

Curriculum Vitae (CV)



GENERAL INFORMATION

NAME	Robby De Pauw
DATE OF BIRTH	25.07.1990
PLACE OF BIRTH	Asse
NATIONALITY	Belgian
PRIVATE ADDRESS	Weversstraat 28
ADRESS	BE-9000 Ghent
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SIGNATURE	

EDUCATION

MSc. in Statistical Data Analysis *2016-2019*

Department of Statistics, Faculty of Sciences, Ghent University

PhD in Health Sciences (+ Certificate of the doctoral training program) *2013-2019*

Department of Rehabilitation, Faculty of Medicine and Health Sciences, Ghent University

Postgraduate degree in Musculoskeletal physiotherapy (Manual Therapy) *2013-2014*

Department of Rehabilitation, Faculty of Medicine and Health Sciences, Ghent University

MSc. In Rehabilitation Sciences and Physiotherapy *2008-2013*

Department of Rehabilitation, Faculty of Medicine and Health Sciences, Ghent University

ADDITIONAL COURSES TRAINING

Infectious Disease Modelling *2020*

Imperial College London, UK

Spatial Statistics and Data Analysis *2020*

FLAMES, Ghent University, Belgium

Epidemiology in Public Health Practice Specialization Johns Hopkins University, US	2020
Global Burden of Disease (GBD) online training IHME, Washington DC	2020
ICH GCP E6 R2 TRIUM, Belgium	2020
Basic ICH-GCP and ISO 14155 T!Write, Kalken	2020
Quality Manual System training T!Write, Kalken	2020
Introduction to structural equation modelling (SEM) Flames, Ghent	2019
Flames Annual Meeting - GDPR Flames, Brussels	2017
FLAMES Summer School in Methodology and Statistics, Doctoral Schools UGent, Ghent	2014
Advanced Academic English: Writing Skills (Life Sciences & Medicine), Doctoral Schools UGent, Ghent	2014
Advanced Academic English: Conference Skills, Doctoral Schools UGent, Ghent	2014
FLAMES Summer School in Methodology and Statistics, Doctoral Schools UGent, Ghent	2015
Doctoral training program, Doctoral Schools UGent, Ghent	2013/2019

PROFESSIONAL EXPERIENCE

Independent Physiotherapist – Manual Therapist Groepspraktijk OK, Zottegem	2013/2018
Research Assistant Ghent University, Ghent	2013/2019

Post-doctoral Research Assistant
Ghent University, Ghent

2019/present

Researcher
Sciensano, Brussels

2019/present

Teacher Statistics
Breederode hogeschool

2019/present

Statistical consultant
T!Write

2018/present

Independent Statistical Consultant
Ghent

2018/present

INTERNATIONAL PUBLICATIONS

Taccone, FS, Van Goethem, N., **De Pauw, R.**, Wittebole, X., Blot, K., Van Oyen, H., Lernout, T., Montourcy, M., Meyfroidt, G., Van Beckhoven, D. 2020) The Role Of Organizational Characteristics On The Outcome Of COVID-19 Patients Admitted To The ICU In Belgium, The Lancet Regional Health-Europe.

A1, original paper, Impact factor: NA, category: NA, rank: NA

Eveline, Van Looveren; Cagnie, Barbara; Coppieters, Iris; Meeus, Mira & **De Pauw, Robby** (2020). Changes in Muscle Morphology in Female Chronic Neck Pain Patients Using Magnetic Resonance Imaging., Spine.

A1, original paper, Impact factor: 2.646, category: ORTHOPEDICS, rank: 25/82 (Q2).

Pas, Roselien; Rheel, Emma; Van Oosterwijck, Sophie; Foubert, Anthe; **De Pauw, Robby**; Leysen, Laurence; Roete, Ann; Nijs, Jo; Meeus, Mira; Ickmans, Kelly (2020) Pain Neuroscience Education for Children with Functional Abdominal Pain Disorders: A Randomized Comparative Pilot Study. Journal of Clinical Medicine.

A1, original paper, Impact factor: 3.303, category: MEDICINE, GENERAL AND INTERNAL, rank: 36/165 (Q1).

Willaert, W., Malfliet, A., Coppieters, I., Lenoir, D., **De Pauw, R.**, Danneels, L. & Kregel, J. (2020). Does Pain Neuroscience Education and Cognition-Targeted Motor Control Training Improve Cervical Motor Output? Secondary Analysis of a Randomized Clinical Trial. Pain Practice.

A1, original paper, Impact factor: 2.486, category: ANESTHIOLOGY, rank: 17/31 (Q3).

Lenoir, D.*, **De Pauw, R.***, Van Oosterwijck, S., Cagnie, B., & Meeus, M. (2020). Acupuncture Versus Sham-acupuncture: A Meta-analysis on Evidence for Non-immediate Effects of Acupuncture in Musculoskeletal Disorders. The Clinical Journal of Pain.

A1, original paper, Impact factor: 2.893, category: ANESTHIOLOGY, rank: 13/31 (Q2).

*Equally contributed first authors

De Pauw, R., Aerts, H., Siugzdaite, R., Meeus, M., Coppieters, I., Caeyenberghs, K., & Cagnie, B. 2019. "Hub disruption in patients with chronic neck pain: a graph analytical approach." Pain. In Press.

A1, original paper, Impact factor: 6.029, category: NEUROSCIENCES, rank: 31/267 (Q1).

Robby De Pauw, Iris Coppieters, Karen Caeyenberghs, Jeroen Kregel, Hannelore Aerts, Dorine Lenoir, Barbara Cagnie. 2019. "Associations between brain morphology and motor performance in chronic neck pain: A whole-brain surface-based morphometry approach." Human Brain Mapping. In Press

A1, original paper, Impact factor: 4.927, category: NEUROSCIENCES, rank: 48/261 (Q1).

Dewitte, Vincent*, **Robby De Pauw***, Lieven Danneels, Katie Bouche, Arne Roets & Barbara Cagnie. 2018. "The interrater reliability of a pain mechanisms-based classification for patients with nonspecific neck pain." *Brazilian journal of physical therapy*. In Press.
A1, original paper, Impact factor: 1.699, category: REHABILITATION, rank: 41/77 (Q3).

*Equally contributed first authors

Goubert, Dorien, Mira Meeus, Tine Willems, **Robby De Pauw**, Iris Coppieters, Geert Crombez, and Lieven Danneels. 2018. "The Association Between Back Muscle Characteristics and Pressure Pain Sensitivity in Low Back Pain Patients." *Scandinavian Journal of Pain* 18 (2): 281–293.

A1, original paper, Impact factor: NA, category: NA, rank: NA.

De Meulemeester, Kayleigh, Patrick Calders, Jo Van Dorpe, **Robby De Pauw**, Mirko Petrovic, and Barbara Cagnie. 2018. "Morphological Differences in the Upper Trapezius Muscle Between Female Office Workers with and Without Trapezius Myalgia: Facts or Fiction? A Cross-sectional Study." *American Journal of Physical Medicine & Rehabilitation*.

A1, original paper, Impact factor: 1.843, category: REHABILITATION, rank: 25/65 (Q2).

De Pauw, Robby, Iris Coppieters, Tanneke Palmans, Lieven Danneels, Mira Meeus, and Barbara Cagnie. 2018. "Motor Impairment in Patients with Chronic Neck Pain: Does the Traumatic Event Play a Significant Role? a Case-control Study." *Spine Journal* 18 (8): 1406–1416.

A1, original paper, Impact factor: 3.119, category: ORTHOPEDICS, rank: 11/77 (Q1).

Malfliet, Anneleen, Jeroen Kregel, Iris Coppieters, **Robby De Pauw**, Mira Meeus, Nathalie Roussel, Barbara Cagnie, Lieven Danneels, and Jo Nijs. 2018. "Effect of Pain Neuroscience Education Combined with Cognition-targeted Motor Control Training on Chronic Spinal Pain: a Randomized Clinical Trial." *Jama Neurology* 75 (7): 808–817.

A1, original paper, Impact factor: 11.460, category: CLINICAL NEUROLOGY, rank: 5/197 (D1).

Dewitte, Vincent, **Robby De Pauw**, Kayleigh De Meulemeester, Wim Peersman, Lieven Danneels, Katie Bouche, Arne Roets, and Barbara Cagnie. 2018. "Clinical Classification Criteria for Nonspecific Low Back Pain: a Delphi-survey of Clinical Experts." *Musculoskeletal Science and Practice* 34: 66–76.

A1, original paper, Impact factor: 2.330, category: REHABILITATION, rank: 15/65 (Q1).

Coppieters, Iris, **Robby De Pauw**, Karen Caeyenberghs, Dorine Lenoir, Karel Deblaere, Eva Genbrugge, Mira Meeus, and Barbara Cagnie. 2018. "Differences in White Matter Structure and Cortical Thickness Between Patients with Traumatic and Idiopathic Chronic Neck Pain: Associations with Cognition and Pain Modulation?" *Human Brain Mapping* 39 (4): 1721–1742.

A1, original paper, Impact factor: 4.927, category: NEUROSCIENCES, rank: 48/261 (Q1).

Coppieters, Iris, **Robby De Pauw**, Karen Caeyenberghs, Lieven Danneels, Jeroen Kregel, Astrid Pattyn, Mira Meeus, and Barbara Cagnie. 2017. "Decreased Regional Grey Matter Volume in Women with Chronic Whiplash-associated Disorders: Relationships with Cognitive Deficits and Disturbed Pain Processing." *Pain Physician* 20 (7): E1025–E1051.
A1, original paper, Impact factor: 2.556, category: ANESTHESIOLOGY, rank: 16/31 (Q3).

De Meulemeester, Kayleigh, Patrick Calders, **Robby De Pauw**, Ine Grymonpon, Anke Govaerts, and Barbara Cagnie. 2017. "Morphological and Physiological Differences in the Upper Trapezius Muscle in Patients with Work-related Trapezius Myalgia Compared to Healthy Controls: a Systematic Review." *Musculoskeletal Science and Practice* 29: 43–51.
A1, original paper, Impact factor: 2.330, category: REHABILITATION, rank: 15/65 (Q1).

Malfliet, Anneleen, Iris Coppieters, Paul Van Wilgen, Jeroen Kregel, **Robby De Pauw**, Mieke Dolphens, and Kelly Ickmans. 2017. "Brain Changes Associated with Cognitive and Emotional Factors in Chronic Pain: a Systematic Review." *European Journal of Pain* 21 (5): 769–786.
A1, original paper, Impact factor: 2.991, category: ANESTHESIOLOGY, rank: 12/31 (Q2).

De Pauw, Robby*, Iris Coppieters*, Mira Meeus, Karen Caeyenberghs, Lieven Danneels, and Barbara Cagnie. 2017. "Is Traumatic and Non-traumatic Neck Pain Associated with Brain Alterations? a Systematic Review." *Pain Physician* 20 (4): 245–260.
A1, original paper, Impact factor: 2.556, category: ANESTHESIOLOGY, rank: 16/31 (Q3).
*Equally contributed first authors

Kregel, Jeroen, Iris Coppieters, **Robby De Pauw**, Anneleen Malfliet, Lieven Danneels, Jo Nijs, Barbara Cagnie, and Mira Meeus. 2017. "Does Conservative Treatment Change the Brain in Patients with Chronic Musculoskeletal Pain? : a Systematic Review." *Pain Physician* 20 (3): 139–154.
A1, original paper, Impact factor: 2.556, category: ANESTHESIOLOGY, rank: 16/31 (Q3).

Coppieters, Iris, **Robby De Pauw**, Jeroen Kregel, Anneleen Malfliet, Dorien Goubert, Dorine Lenoir, Barbara Cagnie, and Mira Meeus. 2017. "Differences Between Women with Traumatic and Idiopathic Chronic Neck Pain and Women Without Neck Pain: Interrelationships Among Disability, Cognitive Deficits, and Central Sensitization." *Physical Therapy* 97 (3): 338–353.
A1, original paper, Impact factor: 2.587, category: REHABILITATION, rank: 13/65 (Q1).

Goubert, Dorien, **Robby De Pauw**, Mira Meeus, Tine Willems, Barbara Cagnie, Stijn Schoupe, Jessica Van Oosterwijck, Evy Dhondt, and Lieven Danneels. 2017. "Lumbar Muscle Structure and Function in Chronic Versus Recurrent Low Back Pain: a Cross-sectional Study." *Spine Journal* 17 (9): 1285–1296.
A1, original paper, Impact factor: 3.119, category: ORTHOPEDICS, rank: 11/77 (Q1).

De Pauw, Robby, Iris Coppieters, Jeroen Kregel, Kayleigh De Meulemeester, Lieven Danneels, and Barbara Cagnie. 2016. "Does Muscle Morphology Change in Chronic Neck Pain Patients? a Systematic Review." *Manual Therapy* 22: 42–49.
A1, original paper, Impact factor: 2.158, category: REHABILITATION, rank: 15/65 (Q1).

Coppieters, Iris, Mira Meeus, Jeroen Kregel, Karen Caeyenberghs, **Robby De Pauw**, Dorien Goubert, and Barbara Cagnie. 2016. "Relations Between Brain Alterations and Clinical Pain Measures in Chronic Musculoskeletal Pain: a Systematic Review." *Journal of Pain* 17 (9): 949–962.

A1, original paper, Impact factor: 4.519, category: CLINICAL NEUROLOGY, rank: 31/194 (Q1).

Coppieters, Iris, Barbara Cagnie, Jo Nijs, Jessica Van Oosterwijck, Lieven Danneels, **Robby De Pauw**, and Mira Meeus. 2016. "Effects of Stress and Relaxation on Central Pain Modulation in Chronic Whiplash and Fibromyalgia Patients Compared to Healthy Controls." *Pain Physician* 19 (3): 119–130.

A1, original paper, Impact factor: 2.84, category: ANESTHESIOLOGY, rank: 11/31 (Q2).

Coppieters, Iris, Kelly Ickmans, Barbara Cagnie, Jo Nijs, **Robby De Pauw**, Suzie Noten, and Mira Meeus. 2015. "Cognitive Performance Is Related to Central Sensitization and Health-related Quality of Life in Patients with Chronic Whiplash-associated Disorders and Fibromyalgia." *Pain Physician* 18 (3): E389–E401.

A1, original paper, Impact factor: 3.407, category: ANESTHESIOLOGY, rank: 8/31 (Q2).

De Pauw, Robby, Jeroen Kregel, Cedric De Blaiser, Jens Van Ackeley, T Logghe, Lieven Danneels, and Barbara Cagnie. 2015. "Identifying Prognostic Factors Predicting Outcome in Patients with Chronic Neck Pain After Multimodal Treatment: a Retrospective Study." *Manual Therapy* 20 (4): 592–597.

A1, original paper, Impact factor: 1.869, category: REHABILITATION, rank: 15/65 (Q1).

NATIONAL AND INTERNATIONAL PRESENTATIONS

Does cervical muscle morphology changes in chronic neck pain patients? – a systematic review 2015

Presented at BBS, Belgium

Changes in brain morphology in patients with traumatic and non-traumatic neck pain. 2015

Presented at ECMT, Belgium

Are morphological alterations in patients with chronic neck pain associated with motor control? 2015

Presented at EFIC, Denmark

Changes in morphology in brain regions implicated in motor control: an association with motor behavior in patients with chronic neck pain? 2016

Presented at IFOMPT Conference, Glasgow

Discontinuation in the motor network of patients with chronic neck pain: An exploratory graph analysis approach. 2016

Presented at the Faculty research day, Belgium

Influence of kinesiophobia and symptoms of central sensitization on motor behaviour in patients with chronic neck pain 2016

Presented at IFOMPT Conference, Glasgow

Alterations in the motor network of patients with chronic neck pain: An exploratory graph theoretical analysis approach. 2016

Presented at IFOMPT Conference, Glasgow

From research to manual practice. 2016

Presented at Mathera, Belgium

Exercise Therapy Neck Pain. 2016

Presented at Kinekring Deinze, Belgium

Are central neuroplastic alterations of brain morphology involved in chronic neck pain? 2017

Presented at OHBM, Vancouver, Canada

Is traumatic and non-traumatic neck pain associated with brain alterations? - a systematic review 2017

Presented at Pain Science in Motion, Sweden

Manipulation of the brain in patients with chronic whiplash associated disorders: 2018 role of the manual therapist
Presented at University of Valencia, Spain

MEMBERSHIPS AND ASSOCIATIONS

Member of the Spine Research Unit Ghent. Dept. of Rehabilitation, Ghent University	2013/present
Member of the education committee of the MSc. In Statistical Data analysis, Faculty of Sciences, Ghent University	2016/2019
Member of the Alumni REVAKI., Dept. of Rehabilitation, Ghent University	2014/present

INTERNATIONAL COLLABORATION

International teacher's week, Seinäjoki University of applied sciences, Finland	2016
Exchange program to University of Birmingham, United Kingdom	2018

PROFESSIONAL SKILLS

Languages

Dutch	Native
English	Very Good
French	Good

Software Packages

R (and Shiny)	Very Good
SPSS	Very Good
SAS	Good
MS Office	Very Good
Open Office	Very Good
HTML	Good
CSS	Basic
Bash	Basic
Matlab	Good
Python	Basic

GENERAL INTERESTS

Running
Travelling
Hiking
Climbing