



## INTERDEM MEMBERS – BRIEF CURRICULUM VITAE



**NAME:** Sebastian Köhler

**TITLE:** Dr., Associate Professor

**PROFESIONAL GROUPING:** Researcher

**WORK ADDRESS:** School for Mental Health and Neuroscience, Alzheimer Centrum Limburg, Maastricht University Medical Center+, Universiteitssingel 40, 6229 ER Maastricht, The Netherlands

**TEL. WORK/WORK MOBILE:** +31-43-3884087

**EMAIL ADDRESS:** s.koehler@maastrichtuniversity.nl

**WEBLINK:** [www.alzheimercentrumlimburg.nl](http://www.alzheimercentrumlimburg.nl), <https://www.linkedin.com/in/sebastiankoehler/>

**PRESENT POSITION (e.g. Director of .....):** Associate Professor and Head of Neuroepidemiology, School for Mental Health and Neuroscience, Maastricht University Medical Center+

**HIGHEST ACADEMIC QUALIFICATION (e.g. PhD, MD etc.):** PhD

**PROFILE OF MEMBER:** I work as a senior researcher at the Alzheimer Center Limburg and lead the Neuroepidemiology group of the School for Mental Health and Neuroscience at Maastricht University. Within this line, we conduct population-based and clinical studies into the aetiology, course and prognosis of cognitive and neuropsychiatric disorders. Most studies focus on dementia, stroke and depression. Our mission is to gain knowledge into individual differences in risk and prognosis and to identify high-risk groups in order to develop new strategies for prevention and personalized treatment. For this, we conduct observational, experimental and implementation studies, and collaborate within national and international consortia, private and societal partners. We developed the LIBRA score and the MijnBreincoach app, which are used in our own as well as international awareness campaigns to improve brain health and reduce dementia risk. I co-lead the neurological studies (including cognition, psychiatry, MRI) within the population-based The Maastricht Study into brain outcomes more than 8,000 middle-aged participants, and

I am the PI of the CASPER study into cognitive impairment and psychiatric symptoms after stroke. In addition, I am a methodological consultant for various projects at MUMC+ and (inter)national consortia for longitudinal analyses, psychometrics and complex causal models and serve or have served on several expert groups including JPND, the World Health Organization and the Dutch Ministry of Health.

**AREAS OF EXPERTISE:** Epidemiology, cohort studies, prevention, public health, neuropsychology, longitudinal data analysis, meta-analysis, structural equation modelling

**KEY PUBLICATIONS (Max. 5):**

1. Schievink SJH, van Boxtel MPJ, Deckers K, van Oostenbrugge R, Verhey F, **Köhler S**. Cognitive changes in individuals with prevalent and incident cardiovascular disease: a 12-year follow-up study in the Maastricht Aging Study (MAAS). *European Heart Journal*; Epub Ahead of Print, doi: 10.1093/eurheartj/ehx365.
2. **Köhler S**, van Boxtel MJP, Jolles J, Thomas AJ, O'Brien JT, van Os J, Verhey F, Allardyce J. Depressive symptoms and cognitive decline in community-dwelling older adults. *Journal of the American Geriatrics Society* 2010; 58(5):873-879.
3. **Köhler S**, Baars MAE, Spauwen P, Schievink S, Verhey FRJ, van Boxtel MJP. Temporal evolution of cognitive changes in incident hypertension: A 12-year prospective cohort study across the adult age span. *Hypertension* 2014; 63:245-251.
4. Deckers K, van Boxtel MPJ, Schiepers OJG, de Vugt ME, Munoz JL, Anstey KJ, Brayne C, Dartigues JF, Engedal K, Kivipelto M, Ritchie K, Starr JM, Yaffe K, Irving K, Verhey F, **Köhler S**. Target risk factors for dementia prevention: a systematic review and Delphi consensus study on the evidence from observational studies. *International Journal of Geriatric Psychiatry* 2015; 30(3):234-246.
5. Hackett M, **Köhler S**, O'Brien JT, Mead GE. Neuropsychiatric consequences of stroke. *The Lancet Neurology* 2014; 13:525-534.

**RELEVANT RESEARCH ACTIVITY:**

Please indicate for past 5 years only (i) Grants Awarded: Names of investigators; Years; Title of Project; name of awarding agency (ii) PhD and other projects: Title, start or completed date.

(i) Grants

Name of the project: The role of biomarkers in cognitive and affective dysregulation: a transdiagnostic approach  
 Period: 2018-2022  
 Project coordinator: B Rutten, F Verhey  
 Other participants: S Köhler, I Ramakers, P Aalten, G Kenis, D van den Hove  
 Funded by: MHeNs/Maastricht University  
 Sum to person C.V.: €25.000

Name of the project: BIRD: Behavioural Intervention to Reduce Dementia Risk in the Digital Era  
 Period: 2018-2020  
 Project coordinator: S Köhler  
 Other participants: J Ramakers (Sananet)  
 Funded by: Health Holland/Top Sector Life Science & Health  
 Sum to person C.V.: €73.880 (PI)

Name of the project: PRECODE: Reliable estimates for young-onset dementia and pathway to care  
 Period: 2018-2021  
 Project coordinator: M de Vugt  
 Other participants: S Köhler/ FRJ Verhey/ R Koopmans/ W van der Flier/ J Papma  
 Funded by: Gieskes Strijbis Fonds, Alzheimer Nederland, Landelijk Kenniscentrum Dementie op Jonge Leefstijd,  
 Sum to person C.V.: €110.000 (WP lead)

Name of the project: MijnBreincoach: public health response for dementia risk reduction  
 Period: 2016-2019  
 Project coordinator: S Köhler/ M van Boxtel/ M de Vugt/ FRJ Verhey  
 Other participants: Kay Deckers/ Irene Heger  
 Funded by: Province Limburg, Health Foundation Limburg  
 Sum to person C.V.: €125.000 (co-PI)

Name of the project: Cognitive Behavioural Therapy for Anxiety in Parkinson's disease  
 Period: 2016-2019

Project coordinator: A Leentjens  
 Other participants: K Dujardijn/ A Moonen/ L Defebvre/ ML Kuif/ P Hofman/ M de Vugt/ S Köhler  
 Funded by: Michael J. Fox Foundation  
 Sum to person C.V.: €3.500 (methodological consult)

Name of the project: Parkin' Play  
 Period: 2016-2019  
 Project coordinator: BR Bloem  
 Other participants: ML Kuijf/ SCF van de Weijer/ AA Duits/ S Köhler/ JFA Jansen/ M Munneke/ R Kumar/ J Harrison  
 Funded by: MyCognition  
 Sum to person C.V.: €11.050 (methodological consult)

Name of the project: Cognition and Affect after Stroke: Prospective Evaluation of Risks  
 Period: 2013-2017  
 Project coordinator: S Köhler/ P Aalten/ FRJ Verhey  
 Other participants: RJ van Oostenbrugge  
 Funded by: Stichting Ariane van Rinsum Ponsen  
 Sum to person C.V.: €125.00 (co-PI)

Name of the project: In-MINDD: Innovative Midlife Intervention for Dementia Deterrence  
 Period: 2012-2015  
 Project coordinator: FRJ Verhey  
 Other participants: S Köhler/ M van Boxtel/ M de Vugt  
 Funded by: EU-FP7  
 Sum to person C.V.: €210.000 (co-WP lead)

(ii) PhD and other projects

Title project: *Food for thought: what do we know about the relation between dietary intake and mental disorders across the life span?*  
 Period: 2018  
 PhD: N/a

Title project: *MijnBreincoach/ Risk and prevention of dementia/ LIBRA*  
 Period: 2016-2021  
 PhD: Irene Heger

Title project: *Central and peripheral markers of vascular disease and depression – The Maastricht Study*  
 Period: 2017-2021  
 PhD: Anouk Geraets

Title project: *Functional connectivity in Mild Cognitive Impairment and Alzheimer's Disease – An fMRI-MEG study*  
 Period: 2015-2019  
 PhD: Himanshu Joshi

Title project: *Anxiety and risk for dementia*  
 Period: 2014-2018  
 PhD: Bernice Gulpers

Title project: *Cognition and affect after stroke: A prospective evaluation of risks (CASPER)*  
 Period: 2012-2019  
 PhD: Lieke Bakker, Syenna Schievink (finished), Elles Douven (finished)

**CURRENT RESEARCH INTERESTS/ONGOING PROJECT TITLE:** Risk and prevention of dementia, depression and the brain, determinants of cognitive and behavioural problems after stroke. Most research is done with our own data from Maastricht Ageing Study and the Maastricht Study, two population-based cohort studies and with (inter)national partners (e.g. U Cambridge, UCL, UNSW, Karolinska).

**HOW DO YOU INTEND TO CONTRIBUTE TO INTERDEM:** At the AE conference in Barcelona, a task force on dementia prevention was discussed. I intend to play a leading role within that task force given my groups expertise in this area.