

January 2012

Appointed Professor 1



Andreas Daffertshofer has per January 1st 2012 been appointed full professor in *Neural Dynamics*. The chair is hosted by the faculty of Human Movement Sciences at VU University Amsterdam for an initial period of five years.

The chair *Neural Dynamics* has a primary focus on the neural underpinnings of motor control. Understanding these processes capitalizes on recent developments in modern-days physics, in particular the theory of complex dynamical systems and synergetics in its capacity of describing the phenomena of self-organization. Paradigmatic for self-organization is the appearance of bifurcations that will be studied mathematically and assessed experimentally using imaging techniques like MEG, EEG, fMRI, PET, and TMS. Dynamic connectivity and plasticity enable self-organization that should be viewed as a result of a dynamical optimization of functionality. The optimization relates, e.g., to signal-processing like spatial and temporal pattern recognition as well as to the timing, tuning, and coordination of movement. Unraveling these dynamics will involve concepts and models in computational neuroscience like the paradigmatic networks of phase oscillators that display emergent behavior.

Appointed Professor 2



Per January 1, 2012, dr. E.A.J.M. (Bert) Schulten has been appointed full professor of Oral and Maxillofacial Surgery (OMFS) at the VU University Medical Center (VUmc) and ACTA. He graduated from dental school (1987) and medical school (1998) at VU University in Amsterdam. In 1990 he defended his PhD-thesis, entitled "Oral lesions in human immunodeficiency virus (HIV) infection: a clinico-pathologic study" at the same university. Between 1993 and 1997 he was trained as an oral and maxillofacial surgeon at the VUmc in Amsterdam. Since 1998 he is full-time staff member in the department of OMFS at the VUmc / ACTA, between 2001 and 2009 as chef de clinique. Since July 1, 2011, he is head of the training program of OMFS at the VUmc. Furthermore, he is involved in patient care mainly consisting of reconstructive surgery and dental implant surgery, and the teaching of dental students (ACTA) and medical students (VUmc). His research activities focus on bone (re)generation in the oral and maxillofacial region. He is currently involved in a ZonMW-subsidized phase I clinical study on "Bone augmentation with autologous adipose tissue-derived mesenchymal stem cells, BMP-2, and calcium phosphate carriers in a human maxillary sinus model". This research project is carried out in close collaboration with the departments of Oral Cell Biology (ACTA) and Orthopedic Surgery (VUmc) within the Research Institute MOVE.

March 5, 2012

PhD Thesis Presentation

Ilona Pintér

Endpoint control in fast point-to-point elbow rotations

VU University Amsterdam, Medical Faculty Building, A301, 2 pm

March 9, 2012

6th VUmc Science Exchange Day

VUmc, Amstelzaal and Foyer, 11 am - 5.30 pm

March 23, 2012

Peak Performance in Sport and Science

Complete program yet to be announced

VU University Amsterdam, Auditorium, 9.30 am – 5.30 pm

March 30, 2012

MOVE pre-lustrum get together

VU University Amsterdam, OZW Building, 4 – 6 pm.

April 10, 2012

PhD Ceremony

Ilona Pintér

Endpoint control in fast point-to-point elbow rotations

VU University Amsterdam, Aula, 1.45 pm

June 15, 2012

Inaugural Lecture

Andreas Daffertshofer

Exact title yet to be announced
VU University Amsterdam, Aula, 3.45 pm

January 2012

MOVE celebrates unofficial lustrum

MOVE was officially established as one of VU University's (Interfaculty) Research Institutes per January 1st 2008. However, the Deans from the participating faculties had unofficially already started MOVE as per April 1st the previous year. To celebrate our 5-years anniversary for the unofficial kick off for MOVE, we invite you to join us for an informal social gathering for all MOVE members in the afternoon of Friday March 30th 2012. During this gathering we will make a short inventory of our successes during our first 5 years, our current status and how we can position MOVE as *the* top Research Institute in our field. Please reserve the date in your diary and come and join us in our celebration on the 30th of March at 4 pm in the cafe on the ground floor of the OZW Building on the Campus!

Gert Kwakkel receives Research Fellow



Gert Kwakkel has, for his ERC Advanced Grant and his research on the role of brain plasticity for recovery of body functions and activities after stroke, received a personal VU University Fellowship. This fellowship entitles Professor Kwakkel to appoint talented students as his Fellows for a number of years. Click [here](#) for more information.

New Members:



David Mann PhD – *Looking at movements: Can we train to aim by fooling the brain?* Research Group: Prof.dr. G. Savelsbergh and Dr. J. van der Kamp (*Funding: NWO Rubicon Grant*)



Ben Nelemans - *Developmental biology of the intervertebral disc.* (Co-)promoter: Prof. Stefan Schulte-Merker (Hubrecht Institute) and Dr. Th. Smit (*Funding: VICI Research Grant*)



Manuel Schmitz - *Mechanics of Morphogenesis.* (Co-)promoter: Prof.dr. G. Koenderink (FOM-Institute AMOLF) and Dr. Th. Smit. (*Funding: VICI Research Grant*)

July 2 - 5, 2012

Conference on Optimizing performance in dynamic environments

VU University Amsterdam, Medical Faculty Building, G-613

September 26, 2012

4th Annual MOVE Research Meeting

Complete program yet to be announced
ACTA building, Ground Floor, 1 – 6 pm

July 5-9, 2014

19th annual Congress of the European College of Sport Science (ECSS)

VU University Amsterdam, Main Building