LARS COSTERS

PHD STUDENT IN MEDICAL SCIENCES

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ABOUT ME

I am a passionate and motivated guy looking for a job in the (digital) health sector.

SKILLS

CLINICAL TRIAL MANAGEMENT

DATA-ANALYSIS

PROGRAMMING

(GRANT) WRITING

CREATIVITY

GRAPHICAL DESIGN

INTERESTS

NEUROLOGICAL DISEASE

HEALTH INNOVATION

BUSINESS DEVELOPMENT

PUBLICATIONS

- **DOES INCLUDING THE FULL CVLT-II AND BVMT-R IMPROVE BICAMS? EVIDENCE FROM A BELGIAN (DUTCH) VALIDATION STUDY (2017)**
  MULTIPLE SCLEROSIS AND RELATED DISORDERS (Q1)
  CITATIONS: 6
- **SPATIOTEMPORAL AND SPECTRAL DYNAMICS OF MULTI-ITEM WORKING MEMORY AS REVEALED BY THE N-BACK TASK USING MEG (2019)**
  SUBMITTED TO HUMAN BRAIN MAPPING (Q1)

EXPERIENCE

2015 — **RESEARCH INTERNSHIP**
University College London - Institute of Neurology Queen Square
An evaluation of the efficacy of hyperoxia treatment on neurological dysfunction and structural damage in a rodent model of Multiple Sclerosis. Involved animal handling, neurological function testing, brain and spinal cord tissue handling and immunohistochemistry.

2016 — **MSC THEORETICAL AND EXPERIMENTAL PSYCHOLOGY**
Ghent University
Large distinction - Specialisation in Neuroscience with with a heavy focus on programming (C, Matlab, R), statistics and digital signal processing.

2016 — **START OF PHD IN MEDICAL SCIENCES**
Vrije Universiteit Brussel

2017 — **AWARDED FWO GRANT**
Vrije Universiteit Brussel
Awarded a personal FWO research grant for a project on cognitive impairment in Multiple Sclerosis (MS). Single-handedly coordinated and acquired MEG and MRI data from 105 subjects among which 65 MS patients. The project is focused on investigating the neurophysiology of working memory impairment in MS through magnetoencephalography (MEG).

2020 — **PLANNED END OF PHD**
Looking for a new challenge

CO-AUTHOR

- **ALTERED TRANSIENT BRAIN DYNAMICS IN MULTIPLE SCLEROSIS: TREATMENT OR PATHOLOGY? (2019)**
  HUMAN BRAIN MAPPING (Q1) - THIRD AUTHOR
- **DATA QUALITY SIGNIFICANTLY AFFECTS RESTING-STATE FMRI NETWORK PARAMETERS IN MULTIPLE SCLEROSIS (2019)**
  SUBMITTED TO BRAIN STRUCTURE AND FUNCTION (Q1) - 2ND AUTHOR

UNPUBLISHED

- **DYNAMICAL DISEASES: MODELLING THE EFFECT OF STIMULATION-BASED INTERVENTIONS ON INTRINSIC BRAIN DYNAMICS. AN APPLICATION TO EPILEPSY (2016)**
  MASTERTHESIS - LARGE DISTINCTION
- **MULTISENSORY INTEGRATION AN ADAPTIVE PROCESS? LOOKING FOR INTERSENSORY BIAS EFFECTS USING THE MCGURK EFFECT AND PIP-AND-POP TASK (2015)**
  EPO RESEARCH PROJECT MASTER DEGREE

CONFERENCES AND TALKS

- **LINEAR ALGEBRA FOR NEUROSCIENTISTS (2018)**- 1 WEEK SUMMER SCHOOL RADBOUD UNIVERSITY NIJMEGEN (NETHERLANDS)
- **NEUROTECHNOLOGY APPLICATIONS ON AGING-RELATED DISORDERS (2018)**- 2 WEEK WINTER SCHOOL AT INTERNATIONAL SCHOOL OF NEUROTECHNOLOGY HAVANA (CUBA)
- **EUROPEAN COMMITTEE FOR TREATMENT AND RESEARCH IN MULTIPLE SCLEROSIS (2018, BERLIN)** - POSTER
- **BRAINMODES (2018, HAVANA)** - POSTER
- **CUTTINGEEG (2017, GLASGOW)**
- **INTERNATIONAL MULTIPLE SCLEROSIS COGNITION SOCIETY (2017, DUSSELDORF)** - POSTER
- **MEG UK CONFERENCE (2017, OXFORD)**
- **SCIENTIFIC TALKS AT NATIONAL MULTIPLE SCLEROSIS CENTER MELSBROEK AND CENTER FOR NEUROSCIENCES PHD DAY**

BIO

- 23/04/1993
- BORN IN VILVOORDE
- LIVING IN GHENT
- LICENSED PSYCHOLOGIST

- CONTACT ME AT
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  - LARSCOSTERS@GMAIL.COM

PROGRAMMING

MATLAB	● ● ● ● ●
R	● ● ● ●
PYTHON	● ●

LANGUAGES

DUTCH	● ● ● ● ●
ENGLISH	● ● ● ● ●
FRENCH	● ● ● ●
GERMAN	● ●

EXTRA ACTIVITIES

- EDUCATIONAL PROGRAMME COMMISSION OF PSYCHOLOGY AT UNIVERSITY OF GHENT (2014)
- STUDENT REPRESENTATIVE FOR EXPERIMENTAL AND THEORETICAL PSYCHOLOGY AT UNIVERSITY OF GHENT (2014)

HOBBY'S

- COMING UP WITH IDEAS FOR START-UP COMPANIES IN HEALTH SECTOR
- DESIGNING LOGO'S FOR RESEARCH LAB, PHARMACY, FOOTBALL TEAM
- ITALIAN COOKING
- SPORTS