

CURRICULUM VITAE

Thomas Matheve

PERSONAL

Name: Thomas Matheve
Date of Birth: 07.03.1981
Nationality: Belgian
Residence: Leuven, Belgium



EDUCATION

<i>Year</i>	<i>Institution</i>	<i>Degree</i>	<i>Result</i>
1999-2004:	K.U.Leuven	Licentiate in physiotherapy and rehabilitation sciences	Magna cum laude
2003-2004:	K.U.Leuven	Specialization in musculoskeletal therapy	Summa cum laude

CAREER

Current position:

- PhD candidate & teaching assistant at Hasselt University, Belgium
- Research topic: Technology-supported exercise therapy for patients with chronic low back pain
- PhD defense: planned for 16th of October

Previous experience:

- 2004 - 2013: Physiotherapist in private practice for musculoskeletal rehabilitation
- 2004 – 2005: Teaching assistant musculoskeletal rehabilitation KU Leuven
- 2005 – 2006: Physiotherapist back rehabilitation (CERM), UZ Leuven
- 2008 - present: Teaching assistant at Hasselt University
- 2014 – present: Member of organizing committee Limburgs congres voor sportgeneeskunde

PUBLICATIONS IN INTERNATIONALLY PEER-REVIEWED JOURNALS

Matheve T, De Baets L, Bogaerts K, Timmermans A. Lumbar range of motion in chronic low back pain is predicted by task-specific, but not by general measures of pain-related fear. (2019) *Eur J Pain*, *accepted*

De Baets L, **Matheve T**, Meeus M, Struyf F, Timmermans A. The influence of cognitions, emotions and behavioral factors on treatment outcomes in musculoskeletal shoulder pain: a systematic review. (2019) *Clin Rehabil*, 33(6):980-991.

Matheve T, Brumagne S, Demoulin C, Timmermans A. Sensor-based postural feedback is more effective than conventional feedback to improve lumbopelvic movement control in patients with chronic low back pain: a randomised controlled trial. (2018) *J Neuroeng Rehabil*, 15(1):85.

Matheve T, Claes G, Olivieri E, Timmermans A. Serious Gaming to Support Exercise Therapy for Patients with Chronic Nonspecific Low Back Pain: A Feasibility Study. (2018) *Games Health J*, (4):262-270.

Matheve T, Brumagne S, Timmermans AAA. Response to the Letter to the Editor on "The Effectiveness of Technology-Supported Exercise Therapy for Low Back Pain: A Systematic Review". (2018) *Am J Phys Med Rehabil*, (10):e96-e97.

Matheve T, De Baets L, Rast F, Bauer C, Timmermans A. Within/between-session reliability and agreement of lumbopelvic kinematics in the sagittal plane during functional movement control tasks in healthy persons. (2018) *Musculoskelet Sci Pract*, 33:90-98.

Verbrugghe J, Knippenberg E, Palmaers S, **Matheve T**, Smeets W, Feys P, Spooren A, Timmermans A. Motion detection supported exercise therapy in musculoskeletal disorders: a systematic review. (2018) *Eur J Phys Rehabil Med*, 54(4):591-604.

Matheve T, Brumagne S, Timmermans AAA. The Effectiveness of Technology-Supported Exercise Therapy for Low Back Pain: A Systematic Review. (2017) *Am J Phys Med Rehabil*, 96(5):347-356.

Wang Q, De Baets L, Timmermans A, Chen W, Giacolini L, **Matheve T**, Markopoulos P. Motor Control Training for the Shoulder with Smart Garments. (2017) *Sensors (Basel)*, 17(7).

De Baets L, van der Straaten R, **Matheve T**, Timmermans A. Shoulder assessment according to the international classification of functioning by means of inertial sensor technologies: A systematic review. (2017) *Gait Posture*, 57:278-294.

PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES

Matheve T, De Baets L, Bogaerts K, Timmermans A. Lumbar range of motion is predicted by task-specific, but not by general measures of pain-related fear in patients with chronic low back pain. 10th Interdisciplinary World Congress on Low Back & Pelvic Girdle Pain, Antwerp – Belgium, 28-31/10/2019 (Accepted presentation).

Matheve T, Timmermans A. Virtual reality induced analgesia during exercises in patients with chronic low back pain: a randomized controlled trial. 10th Interdisciplinary World Congress on Low Back & Pelvic Girdle Pain, Antwerp – Belgium, 28-31/10/2019 (Accepted presentation).

Matheve T, Timmermans A. Virtual reality induces analgesia during and after exercises in patients with chronic low back pain: Preliminary results of a randomized controlled trial. 9th Biannual congress of the Belgian Back Society, Brussels – Belgium, 1/12/2018

Matheve T, Timmermans A. Virtual reality induces analgesia during and after exercises in patients with chronic low back pain: Preliminary results of a randomized controlled trial. 17th World congress on pain, Boston – United States, 12-16/9/2018.

Matheve T, Claes G, Olivieri E, Timmermans A. Technology-supported exercise therapy for patients with chronic non-specific low back pain: a feasibility study. The 8th Biannual congress of the Belgian Back Society, Hasselt - Belgium, 26/11/2016.

Matheve T, Claes G, Olivieri E, Timmermans A. Technology-supported exercise therapy for patients with chronic non-specific low back pain: a feasibility study. 9th Interdisciplinary World Congress of Low Back and Pelvic Girdle Pain, Singapore - Singapore, 30/10-3/11/2016.

Matheve T, Demoulin C, Claes G, Olivieri E, Timmermans A. Motor control learning at the lumbar spine using sensor-based postural feedback: preliminary results of a randomized controlled trial. 9th Interdisciplinary World Congress on Low Back & Pelvic Girdle Pain, Singapore - Singapore, 30/10-3/11/2016.

Demoulin C, George F, **Matheve T**, Jidovtseff B, Vanderthommen M. Are fatigue-related EMG-parameters correlated to trunk extensor muscles fatigue induced by the Sørensen test? 9th Interdisciplinary World Congress of Low Back and Pelvic Girdle Pain, Singapore - Singapore, 30/10-3/11/2016.

Smeets W, Knippenberg E, **Matheve T**, Palmaers S, Verbrugghe J, Hallet P, Olivieri E, Feys P, Spooren A, Timmermans A. Task oriented training using a motion detection system in persons with low back pain: a feasibility study. 9th Interdisciplinary World Congress on Low Back and Pelvic Girdle Pain, Singapore - Singapore, 31/10-03/11/2016.

Timmermans A, Bootsman R, **Matheve T**, Markopoulos P. Anthropometric Parameters for Sensor Placement in Wearable Technologies at the Trunk. Biomedica, Genk - Belgium, 2-3/6/2015.

Matheve T, Timmermans A. The effectiveness of technology-supported exercise therapy for low back pain: A systematic review. The 7th biannual congress of the Belgian Back Society, Ghent – Belgium, 29/11/2014.

Matheve T, Timmermans A. The effectiveness of technology-supported exercise therapy for low back pain: A systematic review. 15th World congress on pain, Buenos Aires - Argentina, 6-11/10/2014.

CO-SUPERVISION ON MASTER'S THESES

Mulders M. Virtual reality distraction induces analgesia in patients with chronic low back pain. Unpublished master thesis part 2, Hasselt University, 2019.

Jans S. The influence of pain-related fear and catastrophizing on motor imagery tasks in patients with chronic low back pain. Unpublished master thesis part 2, Hasselt University, 2019.

Baeten D, Daems J. The effectiveness of sensor-based postural feedback in patients with chronic non-specific low back pain and healthy subjects: a randomized controlled trial. Unpublished master thesis part 2, Hasselt University, 2018.

Denoël S. Intérêt du système Valedo pour améliorer le contrôle du mouvement de patients lombalgiques chroniques. Unpublished master thesis, Université de Liège, 2018.

Mulders M, Jans S. The effect of psychological factors on attentional distraction from pain: a literature review. Unpublished master thesis part 1, Hasselt University, 2018.

The effectiveness of tailored movement control exercises for patients with chronic non-specific low back pain: a systematic review with meta-analysis. Unpublished master thesis part 2, Hasselt University, 2018.

Gielen V, Pierreux G. De effectiviteit van sensor-gebaseerde posturale feedback bij aspecifieke chronische lage rugpijn: een randomised controlled trial. Unpublished master thesis part 2, Hasselt University, 2017.

Michel L. Contribution à l'évaluation du contrôle sensorimoteur des patients lombalgiques. Unpublished master thesis, Université de Liège, 2017.

Van Hove J, Wolters P. The effects of serious gaming on pain and fear of movement in patients with chronic low back pain. Unpublished master thesis part 2, Hasselt University, 2016.

Herbiet P. Intérêt du système Valedo dans la rééducation proprioceptive du patient lombalgique. Unpublished master thesis, Université de Liège, 2016.

Huygen J, Bruggen M. Identifying factors that could predict the treatment outcome of a multidisciplinary rehabilitation program for patients with chronic low back pain. Unpublished master thesis part 2, Hasselt University, 2015.

Van Hove J, Wolters P. The effects of virtual reality environments and serious gaming on pain and fear of movement in a low back pain population. Unpublished master thesis part 1, Hasselt University, 2015.

Vanhove C, Van Damme K. Motor learning for the lumbar spine using sensor-based postural feedback: a randomised controlled trial. Unpublished master thesis part 2, Hasselt University, 2015.

Vanherle L, Van Genechten S. Technology-supported rehabilitation for patients with chronic non-specific low back pain: Preliminary results of a pilot study. Unpublished master thesis part 2, Hasselt University, 2014.

Vanhove C, Vandamme K. An inventory of electromyographic and kinematic measurements during functional tasks in patients with low back pain. Unpublished master thesis part 1, Hasselt University, 2014.