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INTRODUCTION MOVE RESEARCH INSTITUTE AMSTERDAM

MISSION
The mission of MOVE Research Institute Amsterdam is to conduct excellent scientific research on human movement and the movement apparatus of healthy individuals and patients, with the long-term aim to improve, maintain and/or repair the moving function.

VISION
To live is to move: as human beings we need to move in order to survive and to fully enjoy our lives. The ability to move is not self-evident, as can be seen in patients with limited mobility as a result of e.g. osteoporosis, arthritis, cerebral palsy, stroke or trauma. Healthy humans (children, elderly, athletes, workers) also often need to optimize movements because of healing after disease, enhancing repair and regeneration, improving performance in sports and/or preventing damage.

MOVE seeks to contribute to solving these movement-related issues by conducting translational scientific research on human movement and the movement apparatus. This implies that knowledge from fundamental and applied scientific research will be integrated. Both types of research are equally important: questions from applied fields will often be leading for the integration process and, where possible, will be coupled to specific diagnostic groups or types of sports. Conversely, basic insights may lead to innovations in the applied fields, e.g. more effective treatments or reparations and/or rehabilitation or intervention programmes for patients, training preparation and match strategies for athletes and (mechanical and/or training) aids for the elderly and for chronic patients.

MOVE especially seeks to facilitate translational research to further underpin existing proof of concepts on ageing and within the domains of regenerative medicine, rehabilitation and sports. MOVE comprises abundant fundamental and applied knowledge and expertise in these domains to conduct excellent and innovative translational research on topics with high societal relevance.

OBJECTIVES
MOVE’s objectives are:
• to be a national and world leading institute on translational research on human movement and the movement apparatus;
• to integrate fundamental and applied knowledge by gathering knowledge on human movement relevant for the MOVE themes: (oral) regenerative medicine, rehabilitation and sport;
• in the long term: to improve, maintain and/or repair the ability of healthy individuals, the elderly and patients to move optimally given the prevailing constraints and to preserve mobility;
• to let the questions from the applied fields (e.g. the clinic or sport) and/or industry be leading in this integration process to increase the societal impact of MOVE’s domains;
• to become even more successful in acquiring (inter)national grants;
• to incorporate new developments in genetics and molecular biology, cell biology, (neuro) imaging and information technology, neurosciences, medical technique, physics, systems biology, dentistry and (oral) regenerative medicine in MOVE’s research programmes;
• to create an inspiring research climate by facilitating internal and external collaboration.
A directorate, consisting of a director and two members from the different participating faculties, the Faculty of Human Movement Sciences (HMS), the Medical Faculty of the VU University (VUmc), Academisch Centrum Tandheelkunde Amsterdam (ACTA), and is responsible for the daily management of the MOVE Research Institute Amsterdam, mandated by the board of Deans from the participating faculties (Figure 1). The directorate is supported by a coordinator.
A policy committee, consisting of members from the participating faculties, advises the directorate on research strategies and ambitions for future research. The high quality of the scientific research is guarded by a research committee consisting of members from various disciplines from the different participating faculties. An external advisory council, consisting of 5 experts in the field of human movement sciences from outside MOVE, advises the directorate and board of Deans on all aspects of policy and research related matters. The research carried out within MOVE is coordinated by the leaders of the three MOVE themes. The theme leaders coordinate the strategy and developments within the three research themes. The research strategy is discussed with and approved by the MOVE Directorate.

RESEARCH COMMITTEE MOVE

The MOVE Research Committee judges research proposals on their scientific merits, practical feasibility and suitability within MOVE’s mission. Furthermore, the committee supports MOVE members by helping them to further improve the quality of their funding applications.

The following proposals require approval by the Research Committee:

- Proposals of substantial magnitude (PhD projects, Postdoc projects of minimally 2 years), financed by direct funding allocated to MOVE;
- Proposals which require MOVE matching;
- Proposals which require approval of the Scientific Director of the Research Institute;
- Proposals for (internal) competitive rounds within MOVE.

The members of the MOVE Research Committee are:

Prof. dr. Jaap van Dieën (Chair)
Prof. dr. ir. Jaap Harlaar
Prof. dr. Jenneke Klein-Nulend
Prof. dr. Frank Lobbezoo
Dr. Raoul Oudejans
Prof. dr. Jeroen Smeets
A list of all MOVE members is provided in Appendix 1.

### Table 1: FTE (including PhD students) per type of funding (for research) per year

<table>
<thead>
<tr>
<th>FTE</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total fte (including PhD students)</td>
<td>74.00</td>
<td>79.99</td>
<td>79.87</td>
<td>88.44</td>
<td>112.88</td>
</tr>
<tr>
<td>Direct funding</td>
<td>49.41</td>
<td>48.66</td>
<td>43.37</td>
<td>44.38</td>
<td>50.98</td>
</tr>
<tr>
<td>Research grants</td>
<td>16.11</td>
<td>17.58</td>
<td>18.02</td>
<td>18.06</td>
<td>25.42</td>
</tr>
<tr>
<td>Contract research</td>
<td>8.48</td>
<td>12.55</td>
<td>18.08</td>
<td>26.00</td>
<td>36.48</td>
</tr>
</tbody>
</table>

**Figure 2: FTE (including PhD students) per type of funding 2008 - 2012**
Table 3: FTE per Participating faculty

<table>
<thead>
<tr>
<th>Participating faculties</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Staff (incl. PhDs)</td>
<td>74.05</td>
<td>79.92</td>
<td>81.05</td>
<td>92.21</td>
<td>112.88</td>
</tr>
<tr>
<td>ACTA fte</td>
<td>16.30</td>
<td>17.28</td>
<td>14.85</td>
<td>15.90</td>
<td>27.15</td>
</tr>
<tr>
<td>VUmc fte</td>
<td>19.47</td>
<td>23.88</td>
<td>23.61</td>
<td>29.17</td>
<td>33.94</td>
</tr>
<tr>
<td>HMS fte</td>
<td>38.28</td>
<td>38.76</td>
<td>42.59</td>
<td>47.14</td>
<td>51.79</td>
</tr>
</tbody>
</table>

Figure 4: FTE (including PhD students) per participating Faculty 2008 – 2012
Table 4: Number of MOVE members per year

<table>
<thead>
<tr>
<th>Staff members ( # of persons)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenured staff</td>
<td>74</td>
<td>79</td>
<td>73</td>
<td>81</td>
<td>108</td>
</tr>
<tr>
<td>Non-tenured staff</td>
<td>20</td>
<td>24</td>
<td>22</td>
<td>25</td>
<td>27</td>
</tr>
<tr>
<td>PhD students</td>
<td>65</td>
<td>73</td>
<td>79</td>
<td>89</td>
<td>110</td>
</tr>
<tr>
<td>Total # of staff members</td>
<td>159</td>
<td>167</td>
<td>174</td>
<td>195</td>
<td>245</td>
</tr>
</tbody>
</table>

![Number of MOVE members](image)

Figure 5: Number of MOVE members 2008 – 2012

Table 5: Number of newly started PhD projects per year. (only PhD students appointed at one of the participating faculties).

<table>
<thead>
<tr>
<th>PhD Projects</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Newly started PhD Projects</td>
<td>20</td>
<td>15</td>
<td>18</td>
<td>17</td>
<td>20</td>
</tr>
</tbody>
</table>
Table 6: Scientific output per year

<table>
<thead>
<tr>
<th>Output</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total numbers of theses</td>
<td>10</td>
<td>16</td>
<td>26</td>
<td>30</td>
<td>25</td>
</tr>
<tr>
<td>Total number of scientific papers, refereed</td>
<td>267</td>
<td>312*</td>
<td>325</td>
<td>299</td>
<td>429</td>
</tr>
<tr>
<td>Total number of scientific papers, non-refereed</td>
<td>21</td>
<td>8</td>
<td>21</td>
<td>19</td>
<td>9</td>
</tr>
<tr>
<td>Total number of books/monographs</td>
<td>2</td>
<td>1</td>
<td>6</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Total number of bookchapters</td>
<td>Not determined</td>
<td>25</td>
<td>24</td>
<td>14</td>
<td>27</td>
</tr>
</tbody>
</table>

Figure 6: Yearly scientific output 2008 - 2012

Table 7: Output per 10 fte direct funded scientific staff, excluding PhD students

<table>
<thead>
<tr>
<th>Output</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theses</td>
<td>3.3</td>
<td>5.6</td>
<td>10.8</td>
<td>11.42</td>
<td>7.89</td>
</tr>
<tr>
<td>Scientific papers, refereed</td>
<td>87.0</td>
<td>108.6</td>
<td>134.6</td>
<td>113.86</td>
<td>135.33</td>
</tr>
<tr>
<td>Scientific papers, non-refereed</td>
<td>6.8</td>
<td>2.8</td>
<td>8.7</td>
<td>7.24</td>
<td>2.87</td>
</tr>
</tbody>
</table>
In an environment characterized by decreasing funding and increasing work load, the MOVE researchers in 2012 continued to take home grants and prizes, which is living proof that our researchers are among the top in their class. Below we list a summary of some of the highlights.

**Main Grants (€100,000 and above)**

- Professor J.E. Bos, Dr. J. Stins and A. Lubeck, MSc, were granted an Onderzoekstalent grant by NWO/MaGW for the project *Standing Well* (€170,000).
- Dr. S.M. Bruijn was awarded a VENI by the NWO/MaGW for his project *The walking brain: How our brain stabilizes our unstable locomotion* (€250,000).
- Professor Gibbs, T de Gruijl, A. den Stolpe and J. ten Toonder were awarded a ZonMW grant in cooperation with Philips research on the project *Immune competent skin on a chip*, (€300,000).
- Professor Gibbs was granted a grant by the Dutch Burns Centre for the project *Investigation of the use of endothelial cells derived from adipose tissue for regenerative medicine strategies in burns patients* (€180,000 plus bench fee).
- Professor Gibbs was also granted a ZonMW grant for translation research on the project: *A phase 2 multicentre randomized controlled comparative efficacy and safety study of Tiscover and AS210 in chronic (arterio-)venous ulcers*, (€495,000).
- Professor J. Harlaar was awarded an investment grant by the NWO for the project *V-gait, a dual belt treadmill* (€150,000).
- Dr. H. Houdijk was one of the recipients of the grant given by the Revalidatie fonds, Johannakinderfonds, Kinderfonds Adriaanstichting for the project *Muscle weakness and fatigue of adolescents with cerebral palsy; relation to daily life activities and participation*, (€100,000).
- Dr. M. Plaisier was awarded a VENI by the NWO/MaGW for her project *From grouping to haptic object perception* (€250,000).
- Prof. dr ir. D. Stegeman was in collaboration with E.H.F. van Asseldonk granted a ZonMW (Topsector LSH) grant for the project *Novel non-invasive stimulation paradigm to improve gait rehabilitation in Spinal Cord Injury* (3 years postdoc position).
**Other grants (below €100,000)**

- Dr. H. Houdijk was, in cooperation with Helioramere Research and Development and UMCG/Beatricord Groningen awarded a €40,000 grant from the KNGF (the Royal Dutch Society for Physical Therapy) for the project *Fitness and functioning in people after Amputation of the Lower Limb* (Fitali).
- Dr. R.T. Jaspers received a grant from European Nutriceutical Services B.V. the Netherlands for the project *Sportvasten*, (€60,000).
- Dr. M. van der Krogt was granted a Pilot Project grant for the proposal *A model for spasticity and contracture in OpenSim: Refinement, validation and dissemination* by the National Center for Simulation in Rehabilitation Research at Stanford University.
- Prof.dr. G. Kwakkel, one of the VU University Research Fellows, appointed Caroline Winters as his VU-Kwakkel – Fellow for the academic year 2012 – 2013.
- Prof.dr. E. Middelkoop received a grant funded by the Dutch Burns Foundation for the project *Function and activation of thrombocytes in burn patients* (€40,000).
- Dr. R. Oudejans obtained a grant of €55,627 for the project *Perceptual Training for Basketball Shooting* by the Dutch Basketball Association (NBB) and the Center for Topsport and Education Amsterdam (CTO Amsterdam).
- Dr. L. Peper, Prof.dr. P. Beek, Prof.dr. G. Kwakkel and Drs. L. van Delden were awarded a €32,000 grant by the the KNGF (the Royal Dutch Society for Physical Therapy) to prolong the ULTRA-Stroke project.
- Dr. M. Pijnappels received a grant from the Pius Stichting for the project *Torendael Beweegt*, (€15,000).
- Dr. N. Bravenboer was granted a Donation by Amgen for the project:* Sost expression in bone and serum*.
- Dr. N. Bravenboer received a grant from ZonMW for organizing the first meeting of the European FOP consortium.

**Young MOVEs**

Also in 2012 several of our PhD students and PostDocs were awarded for their outstanding achievements in science. We have provided a small sample below.

- Arno Bisschop was awarded the DSS (Dutch Spine Society) Annual Award during its annual meeting in Nijmegen, November 2012.
- Astrid Balemans and Regula Furrer were each awarded an International Student Award at the American College of Sports and Medicine 2012 in San Francisco, USA, 2012.
- Petra Juffer was awarded the ECTS (European Calcified Tissue Society) Travel Award in Stockholm, Sweden, May 2012.
- Dionne Noordhof was awarded the Winter Sports Student Award at the American College of Sports and Medicine 2012 in San Francisco, USA, 2012.
- Leonie Oostwoud Wijdenes was awarded a grant from the Boehringer Ingelheim fonds to visit the summer school in Computational Sensory-Motor Neuroscience at Northwestern University in Chicago, USA.
Professors appointed in 2012

2012 was a fertile year for new MOVE professors – all appointed on their own outstanding merits and distinguished in their own right.

- Andreas Daffertshofer was per 1 January 2012 appointed full professor in Neural Dynamics at the Faculty of HMS.
- Sue Gibbs was per July 1st 2012 appointed professor in the Fenna Diemer Lindeboom Chair: Skin and mucosa regenerative medicine. The chair is jointly supported by the VUmc and ACTA.
- Jaap Harlaar was per June 12st 2012 appointed professor of Clinical Movement Analysis, with an emphasis on orthesiology, by the OIM foundation.
- Bert Schulten was per 1 January 2012 appointed professor in Oral and Maxillofacial Surgery at the VUmc and ACTA.
- Theo Smit was appointed professor Translational Regenerative Medicine at the VUmc.

Current professors with endowed chairs

Becher, Prof.dr. J.: Pediatric Rehabilitation Medicine
Bos, Prof.dr. J.E.: Vestibular motion and attitude perception
Bruggenkate, Prof.dr. C.M. ten: Oral and Maxillofacial Surgery
Deaen, Prof.dr. H.: Thermo physiology
Harlaar, Prof.dr.ir. J.: Clinical Movement Analysis, with an emphasis on Orthesiology
Janssen, Prof.dr. T.W.J.: Duyvensz-Nagel chair for rehabilitation research
Looze, Prof.dr. M. de: Ergonomics of production and production means
Middelkoop, Prof.dr. E.: Skin Regeneration and Wound Healing
Vries, Prof.dr. J.J.P. de: Fetal Developmental Neurology
Zuijlen, Prof.dr. P.P.M. van: Medicine of burn scars (Brandwondgeneeskunde)

For a comprehensive list of the indicators of esteem, including awards, prestigious grants, conferences/workshops, invited lectures/presentation, editorships etc., please consult Appendix 2.
# Earning Capacity

Table 8: Staff costs per type of funding per year (in kEuro)

<table>
<thead>
<tr>
<th>Type of funding (in kEuro)*</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct funding</td>
<td>3,466</td>
<td>3,351</td>
<td>2,933</td>
<td>3,269</td>
<td>3,258</td>
</tr>
<tr>
<td>Research grants</td>
<td>916</td>
<td>976</td>
<td>1,098</td>
<td>1,274</td>
<td>1,756</td>
</tr>
<tr>
<td>Contract research</td>
<td>455</td>
<td>637</td>
<td>1,002</td>
<td>1,642</td>
<td>1,893</td>
</tr>
<tr>
<td>% external funding</td>
<td>28</td>
<td>33</td>
<td>42</td>
<td>47</td>
<td>51</td>
</tr>
</tbody>
</table>

* The amounts of funding are calculated by multiplying FTE's by Mean Personal Costs (MPC). For 2012 for tenured and non tenured staff a MPC of kEuro 84 is used. For PhD students, a MPC of kEuro 44 is used.

![Funding MOVE](image_url)  

Figure 7: Staff costs per type of funding 2008 - 2012 (in kEuro)
NATIONAL AND INTERNATIONAL ACADEMIC COLLABORATION

SOCIAL RELEVANCE AND SOCIETAL IMPACT
For a comprehensive list of the Societal Relevance, including professional and layman publications, media attention, memberships of various councils and other contributions of societal relevance and valorisation, please consult Appendix 3.

NATIONAL ACADEMIC COLLABORATION
Our national academic collaboration covers most universities in the Netherlands; the fields of collaboration are as varied as our own fields of research. (For a comprehensive list of academic collaboration, we refer to Appendix 4).

NATIONAL NON-ACADEMIC COLLABORATION
(For a comprehensive list of national non-academic collaboration, we refer to Appendix 4)

INTERNATIONAL ACADEMIC COLLABORATION
MOVE has a structural collaboration with the Institute for Biomedical Research into Human Movement and Health (IRM) of the School of Healthcare Science, Manchester Metropolitan University in the UK. For many years, joint PhD projects with joint supervision have been running, leading to double doctorates. This collaboration is formalized within the European Consortium for Research into Biological Movement (Biomove, www.Biomove.eu). In the past more partners have joined Biomove, which again will lead to more structural collaboration with these partners. Since three of the Biomove partners (MOVE, K.U. Leuven and IRM) in 2010 obtained an Erasmus Mundus Joint Doctorate grant (MOVE-AGE), this has led to further intensive cooperation, with 9 new PhD students being appointed each year as long as the projects run, (45 PhD students in total). These PhD students are supervised by the Principle Investigators of (at least) two different institutes and part of the PhD project will be carried out in one of the partner institutes (for more information see: www.move-age.eu).

STEGA, the regenerative medicine foundation, is represented in the European Economic Interest Group (EEIG) “Regenerate” (Scientific Coordinator dr. M.N. Helder). The aim of Regenerate is to function as a platform for industrial, scientific and clinical integrated networks. As such Regenerate applies for European Regenerative Medicine grants.

All research programs have various collaborations all over the world, varying from structural collaborations around joint (externally funded) projects to ad hoc collaborations for just one short project.

For a comprehensive list of international academic collaboration, we refer to Appendix 4

INTERNATIONAL NON-ACADEMIC COLLABORATION
For a comprehensive list of international non-academic collaboration, please consult Appendix 4
QUALITY CONTROL

MOVE PhD Progress Interviews

MOVE carefully monitors the process of the PhD trajectory, i.e. that the progress of the project follows the current procedure. However, the responsibility for the content of each PhD research project is left to the (Co-)promoters and their particular expertise and is not dwelt upon by the MOVE directorate.

Some time during the first 3 months of employment, all new members, including new PhD students are invited to an introductory meeting with the Director of MOVE and the supporting staff. During this meeting the Institute's director informs the new employee/member of the manner in which e.g. the quality control is organized within MOVE. The PhD students are talked through the main items of their PhD trajectory.

To ensure that the high quality of the scientific output within MOVE is continued by its younger members, the PhD students, the MOVE directorate each year has a short, individual meeting with all MOVE PhD students. The aim of these interviews is to monitor and scrutinize the progress and to uncover any bottlenecks or dilemmas that may occur on the PhD students’ path. The items discussed relate to the progress of the project; the supervision, the planned training courses and visits abroad, and towards the end; any plans for the future, post Ph.D. The conversations are strictly confidential and will only be discussed with the supervisors at the request of the PhD student him/herself. In preparation to the interviews, the PhD student is requested to complete some forms, see below, which if completed as requested, will uncover problems in the PhD student’s progress and/or supervision.

- The PhD-student Questionnaire -a recurring document to be completed by the PhD student together with his/her supervisor(s), to sketch an outline of the past year’s progress.
- Research Plan – this is a recurring document sketching a draft of the chapters/articles to be included in the thesis and of the time course of events during the PhD trajectory.
- The Training and Education Form – gives an overview of the followed and planned courses / lectures the PhD student will follow during his/her PhD track.

All these forms are provisional and meant to sketch an outline of the progress made in the past year, first and foremost for the PhD student him/herself and the supervisor(s). The forms are aimed at bringing to attention any pitfalls or bottle necks that may arise during the course of the PhD track so that an alternative course of action may be planned on time.

Scientific Research Committee

The Scientific Research Committee (CWO) of MOVE is a subcommittee of the Research Committee (http://www.move.vu.nl/nl/nieuws/organisatie/onderzoekscommissie/index.asp). The CWO tests research protocols before they can be submitted to the Medical Ethical Testing Committee or the Ethics Committee for Animal Research at the VU University Medical Center. The MOVE CWO meets once every 2 weeks. Each submitted protocol is assessed by at least two members. The committee’s statistical expert judges each protocol on its statistical paragraph. The committee includes members from the three participating faculties in MOVE (VU University Medical Center (VUmc), Faculty of Human Movement Sciences (HMS) and Academic Center for Dentistry (ACTA) and consists of the following members:

- Prof. dr. W.F. Lems (VUmc, Chair)
- Dr. M.F. Bobbert (HMS)
- Dr. M.N. Helder (VUmc)
- Dr. E.E. van Wegen (VUmc)
- Dr. G. Langenbach (ACTA)
- Dr. Francisca Galindo Garre (VUmc)
- Drs. T. Jiya (VUmc)
- Dr. R.T. de Jongh (VUmc) (secretary)
In total 22 protocols were assessed by the CWO in 2012. Two of these protocols were multicenter trials; these were approved by the CWO and sent on to the METC. Out of the 22 protocols, 18 were positively assessed and sent on to either the METC or the DEC. The remaining 4 were returned to the researchers and can be resubmitted only after major modifications.

12.01 Profiling scoliosis in Rett syndrome patients: a retrospective study in the Netherlands
12.02 A Randomized, Double-blind, Active-controlled Study to Evaluate the Efficacy and Safety of Denosumab Compared With Risedronate in Glucocorticoid-treated Individuals
12.03 PRESCRIPT: Pheochromocytoma RandomisEd Study Comparing adRenoreceptor Inhibiting agents for Preoperative Treatment
12.04 A randomized clinical trial to study results of vaginoplasty in male to female transsexuals with and without the addition of additional full thickness skin graft
12.05 Is muscle neural control influenced by intermuscular connectivity?
12.06 Effects of epimyscular force transmission on proprioceptive feedback
12.07 Kraakbeenregeneratie ten behoeve van aangezichtsreconstructies
12.08 Robot-aided system identification (ROBIN) of neural and non-neural contributors to ankle joint impedance in children with CP
12.09 Regeneratie van de nucleus pulposus door injectie met combinaties van een nieuwe hydrogel, autologe stamcellen en BMP-2 (DISC VIII)
12.10 Longterm Skeletal Stability of Mandibular Distraction Osteogenesis
12.11 Skin sparing mastectomy with implant reconstruction: clinical outcomes and cost effectiveness of reconstruction in one stage with the use of a collagen matrix. A randomized clinical trial.
12.12 Histologisch en histomorfometrisch onderzoek van autolog bot en calciumfosfaat botvervangende middelen na sinusbodemelevatie
12.13 Crohn and pregnancy: Anorectal function and the effect of childbirth in patients with Crohn’s disease
12.14 The effectiveness of C-Mill training for improving walking ability, walking speed and gait adaptability in people post-stroke: a pilot RCT
12.15 Langetermijneffectiviteit van de COBRA-light- en COBRA-behandeling bij vroege reumatoïde artritis
12.16 Validation of a model of muscle tendon complexes based on cross-bridge theory, using experimental data pertaining to the mechanical behavior of muscle tendon complexes during stretch-shortening cycles
12.17 Effects of fasting and exercise on physical performance and muscular oxidative metabolism
12.18 Quantitative diagnosis of impaired spinal control (Qdisc): assessment of neuromuscular trunk motor control in chronic a-specific low back pain patients
12.19 Single-photon emission computed tomography/computed tomography in patients with a suspected Unilateral Condylar Hyperactivity
12.20 The cost of being stable: Does the effort for balance control affect the energy cost of walking in amputees and stroke patients?
12.21 Understanding muscle and bone anabolic resistance in ageing: is ER stress involved?
12.22 Repair of chronic cartilage defects using either freshly isolated adipose stem cell preparations (SVF) or cultured chondrocytes encapsulated in fibrin-based hydrogels (PROCART I)
## Appendix 1: Complete list of MOVE members

<table>
<thead>
<tr>
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## Appendix 1: Complete list of MOVE members

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<td>International Student Award at the American College of Sports and Medicine 2012</td>
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<td>DSS (Dutch Spine Society) Annual Award 2012</td>
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<td>International Student Award at the American College of Sports and Medicine 2012</td>
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<td>IGZ 'GMP' certificate for cleanroom ATMP production of Tissue engineered Skin'</td>
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<td>ECTS (European Calcified Tissue Society) Travel Award</td>
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<td>ASBMR (American Society for Bone and Mineral Research Young Investigator Award</td>
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<td>Kwakkel, G.</td>
<td>VU University Fellowship</td>
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<td>Matziridi, M.</td>
<td>A student travel fellowship from the European Conference on Visual Perception</td>
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<td>Muris J, Feilzer A, Kleverlaan CJ, Rustemeyer, T</td>
<td>Society of Contact Dermatitis Research Award on Palladium contact allergy</td>
<td>13-16 June 2012, Malmö, Sweden</td>
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<td>Oostwoud Wijdenes, L.</td>
<td>Awarded the Boehringer Ingelheim Fonds to visit the Summer School in Computational Sensory-Motor Neuroscience at Northwestern University in Chicago.</td>
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CONFERENCES/WORKSHOPS

- Dr. N. Bravenboer was one of the organizers of the successful Farewell Symposium organized in connection with Prof. P. Lips’ retirement: Voorzichtig, Breekbaar! on June 29th 2012.
- Dr. N. Bravenboer was one of the organizers of the Opening Symposium of the Osteoporosis Center Amsterdam which took place in October 2012.
- Dr. E. Brenner and R. van Beers, R. together organized the congress: Optimizing performance in dynamic environments in Amsterdam, in July 2012.
- Prof.dr. H.A.M. Daanen was one of the organizers of the Mini-Symposium Non-invasive core temperature assessment during sports and work, in Amsterdam in November 2012.
- Dr. A. Dalmeijer was one of the organizers of the congress Cerebrale parese: What’s new? held in Utrecht in November 2012.
- Prof.dr. B.J. van Royen organized the IGASS 2012. Failed outcome despite correct treatment in scoliosis surgery. In Amsterdam May 2012.
- Prof.dr. B.J. van Royen also organized EuroSpine 2012, in Amsterdam in May / June 2012.

INVITED LECTURES AND PRESENTATIONS

- Name staff member: Bos, J.E.
  Title lecture: Duizelingwekkend 3D
  Meeting: NUVO Academie (Nederlandse Unie Van Optiekbedrijven)
  Place and date meeting: Amersfoort, the Netherlands, 16 January 2012

- Name staff member: Bos, J.E.
  Title lecture: Duizelingwekkend 3D
  Meeting: OVN Lezingavond (Optometristen Vereniging Nederland)
  Place and date meeting: Nieuwegein, the Netherlands, 21 May 2012

- Name staff member: Bravenboer, N. (invited speaker)
  Name congress: Farewell Symposium Prof. P. Lips: Voorzichtig, Breekbaar!
  Place and date meeting: Amsterdam, The Netherlands, 29 June 2012

- Name staff member: Bravenboer, N. (invited speaker)
  Name congress: Opening Symposium of the Osteoporosis Center Amsterdam.
  Place and date meeting: Amsterdam, The Netherlands, October 2012

- Name staff member: Bravenboer, N. (invited speaker)
  Name congress: European FOP (fibrodysplasia ossificans progressive) consortium
  Place and date meeting: Amsterdam, The Netherlands, 23 November 2012

- Name staff member: Bronner, E.
  Title lecture: Participation in retreat of Psychology group
  Meeting: Retreat of Psychology group
  Place and date meeting: Leuven, Belgium

- Name staff member: Bronner, E.
  Title lecture: Timing in perception and interception
  Meeting: EPF Lausanne Vision & Cognition
  Place and date meeting: Lausanne, Switzerland, 26 July 2012
Appendix 2: Scientific output 2012

Name staff member: Brenner, Smeets & van Beers
Title lecture: Using the arms for balance control after gait perturbations
Meeting: Joint congress ISPG & Gait and Mental Function
Place and date meeting: Amsterdham, the Netherlands, 6 June 2012

Name staff member: Dieën, J.H. van
Title lecture: Gait stability, to fall or not to fall that is the question
Meeting: Joint Congress International Society for Posture and Gait Research (ISPG) & Gait and Mental Function
Place and date meeting: Trondheim, Norway, 25-28 June 2012

Name staff member: Dieën, J.H. van
Title lecture: Gait stability and fall risk in the elderly: the importance of muscle strength
Meeting: ECSS (European Congress of Sports Sciences)
Place and date meeting: Bruges, Belgium, 4-7 July 2012

Name staff member: Dieën, J.H. van
Title lecture: Gait stability and fall risk in the elderly: the importance of muscle strength
Meeting: UNESP
Place and date meeting: Rio Claro, Brazil, 23 November 2012

Name staff member: Dieën, J.H. van
Title lecture: Physical Activity and related injuries
Meeting: University of Trás-Os-Montes and Alto Douro
Place and date meeting: Vila Real, Portugal, 13-14 July 2012

Name staff member: Dieën, J.H. van
Title lecture: Control of Spinal Alignment
Meeting: Oostendorp lezing. NVMT
Place and date meeting: Amersfoort, the Netherlands, 20 November 2012

Name staff member: Dieën, J.H. van
Title lecture: Preventie van vallen: naar een gerichte aanpak
Meeting: 100-jaar Fysiotherapie opleiding Amsterdam, HvA
Place and date meeting: Amsterdam, the Netherlands, 17 November 2012

Name staff member: Gibbs, S.
Title lecture: 3D allergenicity models.
Name Meeting: Workshop – animal alternatives: Sao Paulo University
Place and date meeting: Sao Paulo, Brazil, 16 November, 2012

Name staff member: Gibbs, S.
Title lecture: Tissue engineered skin and mucosa for wound healing and in vitro assays
Name Meeting: Workshop – animal alternatives: Sao Paulo University
Place and date meeting: Sao Paulo, Brazil, 17 November, 2012
Appendix 2: Scientific output 2012

Name staff member: Gibbs, S.
Title lecture: Retrospective analysis of patients with (arterio-)venous, post-traumatic or pressure ulcers treated with autologous skin substitute
Name Meeting: EPUAP (European Pressure ulcer) Focus Meeting
Place and date meeting: Tel Aviv, Israel, 17 April 2012

Name staff member: Gibbs, S.
Title lecture: A potential epidermal equivalent assay to identify sensizers and determine sensitizer potency
Name Meeting: Cosmetics Europe Workshop for integrated testing strategy
Place and date meeting: Brussels, Belgium, 3–4 December 2012

Name staff member: Gibbs, S.
Title lecture: Tissue engineered skin for hard-to-heal wounds - Optimal vascularization is essential for graft take
Name Meeting: Netherlands Institute of Regenerative Medicine (NIRM)
Place and date meeting: Meeting Plaza, Utrecht, the Netherlands, 26 June 2012

Name staff member: Gibbs, S.
Title lecture: Retrospective analysis of patients with (arterio-)venous, post-traumatic or pressure ulcers treated with autologous skin substitute
Name Meeting: FEDERA Medisch Wetenschappelijke Dag 2012
Place and date meeting: UMCU, Utrecht, the Netherlands, 8 June 2012

Name staff member: Gibbs, S.
Title lecture: Skin Equivalent made from TERT immortalized keratinocytes and fibroblasts for in vitro assays
Name Meeting: Immunotoxicology and Chemical Allergy Specialty Section (ITCASS)
Place and date meeting: Copenhagen, Denmark, 31 August 2012

Name staff member: Gibbs, S.
Title lecture: Skin Equivalent made from TERT immortalized keratinocytes and fibroblasts for in vitro assays
Name Meeting: Tissue Engineering International & Regenerative Medicine Society (TERMIS) world Meeting
Place and date meeting: Vienna, Austria, 5-7 September 2012

Name staff member: Gibbs, S.
Title lecture: Development and validation of an in vitro hypertrophic scar model
Name Meeting: Tissue Engineering International & Regenerative Medicine Society (TERMIS) world Meeting
Place and date meeting: Vienna, Austria, 5-7 September 2012

Name staff member: Gibbs, S.
Title lecture: Skin Equivalent made from TERT immortalized keratinocytes and fibroblasts for in vitro assays
Name Meeting: ERGECID
Place and date meeting: Trier, Germany, 10-12 October 2012
Appendix 2: Scientific output 2012

Name staff member: Kwakkel, G.
Title lecture: Functioneel herstel na CVA: Training of Compensatie?
Meeting: CVA/TIA-keten Midden-Kennemerland, Refereertijdscherm Houten, Rode Kruis Ziekenhuis, VIVA Zorggroep
Place and date meeting: Wijk aan Zee, The Netherlands, 8 March 2012

Name staff member: Kwakkel, G.
Title lecture: Randomized Clinical Trials: A difficult design or difficult to organize?
Meeting: VvBN Interessegrup Revalidatie. Rijndam revalidatiecentrum,
Place and date meeting: Rotterdam, The Netherlands, 9 February 2012

Name staff member: Kwakkel, G.
Title lecture: Evidence Based Medicine concepts in motor rehabilitation.
Meeting: XXI European Stroke Conference
Place and date meeting: Lisbon, Portugal, 22 May 2012

Name staff member: Kwakkel, G.
Title lecture: Impact of intensity of practice after stroke: issue for consideration.
Meeting: Sociale Franse de Medicine Physique et du Reaadaptation, SOFMER,
Place and date meeting: Toulouse, France, 18-20 October 2012

Name staff member: Kwakkel, G.
Title lecture: Early Prediction of outcome after stroke: The EPOS cohort study.
Meeting: Main Theme 24: Rehabilitation III. 8th World Stroke Congress
Place and date meeting: Brasilia, Brazil, 10-13 October 2012

Name staff member: Kwakkel, G.
Title lecture: Current evidence of intensity and content of therapy post stroke.
Meeting: 22nd Jaarstagung Deutsche Gesellschaft fur Neurorrehabilitation (DGNR),
Place and date meeting: Fürth, Germany, 22 November 2012

Name staff member: Kwakkel, G.
Title lecture: New frontiers in evidence based-practice after stroke.
Meeting: Rehabilitation Upgrade IRCCS
Place and date meeting: San Raafale – Pinza, Rome, Italy, 1 December 2012

Name staff member: W.F. Lems,
Title lecture: Prednison-geïnduceerde Osteoporose en moderne behandeling RA.
Place and date meeting: Paramaribo, Suriname, 9 en 10 March 2012 (2x)

Name staff member: W.F. Lems,
Title lecture: Prednison-geïnduceerde Osteoporose en moderne behandeling RA.
Name Meeting: Europese Conferentie over Osteoimmunologie
Place and date meeting: Prague, Czech Republic, 23 November 2012

Name staff member: W.F. Lems,
Title lecture: Prednison-geïnduceerde Osteoporose en moderne behandeling RA.
Place and date meeting: Paramaribo, Suriname, 9 en 10 March 2012 (2x)

Name staff member: W.F. Lems,
Title lecture: Is rheumatoid arthritis a bone disease?
Name Meeting: EULAR, (The European League Against Rheumatism)
Place and date meeting: Brussels, Belgium, 1 December 2012

Name staff member: W.F. Lems,
Title lecture: What is New (in osteoporosis)?
Name Meeting: EULAR, (The European League Against Rheumatism)
Place and date meeting: Berlin, Germany, 8 June 2012

Name staff member: W.F. Lems,
Title lecture: Physical disability, cartilage and bone damage in RA
Name Meeting: Osteoimmunology Meeting
Place and date meeting: Genoa, Italy, 29 September 2012

Name staff member: W.F. Lems,
Title lecture: What is New (in osteoporosis)?
Name Meeting: EULAR, (The European League Against Rheumatism)
Place and date meeting: Prague, Czech Republic, 23 November 2012

Name staff member: Maas, H.
Title lecture: Fascinerende Fascia
Meeting: Koninklijk Nederlands Genootschap voor Fysiotherapie
Place and date meeting: Amsterdam, the Netherlands, 10 May 2012

Name staff member: Lips, P.T.A.M.
Title lecture: Interaction calcium and vitamin D
Meeting: Grainau,
Place and date meeting: Garmisch Partenkirchen, Germany, 5 February 2012

Name staff member: Lips, P.T.A.M.
Title lecture: Effecten van vitamine D binnen en buiten het skelet
Meeting: HIV Focus groep Meeting
Place and date meeting: The Netherlands, 25 January 2012

Name staff member: Lips, P.T.A.M.
Title lecture: Vitamine D deficiëntie
Meeting: PKOH (Post-Academisch Onderwijs voor Huisartsen)
Place and date meeting: Utrecht, The Netherlands, 27 January 2012

Name staff member: Lips, P.T.A.M.
Title lecture: Effects of acute decrease of plasma calcium
Meeting: Plasmaferese congres
Place and date meeting: Den Haag, the Netherlands, 19 April 2012

Name staff member: Lips, P.T.A.M.
Title lecture: Vitamin D en een overzicht van laboratoriumonderzoek tot dagelijkse praktijk
Meeting: Symposium IWO-NVCB
Place and date meeting: Utrecht, The Netherlands, 13 September 2012

Name staff member: Lips, P.T.A.M.
Title lecture: Physical performance, muscle strength, falls and vitamin D
Meeting: Symposium on Nutrition and Bone
Place and date meeting: Lausanne, Switzerland, 18 May 2012
## Appendix 2: Scientific output 2012

<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Lips, P.T.A.M.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title lecture:</td>
<td>Vitamin D inside and outside the skeleton</td>
</tr>
<tr>
<td>Meeting:</td>
<td>St. Vincent’s Hospital</td>
</tr>
<tr>
<td>Place and date meeting:</td>
<td>Dublin, Ireland, 1 June 2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Maas, H.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title lecture:</td>
<td>Bijeankundig van de Praktijkopleiding Handtherapie</td>
</tr>
<tr>
<td>Meeting:</td>
<td>Erasmus MC</td>
</tr>
<tr>
<td>Place and date meeting:</td>
<td>Rotterdam, the Netherlands</td>
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</table>

<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Middelhoek, E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title lecture:</td>
<td>De fibroblast en de aanmaak van collageen</td>
</tr>
<tr>
<td>Meeting:</td>
<td>Speerpunten in wondzorg congres</td>
</tr>
<tr>
<td>Place and date meeting:</td>
<td>Ede, the Netherlands, 8-9 October 2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Zuijlen, P.P.M. van</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title lecture:</td>
<td>The Scar: Nature, nurture, and the creation of signature'</td>
</tr>
<tr>
<td>Meeting:</td>
<td>Annual Scientific Congress of the Royal Australasian College of Surgeons</td>
</tr>
<tr>
<td>Place and date meeting:</td>
<td>Kuala Lumpur, Malaysia, 7-10 May 2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Royen, B.J. van</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title lecture:</td>
<td>Neuromuscular Scoliosis</td>
</tr>
<tr>
<td>Meeting:</td>
<td>NSDDC (Nordic Spinal Deformity Society)</td>
</tr>
<tr>
<td>Place and date meeting:</td>
<td>Gothenburg, Sweden, 30 August – 1 September 2012</td>
</tr>
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<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Smeets, J.B.J.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title lecture:</td>
<td>Fragmented perception and motor control</td>
</tr>
<tr>
<td>Meeting:</td>
<td>Münster, Germany, 18 January 2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Smeets, J.B.J.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title lecture:</td>
<td>Brain, Cognition &amp; Behaviour</td>
</tr>
<tr>
<td>Meeting:</td>
<td>Barcelona Lecture Series</td>
</tr>
<tr>
<td>Place and date meeting:</td>
<td>Barcelona, Spain, 25 May 2012</td>
</tr>
</tbody>
</table>

## ORGANIZATION OF CONGRESSES AND SYMPOSIA

<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Bravenboer, N.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name congress:</td>
<td>Farewell Symposium Prof. P. Lips: Voorzicht, Breekbaar!</td>
</tr>
<tr>
<td>Place and date meeting:</td>
<td>Amsterdam, the Netherlands, 29 June 2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name staff member:</th>
<th>Bravenboer, N.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name congress:</td>
<td>Opening Symposium of the Osteoporosis Center Amsterdam.</td>
</tr>
<tr>
<td>Place and date meeting:</td>
<td>Amsterdam, the Netherlands, October 2012</td>
</tr>
</tbody>
</table>
### Appendix 2: Scientific output 2012

<table>
<thead>
<tr>
<th>Name staff member</th>
<th>Name congress</th>
<th>Place and date meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bravenboer, N.</td>
<td>European FOP (fibrodysplasia osilicicans progressive) consortium</td>
<td>Amsterdam, the Netherlands, 23 November 2012</td>
</tr>
<tr>
<td>Brenner, E. &amp; van Beers, R.</td>
<td>Optimizing performance in dynamic environments</td>
<td>Amsterdam, the Netherlands, 2-5 July 2012</td>
</tr>
<tr>
<td>Daanen, H.A.M.</td>
<td>Clothing in the Cold</td>
<td>Soesterberg, The Netherlands</td>
</tr>
<tr>
<td>Daanen, H.A.M.</td>
<td>Mini-Symposium Non-invasive core temperature assessment during sports and work</td>
<td>Amsterdam, the Netherlands, 28 November 2012</td>
</tr>
<tr>
<td>Gibbs, S.</td>
<td>FEDERA Medisch Wetenschappelijke Dag 2012</td>
<td>UMCU, Utrecht, The Netherlands, 8 June 2012</td>
</tr>
<tr>
<td>Kistemaker, D.</td>
<td>Panel Session: &quot;Non-linear musculoskeletal properties: blessing or burden for motor control?&quot; NCM Society</td>
<td>Venice, Italy, 22-23 April 2012</td>
</tr>
<tr>
<td>Pijnappels, M.A.G.M.</td>
<td>The use of wearable inertial sensors to identify falls and estimate the risk of future fall events, at the joint ISGPR &amp; Gait and mental function congress</td>
<td>Trondheim, Norway, 26-28 June 2012</td>
</tr>
<tr>
<td>Royen, B.J van</td>
<td>IGASS 2012. Failed outcome despite correct treatment in scoliosis surgery</td>
<td>Amsterdam, The Netherlands, 27 May 2012</td>
</tr>
<tr>
<td>Royen, B.J van</td>
<td>EuroSpine 2012</td>
<td>Amsterdam, the Netherlands, 28 May – 1 June 2012</td>
</tr>
<tr>
<td>Stegeman, D.F.</td>
<td>Organizer Workshop Distributed muscle activity revealed by multi-channel EMG, ISEK conference</td>
<td>Brisbane, Australia, July 2012</td>
</tr>
</tbody>
</table>

### Editorships
- Bakker, F.C.: Sportpsychologie Bulletin
- Beek, P.J.: Human Movement Science (editor in chief)
- Dieën, J.H. van: European Journal of Applied Physiology
- Dieën, J.H. van: Human Movement Science
- Haan, A. de: European Journal of Applied Physiology
- Konings J.J de: European Journal of Sport Science
- Kwakkel, G.: NeuroRehabilitation and Neural Repair
- Lems, W.F.: het Nederlands Tijdschrift voor Reumatologie
- Lems, W.F.: het Osteoprose Journaal
- Savelsbergh, G.J.P.: Infant Behavior and Development
- Smeets J.B.J.: Acta Psychologica
- Stegeman, D.F.: European Journal of Applied Physiology

### Associate editors
- Bergmann Tiest, W.M.: IEEE Transactions on Haptics
- Brenner, E.: Vision Research
- Brenner, E.: Perception/I-Perception
- Coenen, P.: Tijdschrift voor Ergonomie
- Daanen, H.A.M.: European Journal of Applied Physiology

### Guest editors
- Veeger, H.E.J.: Guest Editor special issue Human Movement Science (published 2012)

### Editorial board member / advisory board of a journal / Editorial consultant
- Beers, R. Van: PLOS ONE
- Brenner, E.: 3D Research
- Brenner, E.: Journal of Motor Behavior
- Dallmeijer, A.: BMC Pediatrics
- Dallmeijer, A.: Journal of Science and Medicine in Sport
- Dieën, J.H. van: Back and Musculoskeletal Rehabilitation
- Dieën, J.H. van: Clinical Biomechanics
- Dieën, J.H. van: IIE Transactions on Occupational Ergonomics and Human Factors
- Dieën, J.H. van: Journal of Electromyography and Kinesiology
- Dieën, J.H. van: Manual Therapy
- Hocevar, M.J.M.: IIE Transactions on Occupational Ergonomics and Human Factors
Appendix 2: Scientific output 2012

- Houdijk, J.H.P.: International Scholarly Research Network on Rehabilitation (ISNR)
- Houdijk, J.H.P.: Scientifica
- Kappers, A.: Acta Psychologica
- Kingma, I.: Journal of Electromyography and Kinesiology
- Kistemaker, D.: Versus, tijdshrift voor fysiotherapie
- Kwakkel, G.: Member of the editorial board of International Journal of Stroke
- Kwakkel, G.: Member of the editorial board of Journal of Rehabilitation Medicine
- Lips, P.T.A.M.: Journal of Internal Medicine
- Lips, P.T.A.M.: Osteoporosis International
- Middelkoop, E.: Wound Repair and Regeneration
- Royen, B.J. van: European Spine Journal
- Royen, B.J. van: Scoliosis
- Royen, B.J. van: The Open Spine Journal
- Royen, B.J. van: World Journal of Orthopaedics (WJO)
- Smeets, J.B.J.: Journal of Motor Behavior
- Ulrich, M.: Wound Repair and Regeneration
- Veeger, H.E.J.: Clinical Biomechanics

PEER-REVIEWED JOURNALS OR SERIES THAT HAVE BEEN INITIATED BY THE INSTITUTE

- Maas, H.: Journal of Visualized Experiments

MEMBERSHIPS OF ACADEMIES

- Daffertshofer, A.: Research Fellow at the Donders Institute for Brain, Cognition and Behaviour, Radboud University, Nijmegen, since June 2010
- Daalmeijer, A.: American Academy of Cerebral Palsy and Developmental Medicine (AACPM)
- Dieën, J.H., van: Member of external advisory panel for the Liberty Mutual Center for Physical Ergonomics, Boston MA USA
- Dieën, J.H., van: Treasurer of the International society of Electrophysiology and Kinesiology
- Helder, M.N.: Member of the International Fat Applied Technology Society (FATS)
- Helder, M.N.: Member of the Orthopaedic Research Society (ORS)
- Helder, M.N.: Director of the Skeletal Tissue Engineering Group Amsterdam (STEGA)
- Helder, M.N.: Head section research of the European economic interest group REGENERATE
- Helder, M.N.: Member of the Dutch Orthopaedic Association
- Helder, M.N.: Member of the Dutch program for Tissue Engineering (DPTE)
- Helder, M.N.: Member of the Dutch Society of Biotechnology and Tissue Engineering (NBTE)
- Helder, M.N.: Member of the Dutch Society of Calcium- and Bone Metabolism (NVCB)
- Helder, M.N.: Member of the European Technology platform "Nanomedicine"
- Helder, M.N.: Member of the Review committee of the European Research Council (ERC)
- Juya, T.U.: Member of the Dutch Orthopaedic Association
- Lems, W.F.: Chairman of the multidisciplinary Dutch guideline for osteoporosis and prevention of fractures
- Lips, P.T.A.M.: IOF/ECSCEO fellowships
- Lips, P.T.A.M.: Professional Practice Committee European Cartilage Tissue Society
- Lips, P.T.A.M.: Scientific Advisory Committee International Osteoporosis Foundation
- Middelkoop, E.: Board member of Scar Club

- Middelkoop, E.: Board Member of Scar Academy
- Royen, B.J. van: ADSpine member
- Royen, B.J. van: Bestuurslid Anna Fonds since 01-01-2010
- Royen, B.J. van: Bestuurslid NOV (wetenschappelijk secretarie)2010 – present
- Royen, B.J. van: Dutch Spine Society (DSS)
- Royen, B.J. van: EuroSpine, the Spine Society of Europe (ESE)
- Royen, B.J. van: Lid Koninklijke Hollandsche Maatschappij der Wetenschappen, 2011 – present
- Royen, B.J. van: Lid sociëteit "Trou moet Blyken" (nederlandsamer sinds 1500, Haarlem) sinds 01-12-2009
- Royen, B.J. van: Medisch Adviescommissie Weefselvigilantie (TRIP) 2011- present
- Royen, B.J. van: Nederlandse Orthopaedische Vereniging (NOV)
- Royen, B.J. van: Nederlandse Vereniging voor Reumachirurgie (NERASS)
- Royen, B.J. van: Nordic Orthopaedic Federation (NDF)
- Royen, B.J. van: Skeletal Tissue Engineering Group Amsterdam (STEGA)
- Royen, B.J. van: The International Society for the Study of the Lumbar Spine (ISSLS)
- Royen, B.J. van: Werkgroep Kinderorthopaedie Nederland
- Royen, B.J. van: Werelddiakonischwerkgroep van de NOV
- Saout, R.: Member of the Dutch Orthopaedic Association
- Sluij, J.A. van der: Member of the Dutch Orthopaedic Association
- Smeets, J.: board-member of the Society for the Neural Control of Movement
- Smeets, J.: member of program committee of Eurohaptics 2012
- Smit, Th.: Member of the Dutch Orthopaedic Association
- Smit, Th.: Member of the European Society of Biomaterials
- Smit, Th.: Member of the European Society of Biomechanics
- Smit, Th.: Member of the Orthopaedic Research Society
- Stegeman, D.F.: Member of the founding fathers of the IMDI initiative “Neuro-control” ZonMW in the context of the “Topsectoren”
- Ulrich, M.: European Tissue Repair Society
- Ulrich, M.: Dutch Society for Burn Care
- Ulrich, M.: Dutch Society for Matris Biology
- Ulrich, M.: European Burns Association
- Ulrich, M.: International Society for Cellular Therapy
- Ulrich, M.: Netherlands Institute for Regenerative Medicine
- Ulrich, M.: Wound Healing Society
- Wilbreuk, M.M.: Member of the Dutch Orthopaedic Association
- Zuiljen, P.P.M. van: European Burn Association
- Zuiljen, P.P.M. van: European Tissue Repair Society
- Zuiljen, P.P.M. van: International Society for Burn Injuries
- Zuiljen, P.P.M. van: Member Executive Board International Society for Burn Injuries (regional representative Europe)
- Zuiljen, P.P.M. van: Nederlandse Vereniging voor Brandwondenzorg
- Zuiljen, P.P.M. van: Nederlandse Vereniging voor Plastische Chirurgie
VALORISATION OF THE WORK/OUTPUT
Professional publications and products


Zuijlen, P.P.M. van: Radio Heemskerk, 18 juni 2012. Interview over gespecialiseerde littekenpoli RKZ.

Zuijlen, P.P.M. van:  Radio 1 Journaal. 24 september 2012, Interview over kosten in gezondheidszorg.


Smeets, J.B.J.: Short interview on Radio3 (Coen & Sander show, February 13th 2012) on sense of effort during escalator mounting.


Daanen, H.A.M.:  SBS Hart van Nederland, koude, 01-02-12.


Hofmijster, M.: Goed bewegen vergt heel wat wetenschap, Parool, 24-7-2012.


Klokhuis, NTR. http://www.hetklokhuis.nl/tv-uitzendingen/grid/14/s/0.


Daanen, H.A.M.:  SBS Hart van Nederland, koude, 01-02-12.


Appendix 3: Societal relevance

Zuilen, P.P.M. van: TV-documentaire 15 december 2012. Als ik in de spiegel kijk: Productie over patiënt met Brandwonden door Hollandse Helden in samenwerking met de NCRV.


Zuilen, P.P.M. van: Volkardrant, 31 oktober 2012. Artikel over brandwonden: Niet schrikken als je me ziet.

Zuilen, P.P.M. van: Noord Hollands Dagblad, 7 juni 2012. Interview/artikel over gespecialiseerde littekenpoli RKZ.


Middelkoop, E.: Chairman of the ‘werkgroep’ that will establish national guidelines for burn treatment.

Lips, P.T.A.M.: Lid Commissie Gezondheidsraad: Evaluatie van de voedingsnormen voor vitamine D.

Kwakkel, G.: Advisory Board of the ‘Stroke Forum’ and Consultation for the National Clinical Guideline for Stroke, United Kingdom.

Dallmeijer, A.: Member of work group Krachttraining, Dutch Academy of Childhood Disability. (Dutch ACD).

Bos, J.E.: Secretary of the Vestimodium Platform of the Dutch Organisation of Standardisation (NEN 302020).

Dieën, J.H. van: Member of the American, Australian, British, Canadian and Dutch Working Group on Human Performance at Sea.

Dieën, J.H. van: Member of work group ‘Koachtaining, Dutch Academy of Childhood Disability (Dutch ACD).

Dieën, J.H. van: Member of working group Work-related physical health risks, Health Council of the Netherlands.


Lips, P.T.A.M.: Lid Commissie Gezondheidsraad: Evaluatie van de voedingsnormen voor vitamine D.

SOCIAL IMPACT OF THE WORK / OUTPUT

Indications in a directive, protocol or policy note

- Middelkoop, E.: Chairman of the ‘werkgroep’ that will establish national guidelines for burn treatment, in collaboration with CBO (central beleidsorgaan).
- Zuilen, P.P.M. van: Adviescommissie beschikbaarheid bijdrage brandwonden zorg (voor NZa).
- Zuilen, P.P.M. van: Richtcommissie Brandwondenopvang.

Contributions, based on research, to post initial education

Name staff member: Bos, J.E.
Title lecture: Sensory physiology in flight - SD and airsickness
Institution: European Air Group Advanced Medicine Course, Center for Man in Aviation
Place and date lecture: The Netherlands, 28 October 2012

Name staff member: Bos, J.E.
Title lecture: Non-pharmacological motion sickness countermeasures
Institution: European Air Group Advanced Medicine Course, Center for Man in Aviation
Place and date lecture: The Netherlands, 31 October

Name staff member: Dieën, J.H. van
Title lecture: Vaallen bij ouderen
Institution: GERION
Place and date lecture: The Netherlands, April 12, 2012

Name staff member: Dieën, van J.H.
Title lecture: Nascholing oefentherapie
Institution: VvOCM
Place and date lecture: The Netherlands, December 1, 2012

Name staff member: Dieën, van J.H.
Title lecture: Epidemiologie van arbeidsgenauerelateerde aandoeningen van het bewegingsapparaat
Institution: EPIDtm
Place and date lecture: The Netherlands, 20 November 2012

Name staff member: Kappers, A. and Smets, J.B.J.
Title lecture: Haptics Autumn School
Institution: Utrecht, The Netherlands, October 16, 2012

Name staff member: Kwakkel, G.
Title lecture: Thema-avond ‘learn about burn’
Institution: International Federation of Medical Students Associations
Place and date lecture: Utrecht, The Netherlands, October 16, 2012

Name staff member: Veeger, H.E.J.
Title lecture: Mechanische belasting van rolstoelrijden, bijdrage in de cursus: ‘Rolstoelen en Ortheseën’
Institution: PAOG cursus onder auspiciën van de Nederlandse Vereniging van Arsten voor Revalidatie en Fysiotherapie (VRA)
Place and date lecture: Nijmegen, The Netherlands, November 6, 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Colleger ‘Plastische chirurgie bij brandwonden’
Institution: OIO’s Department, Moleculaire Celbiologie & Immunologie VUmc
Place and date lecture: Amsterdam, The Netherlands, October 29, 2012

Name staff member: Middelkoop, E.
Title lecture: Revalidatie na een beroerte: Wat is de evidentie?
Institution: PAOG cursus onder auspiciën van de Nederlandse Vereniging van Arsten voor Revalidatie en Fysiotherapie (VRA)
Place and date lecture: Nijmegen, The Netherlands, 27 January 2012

Name staff member: Middelkoop, E.
Title lecture: Thema-avond ‘learn about burn’
Institution: International Federation of Medical Students Associations
Place and date lecture: Utrecht, The Netherlands, October 16, 2012

Name staff member: Veeger, H.E.J.
Title lecture: Mechanische belasting van rolstoelrijden, bijdrage in de cursus: ‘Rolstoelen en Ortheseën’
Institution: PAOG cursus onder auspiciën van de Nederlandse Vereniging van Arsten voor Revalidatie en Fysiotherapie (VRA)
Place and date lecture: Nijmegen, The Netherlands, November 6, 2012

Name staff member: Kwakkel, G.
Title lecture: Thema-avond ‘learn about burn’
Institution: International Federation of Medical Students Associations
Place and date lecture: Utrecht, The Netherlands, October 16, 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Colleger ‘Plastische chirurgie bij brandwonden’
Institution: OIO’s Department, Moleculaire Celbiologie & Immunologie VUmc
Place and date lecture: Amsterdam, The Netherlands, October 29, 2012

Name staff member: Middelkoop, E.
Title lecture: Thema-avond ‘learn about burn’
Institution: International Federation of Medical Students Associations
Place and date lecture: Utrecht, The Netherlands, October 16, 2012

Name staff member: Veeger, H.E.J.
Title lecture: Mechanische belasting van rolstoelrijden, bijdrage in de cursus: ‘Rolstoelen en Ortheseën’
Institution: PAOG cursus onder auspiciën van de Nederlandse Vereniging van Arsten voor Revalidatie en Fysiotherapie (VRA)
Place and date lecture: Nijmegen, The Netherlands, November 6, 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Colleger ‘Plastische chirurgie bij brandwonden’
Institution: OIO’s Department, Moleculaire Celbiologie & Immunologie VUmc
Place and date lecture: Amsterdam, The Netherlands, October 29, 2012

Name staff member: Middelkoop, E.
Title lecture: Thema-avond ‘learn about burn’
Institution: International Federation of Medical Students Associations
Place and date lecture: Utrecht, The Netherlands, October 16, 2012

Name staff member: Veeger, H.E.J.
Title lecture: Mechanische belasting van rolstoelrijden, bijdrage in de cursus: ‘Rolstoelen en Ortheseën’
Institution: PAOG cursus onder auspiciën van de Nederlandse Vereniging van Arsten voor Revalidatie en Fysiotherapie (VRA)
Place and date lecture: Nijmegen, The Netherlands, November 6, 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Colleger ‘Plastische chirurgie bij brandwonden’
Institution: OIO’s Department, Moleculaire Celbiologie & Immunologie VUmc
Place and date lecture: Amsterdam, The Netherlands, October 29, 2012

Name staff member: Middelkoop, E.
Title lecture: Thema-avond ‘learn about burn’
Institution: International Federation of Medical Students Associations
Place and date lecture: Utrecht, The Netherlands, October 16, 2012

Name staff member: Veeger, H.E.J.
Title lecture: Mechanische belasting van rolstoelrijden, bijdrage in de cursus: ‘Rolstoelen en Ortheseën’
Institution: PAOG cursus onder auspiciën van de Nederlandse Vereniging van Arsten voor Revalidatie en Fysiotherapie (VRA)
Place and date lecture: Nijmegen, The Netherlands, November 6, 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Colleger ‘Plastische chirurgie bij brandwonden’
Institution: OIO’s Department, Moleculaire Celbiologie & Immunologie VUmc
Place and date lecture: Amsterdam, The Netherlands, October 29, 2012

Name staff member: Middelkoop, E.
Title lecture: Thema-avond ‘learn about burn’
Institution: International Federation of Medical Students Associations
Place and date lecture: Utrecht, The Netherlands, October 16, 2012

Name staff member: Veeger, H.E.J.
Title lecture: Mechanische belasting van rolstoelrijden, bijdrage in de cursus: ‘Rolstoelen en Ortheseën’
Institution: PAOG cursus onder auspiciën van de Nederlandse Vereniging van Arsten voor Revalidatie en Fysiotherapie (VRA)
Place and date lecture: Nijmegen, The Netherlands, November 6, 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Colleger ‘Plastische chirurgie bij brandwonden’
Institution: OIO’s Department, Moleculaire Celbiologie & Immunologie VUmc
Place and date lecture: Amsterdam, The Netherlands, October 29, 2012

Name staff member: Middelkoop, E.
Title lecture: Thema-avond ‘learn about burn’
Institution: International Federation of Medical Students Associations
Place and date lecture: Utrecht, The Netherlands, October 16, 2012

Name staff member: Veeger, H.E.J.
Title lecture: Mechanische belasting van rolstoelrijden, bijdrage in de cursus: ‘Rolstoelen en Ortheseën’
Institution: PAOG cursus onder auspiciën van de Nederlandse Vereniging van Arsten voor Revalidatie en Fysiotherapie (VRA)
Place and date lecture: Nijmegen, The Netherlands, November 6, 2012

Name staff member: Zuijlen, P.P.M.
Appendix 3: Societal relevance

Name staff member: Zuijlen, P.P.M.
Title lecture: Lecture on 'Nationale Brandwondendag'
Institution: Dutch Burns Foundation
Place and date lecture: Amersfoort, The Netherlands, 3 November 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Carriereavond MPVU
Institution: VUmc
Place and date lecture: Amsterdam, The Netherlands, 21 November 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Post-HBO Huidtherapie
Institution: College Hogeschool Utrecht
Place and date lecture: Utrecht, The Netherlands, 16 March 2012

Name staff member: Zuijlen, P.P.M.
Title lecture: Post-HBO Huidtherapie
Institution: College Hogeschool Utrecht
Place and date lecture: Utrecht, The Netherlands, 30 November 2012

Perceptible impact on public informing and/or authoritative websites
- Middelkoop, E.: Profile: Scar wars: what will a victory bring us?
  ![http://www.publicservice.co.uk/pub_contents.asp?id=599&publication=European Science and Technology](http://www.publicservice.co.uk/pub_contents.asp?id=599&publication=European Science and Technology)

Perceptible impact on public opinion and/or political decision-making
- Houdijk, J.H.P.: SMALLL (Society of Movement Analysis Laboratories in the Lowlands), voorzitter.

Valorisation of the output
- Dieën, J.H. van: Scientific consultant to Mainstay Medical.

'Spin-off' start-ups
- Gibbs S.: Member: Dutch Institute for regenerative medicine.
- Gibbs, S.: Contact person Vumc, Topsector Life Sciences and Health Roadmap Regenerative Medicine.

Memberships in committees who judge research proposals
- Bos, J.E.: Natural Sciences and Engineering Research Council of Canada.
- Bos, J.E.: Research Grants Council of Hong Kong.
- Bos, J.E.: Space Research Organisation Netherlands (NSO).
- Daltmeijer, A.: Scientific committee EMGO Institute Vumc.
- Dieën, J.H. van.: Institut Universitaire de France.
- Gibbs, S.: Member: Dutch Institute for regenerative medicine.
- Gibbs, S.: Contact person Vumc, Topsector Life Sciences and Health Roadmap Regenerative Medicine.
- Middelkoop, E.: Irish research council.
<table>
<thead>
<tr>
<th>Name staff member</th>
<th>Name institute</th>
<th>Place</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bergmann Tiest, W., Kappers, A.</td>
<td>TNO Behavioural and Societal Sciences</td>
<td>Soesterberg</td>
<td>Publication</td>
</tr>
<tr>
<td>Bergmann Tiest, W., Kappers, A., Smeets, J.B.J.</td>
<td>TUD</td>
<td>Delft</td>
<td>H-Haptics Project, STW-funded program</td>
</tr>
<tr>
<td>Bergmann Tiest, W., Kappers, A., Smeets, J.B.J.</td>
<td>TUD</td>
<td>Delft</td>
<td>H-Haptics Project, STW-funded program</td>
</tr>
<tr>
<td>Bergmann Tiest, W., Kappers, A., Smeets, J.B.J.</td>
<td>TUE</td>
<td>Eindhoven</td>
<td>H-Haptics Project, STW-funded program</td>
</tr>
<tr>
<td>Bergmann Tiest, W., Kappers, A., Smeets, J.B.J.</td>
<td>TUE</td>
<td>Eindhoven</td>
<td>H-Haptics Project, STW-funded program</td>
</tr>
<tr>
<td>Bos, J.E.</td>
<td>Klis, Department of otolaryngology</td>
<td>UMC Utrecht</td>
<td>Shared publication</td>
</tr>
<tr>
<td>Bos, J.E.</td>
<td>Faculty of Aerospace Engineering Technical University Delft</td>
<td>Delft</td>
<td>Shared supervision PhD student C. Gracio</td>
</tr>
<tr>
<td>Bravenboer, N.</td>
<td>Wageningen University</td>
<td>Wageningen</td>
<td>Collaboration on the PhD project of Karen van der Meijden</td>
</tr>
<tr>
<td>Bravenboer, N.</td>
<td>Altered Gravity Platform, Dr J.W.W.A. van Loon</td>
<td>MOVE, Amsterdam</td>
<td>Desc</td>
</tr>
<tr>
<td>Bravenboer, N.</td>
<td>Leiden University: Prof. P. ten Dijke</td>
<td>Leiden</td>
<td>Collaboration on clinical protocol on Fybrodysplasia ossificans progressive</td>
</tr>
<tr>
<td>Bravenboer, N.</td>
<td>Leiden University: Prof. P. ten Dijke</td>
<td>Leiden</td>
<td>Future plans for funding possibilities</td>
</tr>
</tbody>
</table>
Appendix 4: Collaboration

Name staff member: Bravenboer, N.
Name institute: Erasmus Medisch Centrum: Dr Zijlstra, prof A Uiterlinden, prof JP van Leeuwen
Place institute: Rotterdam
Project: Joint meetings for research and patient care

Name staff member: Dallmeijer, A.
Collaborating partner: University Medical Center Utrecht / De Hoogstraat
Place institute: Utrecht

Name staff member: Dallmeijer, A.
Collaborating partner: Erasmus University Medical Center

Name staff member: Dallmeijer, A.
Collaborating partner: Reade Rehabilitation Center Amsterdam

Name staff member: Hofmijster, M.
Name institute: (De Poel), Centre for Human Movement Sciences
Place institute: Groningen
Project: Publication in press, de Brouwer

Name staff member: Jaspers, R.
Name institute: (Prof. dr. Kraal), Molecular Cell Biology and Immunology VUmc
Place institute: Amsterdam
Project: Effects of training on the immune system

Name staff member: Kappers, A.
Name institute: (van Genderen, Reilink; Bartiméus), Institute for the Visually Impaired
Place institute: Zeist
Project: Shared PhD student

Name staff member: Kappers, A.
Name institute: (Vervloed, Knoops, Verhoeven), Radboud Universiteit Nijmegen
Place institute: Nijmegen
Project: Shared PhD candidate, A. Withagen, Royal Visio

Name staff member: Lips, P.T.A.M.
Name institute: (Prof. dr. Kraal), Molecular Cell Biology and Immunology VUmc
Place institute: Amsterdam
Project: Shared NWO-funded PhD student

Name staff member: Bos, J.E.
Name associate: Correla Gracio, facilitation experiments
Name and place institute: TNO Perceptual and Cognitive Systems, Soesterberg

Name staff member: Bos, J.E.
Name associate: Wentink, Dr. M.
Name and place institute: Desdemona B.V., Soesterberg

Name staff member: Dieën, J.H. van
Name associate: Joint research project: a non-fusion scoliosis correction device
Name and place institute: University Medical Center Groningen, University of Groningen, Department of Orthopaedics and University of Twente, Department of Biomechanical Engineering, (Dr. I. Busscher, prof A.G. Veldhuizen, A.G. and prof. G.J. Verkerke), Groningen and Twente

Name staff member: Dieën, J.H. van
Name project: Joint publications,
Name and place institute: LUMC, (Prof. R.G. Nalissen, Dr. J. de Groot), Leiden
Appendix 4: Collaboration

<table>
<thead>
<tr>
<th>Name staff member</th>
<th>Name associate/project</th>
<th>Name and place institute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dieën, J.H. van</td>
<td>PROOF Joint PhD project</td>
<td>EMGO+, VUmc, Beek, (Prof.dr. A. van der) Amsterdam</td>
</tr>
<tr>
<td>Veeger, H.E.J.</td>
<td>QDisc, Joint PhD project</td>
<td>VUmc, (Zuurmond, Prof.dr. W. &amp; Dr. R. Perez), Amsterdam</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>Protect Joint PhD project</td>
<td>EMGO+, VUmc, (Dekker, Prof.dr. J.), Amsterdam</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>PROOF: collaborative publication</td>
<td>Institute for Biomedical Technology and Technical Medicine (MIRA), (Prof P.H. Veltink), Enschede</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>New treatment strategies for canine intervertebral disc degeneration PROOF: collaborative publications</td>
<td>Department of Clinical Sciences of Companion Animals, Faculty of Veterinary Medicine, Utrecht University (Dr. P. Mei and Dr L.A. Smolders), Utrecht</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>Joint publications, joint grant proposals</td>
<td>Human Movement Sciences, University of Groningen, Groningen</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>Collaborative research project: Compression forces on the lumbar spine: a cause of low-back pain PROOF: joint publications (Bongers, Prof P. M. and M. Douwes, (PhD: Pieter Coenen)</td>
<td>TNO Healthy Living, Hoofddorp</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>Shared PhD project (T. Alta) and joint publications</td>
<td>Onze Lieve Vrouwe Gasthuis, (Willems, Dr. J.), Amsterdam</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>Collaboration in PhD projects Maaswinkel, Cohé-Lizama and Hak, joint publications</td>
<td>Motek Medical bv., Amsterdam</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>PhD project L. Hak, and joint publications</td>
<td>Aardenburg, M.R.C.: Dr. P. Van der Wuff and Dr. A. Mert</td>
</tr>
<tr>
<td>Dieën, J.H. van</td>
<td>Joint publications</td>
<td>Department of Plastic and Reconstructive Surgery, Netherlands Cancer Institute-Antoni van Leeuwenhoek Hospital, (dr. J.J. Hage), Amsterdam</td>
</tr>
</tbody>
</table>

Name staff member: Hoozemans, Dr. M.
Name associate/project: Dr. B. Burger, shared PhD project (R.J. Hilan), joint publications
Name and place institute: Medisch Centrum Alkmaar, Alkmaar

Name staff member: Houdijk, J.H.P. (detaching)
Name associate/project: 3 gezamenlijke promoties
Name and place institute: Helomare R&D, Wijk aan Zee

Name staff member: Janssen, Prof. dr. T.
Name associate/project: PhD project Maaswinkel, joint publications
Name and place institute: READE, (Dr. J. Vollebregt), Amsterdam

Name staff member: Loos, Prof M.P.de en Dr. T. Bosch.
Name associate/project: Collaborative research project: “Movement strategy, variability and health risk assessment in manual work” PhD projects: Reinier Klinemann and Tassy Lugter
Name and place institute: TNO Healthy Living, Hoofddorp

Name staff member: Pijnappels, M.A.G.M.
Name associate/project: Collaboration in FARAO project and related projects on inertial sensing, joint publications
Name and place institute: McRoberts bv., the Hague

Name staff member: Veeger, H.E.J.
Name project: Joint publications, joint grant proposals
Name and place institute: TU Delft, Delft

Name staff member: Veeger, H.E.J.
Name associate: QDisc, Joint PhD project
Name and place institute: TU Delft, Helm, Prof.dr. F. Van der, & Dr. R. Happee, Delft

INTERNATIONAL ACADEMIC COLLABORATION

Name staff member: Bos, J.E.
Name institute: Chalmers Technical University, (Dr. Dahmman)
Place / country institute: Gothenburg, Sweden
Project: Ph.D. project on the Effect of pharmacology on adaptation to motion sickness (M. Nordlund, MSc.)

Name staff member: Bos, J.E.
Name institute: (F. Wuys), University of Antwerp - Faculty of Science
Place / country institute: Antwerp, Belgium
Project: Joint experiments with vestibular patients within the framework of the PhD project: Standing Wall by A.J.A. Lubeck

Name staff member: Bergmann Tiest, W.
Name institute: (Knut Drawing), Justus-Liebig-Universität
Place / country institute: Giessen, Hessenland
Project: Shared publication
Appendix 4: Collaboration

Name staff member: Bergmann Tiest, W., Kappers, A.
Name institute: Nagoya Institute of Technology, (Yoshihiro Tanaka)
Place / country institute: Nagoya, Japan
Project: Shared publication (in revision)

Name staff member: Bravenboer, N.
Name institute: Katholieke Universiteit Leuven, (Dr P. Verschuere, Prof. Luijten)
Place / country institute: Leuven, Belgium
Project: MOVE-Age PhD project of Janak al Pathak: Aetiology of osteopetrosis in Reumatoid arthritis

Name staff member: Bravenboer, N. (participant and founder)
Name institute: European Consortium on FOP research, (Daigleish, Raymond (Dr.), Prof James Trifth, Dr A. Bullock (GB), Prof R. Ravazzolo (Italy), Prof P. Seemann (Germany), Prof F. Ventura)
Place / country institute: Great Britain, Italy and Germany
Project: FOP research

Name staff member: Brenner, E.
Name institute: University of Minho, Sergio Nascimento
Place / country institute: Portugal
Project: Shared publications

Name staff member: Brenner, E., Smeets, J.B.J.
Name institute: University of Barcelona, (Joan Lopez-Moliner / Cristina de la Malla)
Place / country institute: Spain
Project: Shared publications and visits by PhD student (de la Malla)

Name staff member: Brenner, E., Narain, D., Smeets, J.B.J.
Name institute: (Pascal Mamassian), Université Paris Descartes
Place / country institute: Paris, France
Project: Shared publications, visit

Name staff member: Dalmijer, A.
Name institute: Seattle Children's Research Institute
Place / country institute: USA
Project: Collaboration PhD student

Name staff member: Dalmijer, A.
Name institute: Washington University School of Medicine, St Louis Children's Hospital
Place / country institute: St. Louis, MO., USA
Project: Project Collaboration PhD student

Name staff member: Dalmijer, A.
Name institute: Alfred I. Du Pont Hospital for Children
Place / country institute: Wilmington, Delaware, USA
Project: Project Collaboration Master Medical student

Name staff member: Dalmijer, A.
Name institute: Michigan State University (Dr. J. Cholewicki, Dr. NP Reeves), Research Institute Robert Sauvé (Dr. C. Lariviere, Occupational Health and Safety Research) and University of Sherbrookes, Dr. D. Gagnon, Department of Kinanthropology
Place / country institute: USA and Montreal and Sherbrooke, Canada
Project: Joint research project: EMI-driven models of muscle-joint systems for clinical applications

Name staff member: Dalmijer, A.
Name institute: Harvard School of Public Health (Dr. T. Dennerlein) and Washington State University (Dr. P. Johnson)
Place / country institute: USA
Project: Name associate: Joint research project, PROOF: Interactions of biomechanics and psychosocial stressors in relation to the development of musculoskeletal disorders in the modern office (PhD student L. Elkelhof)

Name staff member: Dalmijer, A.
Name institute: Centro Protesi Inail
Place / country institute: Budrio, Italy
Project: Joint research project on prosthetics, PhD project D. Wezenberg (2010-2013)

Name staff member: Dalmijer, A.
Name institute: University of Queensland (Hodges, Prof. PW.)
Place / country institute: Queensland, Australia
Project: Joint research project, Estimation of spinal loads in the workplace. (Post-docs X. Xu and G. Faber)

Name staff member: Dalmijer, A.
Name institute: Liberty Mutual (Chang, Dr. M.) and Department of Environmental Health, Harvard School of Public Health (Dr. T. Dennerlein)
Place / country institute: USA
Project: Joint research project: Mechanical effects of muscle connectivity during locomotion

Name staff member: Dalmijer, A.
Name institute: Prince of Wales Medical Research Institute, (Lord, Prof. Dr. S. and Dr. D. Sturmielska)
Place / country institute: Randwick, NSW, Australia
Project: Predication of fall risk in elderly adults

Name staff member: Dalmijer, A.
Name institute: Second Affiliated Hospital of Fujian Medical University (Dr. W. Wu ) and Department of Orthopaedics, Zhongshan Hospital, Xiamen University, (Dr. C. Xia)
Place / country institute: Quanzhou and Xiamen, Fujian, P.R. China
Project: Coordination of gait in low-back and pelvic pain patients
Appendix 4: Collaboration

Name staff member: Dieën, J.H. van
Name institute: Universidade de Estado Sao Paulo, (Gobbi, Prof.dr. L.T. Bucken)
Place / country institute: Sao Paulo, Brazil
Name associate/project: Motor control of adaptive and free gait under fatigue and physically active and inactive older adults (PhD student Fabio Barbieri)

Name staff member: Dieën, J.H. van
Name institute: Department of Physical Therapy, School of Rehabilitation, University of Medical Sciences, (Mazaheri, Dr. M. and Prof. M. Parnianpour)
Place / country institute: Isfahan, Iran
Project: Reviews on postural sway in orthopedic patients

Name staff member: Dieën, J.H. van
Name institute: KU Leuven, (Brumagne, Dr. S. and Prof. L. Vanhees)
Place / country institute: Leuven, Belgium
Name associate/project: Postural sway and propriocepsis in relation to low-back pain (PhD student Henri Kiars)

Name staff member: Dieën, J.H. van
Name institute: Norwegian University of Science and Technology (Vereijken, Dr. B. and Dr. J. Helbostad)
Place / country institute: Trondheim, Norway
Name associate/project: Gait stability during prolonged walking in elderly (PhD student Espen Ihlen)

Name staff member: Dieën, J.H. van
Name institute: Université de Montpellier I and Nîmes University Hospital, (Dupeyron, Dr. A.)
Place / country institute: Montpellier and Nimes, France
Project: Stability of trunk movement

Name staff member: Dieën, J.H. van
Name institute: Movement and Sport Science, Department of Medicine, Faculty of Science, University of Fribourg, (Dr. D. Staudenmann)
Place / country institute: Fribourg, Switzerland
Project: Multi-channel EMG

Name staff member: Dieën, J.H. van
Name institute: Faculty of Human Kinetics, Technical U. of Lisbon (Armada-da-Silva, Dr. P.A.)
Place / country institute: Lisbon, Portugal
Project: Joint research project: morphological and physiological muscle properties changes in the rat denervation/reinnervation model of muscle disuse: an integrative research approach

Name staff member: Dieën, J.H. van
Name institute: School of Applied Physiology, Georgia Institute of Technology, (Nichols , Dr. T.R.)
Place / country institute: Georgia, USA
Project: Joint research project: Functional measures of motor dysfunction following disruption of peripheral motor circuits

Name staff member: Dieën, J.H. van
Name institute: Department of Neuroscience, Cell Biology, and Physiology, Wright State University, (Cope, Prof. T.C. A.)
Place / country institute: Dayton (OH), USA
Project: Collaborator on VIDI grant NWO-AW

Name staff member: Dieën, J.H. van
Name institute: University of Southampton (Stokes, Prof. M.) and University of Rio Grande del Sud (Prof. J.F. Loss)
Place / country institute: Southampton, UK and Rio Grande del Sud, Brazil
Project: Joint publications

Name staff member: Gibbs, S.
Name institute: Università degli Studi di Milano, (Dr Emanuela Corsini)
Place / country institute: Milan, Italy
Project: International collaboration leading to a publication or a work visit of at least 1 month

Name staff member: Gibbs, S.
Name institute: University of West England, (Prof. Dr J. McLoed)
Place / country institute: Bristol, UK
Project: International collaboration leading to a publication or a work visit of at least 1 month

Name staff member: Gibbs, S.
Name institute: National Food Institute, Technical University of Denmark, (Dr.C.B. Madsen)
Place / country institute: Søborg, Denmark
Project: International collaboration leading to a publication or a work visit of at least 1 month

Name staff member: Hujing, P.A.J.B.M.
Name institute: (Dr. Can Yucesoy), Bogazici University, Institute of Biomedical Engineering
Place / country institute: Istanbul, Turkey
Project: Various publications

Name staff member: Jaspers, R.
Name institute: L'Institut Cochin, (Dr. Athanassia Sotiropoulos)
Place / country institute: Paris, France
Project: Role of SRF signaling in mechanotransduction in muscle adaptation

Name staff member: Jaspers, R.
Name institute: L'Institut Cochin, (Dr. Fabine le Grand)
Place / country institute: Paris, France
Project: Satellite cell activation differentiation
Appendix 4: Collaboration

Name staff member: Jaspers, R.
Name institute: (Dr Henning Wackerhage), School of Medical Sciences, College of Life Sciences & Medicine, U. of Aberdeen
Place / country institute: Aberdeen, Scotland
Project: The role of the Hippo pathway in muscle adaptation

Name staff member: Kappers, A.
Name institute: A. Bicchi (Pisa), D. Prattichizzo (Siena), V. Hayward (Paris), E. Ricciardi (Pisa), S. Rossi (Siena), M. Santello (Arizona State University) and others
Place / country institute: Various - Pisa & Siena, Italy, Paris, France, Arizona, USA
Project: Various joint experiments and meetings: The Hand Embodied (THE, EU funded project)

Name staff member: Lips, P.T.A.M.
Name institute: (Prof Haakon Meyer), University of Oslo
Place / country institute: Oslo, Norway
Project: Dr Kristin Holvik (postdoc 5 months in Amsterdam) on causes of hip fractures, difference between Oslo and Amsterdam

Name staff member: Lips, P.T.A.M.
Name institute: (Prof Cyrus Cooper), University of Southampton
Place / country institute: United Kingdom
Project: Osteoporosis

INTERNATIONAL NON-ACADEMIC COLLABORATION

Name staff member: Gibbs, S.
Name associate: Dr E. Roggen
Name institute: Novozymes BV
Place / country institute: Bagsvaerd Denmark
International collaboration which have led to a publication or a work visit of at least 1 month

Name staff member: Gibbs, S.
Name associate: Dr T Eitze
Name institute: BASF
Place / country institute: Berlin, Germany
International collaboration which have led to a publication or a work visit of at least 1 month

Name staff member: Rie, M.A. de
Name associate: Dr. S.C. Chen and Dr. J.S. Fine
Name institute: Merck Research USA
Place / country institute: Kenilworth NJ, USA
International collaboration which have led to a publication or a work visit of at least 1 month

Name staff member: Rustemeyer, T.
Name associate: European consortium (30 international partners – multiple publications)
Name institute: Multiple in Europe (www.sensitiv.eu)
Place / country institute: Europe
International collaboration which have led to a publication or a work visit of at least 1 month
<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>University/Institution</th>
<th>Year</th>
<th>Month</th>
<th>Prom./Coprom.</th>
</tr>
</thead>
</table>
Morphological methods to evaluate local dynamic stability from small gait data sets.  
Gait stability: A modelling approach.  
Clinical and Experimental Rheumatology, 30(4), S35-S38.  
Clinical Biomechanics, 28(8), E127-E134.  
Microcirculation, 13(4), 317-323.  
EJNMMI research, 2012, 580717 -580717.


Adaptation of the dermal collagen structure of human skin and scar tissue in response to stretch: An experimental study. 


European Journal of Gastroenterology and Hepatology, 24(3), 281-287.


Appendix 5: List of publications


CONFERENCE PROCEEDINGS


