

## Faculty position "EXERCISE PHYSIOLOGY"

Department of Biomedical Kinesiology  
Faculty of Kinesiology and rehabilitation Sciences  
K.U.Leuven  
Belgium

The Department of Biomedical Kinesiology at K.U.Leuven makes a full-time academic position available in the field of exercise physiology, **from October 2010**, with special focus on the cellular adaptations induced by exercise and training in skeletal muscle. Candidates must have an excellent track record in this field and must prove competence for teaching courses in exercise physiology and muscle metabolism during contractile activity. The candidate will be assigned a position as an assistant professor in the tenure track system.

We are specifically interested in candidates with proven expertise with regard to physiological mechanisms involved in muscle force production and endurance, with particular emphasis on intracellular mechanisms implicated in metabolic regulation. It is essential that the candidate can translate his/her basic knowledge in this field to the applications in humans during exercise. Within this context, and in collaboration with the other members of the team, the candidate will develop research in animal as well as in humans, aiming to increase knowledge with regard to effects of acute and chronic exercise on muscle force and endurance, and the cellular mechanisms involved in producing the cellular adaptations to exercise. The candidate has extensive experience with biochemical and histochemical laboratory techniques used to study substrate metabolism, intracellular signaling pathways, and gene and protein expression in muscle cells. The candidate will also be responsible for generating external funding by grant applications, seeking for excellent research output at high international level, and participating in national and international networks in exercise physiology and muscle metabolism.

The candidate will also be responsible for teaching a number of courses in exercise physiology and biochemistry to students in physical education and physiotherapy. It is important that the candidate can translate up-to-date research data, including his/her own research, to his/her teaching assignments.

Candidates must be holder of a Ph.D. degree in kinesiology/movement sciences or of a comparable Ph.D. in the field of biomedical sciences. Affinity with the field of sport and physical activity is essential. It is expected that candidates have an extensive publication record in the aforementioned field of exercise physiology. Teaching experience in this field is a plus, because the candidate is expected to significantly contribute to the further development of the quality of the research output as well as the teaching within the department. Research experience will be evaluated based on the publication record. Research experience in an international context also is a plus.

Candidates who are not familiar with the Dutch language at the time of application, will be requested to learn the language within a period of two years, so as to be able to teach the courses assigned to him/her in Dutch.

Contact persons:

- Prof. P. Hespel, head of the research unit ([peter.hespel@faber.kuleuven.be](mailto:peter.hespel@faber.kuleuven.be))
- Prof. J. Lefevre, head of the department ([johan.lefevre@faber.kuleuven.be](mailto:johan.lefevre@faber.kuleuven.be))