the research program together with Prof. Philippe Lambin & Dr. Ludwig Dubois, the leaders of the project group. Furthermore, you will participate to the meetings and the activities of the European consortium "METOXIA", you will collaborate with Dr. Jean-Yves Winum from the "Institut des Biomolécules Max Mousseron (University of Montpellier) and you will participate in research activities within MAASTRO, the research institute GROW and the faculty.

We are looking for a Post-Doc with training and experience in molecular biology (main criterion) or cellular biology. Candidates should have a proven track record or demonstrate a strong potential to function as an independent investigator, with peer-reviewed scientific publications. Candidates should have strong social skills, the ability to work in a multidisciplinary environment and should be highly ambitious with a strong interest in basic and translational oncology. They should have a PhD or should have an approved PhD thesis. The ability to speak Dutch and experience with Radiation Oncology is a plus but not a prerequisite. Approval (Art. 9) and experience in working with animals is highly preferred. We are looking for a positively minded scientist motivated to learn new approaches and ready to spend some time abroad for complementary training. Experience in collaboration with clinicians and with European networks is a plus but is not a prerequisite.

Conditions of Employment and salary are based on the Collective Labour Agreement for Dutch Universities (CAO-Nederlandse universiteiten). You will receive a *two years* contract on a fulltime basis (36 hours/week). Your salary will be according to the scale of function group 10 or 11, minimum € 2916,00 and maximum € 4284,00 gross per month on a fulltime basis, depending on your relevant experience.

Further information will be gladly given by Ludwig Dubois phone: +31-(0)43-388 2909/2453 or email: ludwig.dubois@maastrichtuniversity.nl. Please also visit www.maastrro.nl and www.grow-um.nl.

Your application letter, Curriculum Vitae and listing of publications can be sent before the 1st of April 2011 to the attention of Patrick Janssen, Manager Personnel, Organisation and Development, P.O.Box 616, 6200 MD, Maastricht, The Netherlands or by e-mail: Patrick.janssen@maastrichtuniversity.nl.