

**The School of Management and Governance strives to a leading position in the field of Business and Social Sciences within the mission of University of Twente. The school's education focuses on Business Administration, Industrial Engineering and Management, Public Administration, Health Sciences, Science & Technology and Business & IT. Scientific research focuses on themes such as management and governance of innovation and technology, governance-issues and entrepreneurship. Applied research is carried out in various branches, such as industry, health care, higher education, banking, and services business. Research is accommodated within the research institutes of the university, such as IGS, CTIT, MIRA, MESA+ and Impact. The school has approximately 360 staff members and 2,200 students.**

The department for Health Technology and Services Research (HTSR) researches the effectiveness of new medical technology, facilities and forms of care. Research involves specialist medical fields, including laboratory diagnostics, acute care, oncology and youth health care. The research group maintains close contacts with various health care institutions, such as academic and large teaching hospitals. The Health Services group is also responsible for tertiary courses and educational programmes in health care sciences, biomedical technology and technical medicine. More information about HTSR, see [www.mb.utwente.nl/htsr](http://www.mb.utwente.nl/htsr). Within the Health Technology & Services Research group we have a vacancy for a

## **Assistant Professor ORGANIZATION OF LABORATORY AND POINT-OF-CARE DIAGNOSTICS (FULL-TIME)**

### **The challenge**

Laboratory investigation of blood and other body fluids is an important diagnostic tool. A large majority of people entering the curative health care system will undergo blood test in order to assist physicians to come to diagnostic conclusions and to follow the course of disease. Tests are being conducted in clinical laboratories in hospitals, diagnostic centres as well as in general practitioners offices.

Since today's healthcare is confronted with a strong urge to increase effectiveness and efficiency, also diagnostic laboratories will increasingly feel the pressure to reduce costs and increase their output. The Dutch clinical laboratories are currently looking for innovative forms of organization. This creates great partnerships, some being outsourced, that pursue a strong strategic position. Besides the laboratories in hospitals and diagnostic centers several international commercial laboratory organizations are active throughout the U.S. and Europe. This raises questions about the nature of organization, the funding system and position of laboratory diagnostics. Point of care technology may be crucial in this. The costs of introducing this technology outside the laboratory are often unknown. Substitution of diagnostic testing from central laboratories to the general practitioners office is advocated, but the organizational and economic effects are not investigated yet.

### **Your profile**

You have considerable experience with both academic research and teaching. We foresee that about 50% of your time may be used for research and the other 50% for teaching. With respect to the teaching efforts we request the candidate to take responsibility for at least 2 undergraduate courses in the Health Sciences (gezondheidswetenschappen) program as well as the supervision of several undergraduate and graduate students in health sciences.

For this position we are looking for someone with an experience in (healthcare) operations management and/or the application of quantitative economic models and decision analysis. The candidate holds a PhD degree in a relevant area such as technical business administration or health economics. Knowledge of the (Dutch) healthcare system is recommended. Affinity with laboratory diagnostics is an advantage. You are able to create a new line of research, set up (inter) national collaborations and aim to excel in this field. You're able to stimulate and supervise PhD students.

### **Our offer**

We offer a very challenging position in an inspiring multidisciplinary environment. As an assistant professor you will initially be appointed in a full-time (38 hours a week) position for a period of three

years. Depending on your performance there will be an opportunity to extend your employment and to advance your career. This research position is funded through a partnership between the University of Twente and the Netherlands Society for Clinical Chemistry and Laboratory Medicine (NVKC). The research is supervised by the chair Economics of Laboratory Diagnostics at the department HTSR. There are many excellent relations with clinical facilities required to do your research.

The salary scale, depending on your experience, extends to a maximum of € 4970 gross per month (on full-time basis), based upon the job profile of Assistant Professor 1 (in accordance with the Collective Labour Agreement for Dutch Universities). In addition, the University of Twente offers attractive employment conditions. Our research employees have opportunities to broaden their knowledge by joining international exchange programs, by participating in national and international conferences and workshops, and by visiting other research institutes and universities worldwide.

**Information and application**

For more information on this position you can contact prof. dr. Ron Kusters, e-mail: [g.c.m.kusters@utwente.nl](mailto:g.c.m.kusters@utwente.nl), phone: +31 73 5532764 (Jeroen Bosch Hospital) or +31 53 4893825 (University of Twente) or prof. dr. Maarten IJzerman, [m.j.ijzerman@utwente.nl](mailto:m.j.ijzerman@utwente.nl). To apply for this position, please fill in the application form including your resume and list of publications on [www.utwente.nl/vacatures](http://www.utwente.nl/vacatures) or [www.utwente.nl/vacatures/en/](http://www.utwente.nl/vacatures/en/) before 4 September 2011.