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MAASTRO, Maastricht Radiation Oncology, is a co-operation between MAASTRO clinic, the University of Maastricht (UM) and the University Hospital Maastricht (azM) (see www.maastro.nl). MAASTRO consists of several division, 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. MAASTRO clinic is also world-wide reference centre for Siemens Medical. 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 embedded within the GROW research institute of the Faculty of Health, Medicine and Life Sciences at Maastricht University. Research carried out in the past has been focused on the tumour microenvironment and EGFR signalling pathways, both of relevance to radiation oncology. MAASTRO Lab has made several important discoveries in these fields, including demonstration that EGFR is up regulated by radiation and that hypoxia inhibits the initiation step of mRNA translation. In addition, we have initiated translational and clinical studies based on these results including both phase I novel treatment and molecular imaging trials as well as a Biobank project with more then 1500 patients included.

The lab has 4 permanent scientists, 5 technicians, more then 5 PhD students and is fully equipped for cell culture, molecular biology, flow cytometry, hypoxia, gene expression, proteomics and microscopy. 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 precise 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 with its imaging facility (Optical imager, MRI 7Tesla and micro CTPET to come). MAASTRO has a structural collaboration with the VU in Amsterdam on molecular PET biomarkers, with the TU/Eindhoven on Systems Biology and is initiating a new collaboration with the University of Toronto on research related to the Unfolded Protein Response and tumour hypoxia.

MAASTRO lab has a vacancy for a

Senior scientist, Head of Laboratory Research in molecular oncology (M/F)

Vac.nr. 2007.009/KC

In this position you will be responsible for carrying out basic and translational research that is of relevance to radiation oncology in the broadest possible scope. You will initiate an independent research program based on demonstrated skills and expertise in fundamental aspects of biology. In addition, you will be chiefly responsible for the scientific research and training within the lab of experimental Radiation Oncology (MAASTRO lab). As head of research you will manage the laboratory scientific research, direct the research policy, and participate actively in ongoing and newly initiated research lines and projects. Successful grant applications to prestigious (inter)national organizations to support expansion of research activities will constitute an important part of your work.

Depending on experience, the process to appoint you as professor or associate professor at the faculty of Health, Medicine and Life Sciences from Maastricht University will be started. You will participate in research and educational activities within the faculty. The emphasis in this faculty appointment is on *microenvironment of solid tumours and cell signalling (EGFR)* but there is room for your specific area of expertise.

We are looking for a senior scientist with training and experience in basic molecular biology, biochemistry, cell biology or related area. Candidates should have a proven track record or demonstrate a strong potential to function as a principal investigator, with high impact scientific publications and several large operating scientific grants. Candidates should have experience and knowledge of molecular oncology and have a recognized expertise within a specific research area relevant to radiation oncology. Experience in radiation biology,

collaboration with clinicians and ability to speak Dutch is a plus but is *not* a prerequisite. Preferably candidates will have experience in research group management. In addition, candidates should be capable of formulating strategic goals for their research program in line with the organisational strategy.

Conditions of Employment and salary are based on the Dutch Collective Labour Agreement for Hospitals (CAO-Ziekenhuizen). You will receive a permanent contract on a fulltime basis (36 hours/week), depending on your relevant experience.

Further information will be gladly given by Prof. Philippe Lambin, head of the Dpt of Radiation Oncology azM (e-mail: philippe.lambin@maastro.nl) or telephone number: +31-(0)88-4455666. Please also visit www.maastro.nl and www.grow-um.nl.

Your application letter, Curriculum Vitae and listing of publications can be sent before the XXXX of XXXXX 2008 to the department of Personell to the attention of mrs. M.T.V. Vaessens, pbox 5800, 6202 AZ Maastricht, the Netherlands.