

Konstantinos Tsilimparis

RESEARCH INTERN

Donders Institute for Brain, Cognition and Behavior
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Academic Positions and Work Experience

OPM-MEG Consultant

NEW YORK UNIVERSITY ABU DHABI

Comparisons between SQUID- and OPM-based MEG systems.

Skills: Data analysis, GitHub, MATLAB

Abu Dhabi, United Arab Emirates
(remote)

July 2024 – present

Master student

DONDERS INSTITUTE FOR BRAIN, COGNITION AND BEHAVIOR, MEG METHODS LAB

Supervisors: Prof. Robert Oostenveld, Dr. Jan-Mathijs Schoffelen

Examiners: Prof. Robert Oostenveld, Dr. Ashley Lewis

Thesis: Comparisons between SQUID- and OPM-based MEG systems. Thesis introduction [📄](#)

Keywords: OPMs, SQUIDs, MEG, source reconstruction, computational modelling, MATLAB

Nijmegen, Netherlands

Sep 2023 – Sep 2024

Student Trainee

MATHWORKS

Summer scholarship by MathWorks to work on FieldTrip toolbox.

Skills: Software engineering, GitHub, MATLAB

Nijmegen, Netherlands (hybrid)

June 2023 – Sep 2023

Research Assistant

ARISTOTLE UNIVERSITY OF THESSALONIKI, MEDICAL PHYSICS AND DIGITAL INNOVATION LAB

Analyzed MEG data to study the cerebro-cerebellar connectivity in Autism Spectrum Disorder.

Skills: MEG, functional connectivity, graph theory

Thessaloniki, Greece

Oct 2021 – June 2022

Bachelor Student

UNIVERSITY OF CRETE, QUANTUM PHYSICS & QUANTUM BIOLOGY LAB

Internship: Pupillometry and biometrics.

Skills: Polarization of light, laser, hands-on laboratory experience

Crete, Greece

Sep 2020 – Feb 2021

Education

Master's Degree, Cognitive Neuroscience

RADBOD UNIVERSITY

Nijmegen, Netherlands

Sep 2022 – Sep 2024

Erasmus+ Exchange Program

RADBOD UNIVERSITY

Nijmegen, Netherlands

Jan 2020 – July 2020

Bachelor's Degree, Physics

UNIVERSITY OF CRETE

Crete, Greece

Sep 2017 – Sep 2021

Conference talks

Synapsium

Nijmegen, Netherlands

OPTICALLY-PUMPED MAGNETOMETERS AT DONDERS – ABSTRACT 

April, 2024

Society of Applied Neurosciences

Thessaloniki, Greece

BETA-BAND CEREBRO-CEREBELLAR CONNECTIVITY DURING EMOTIONAL FACE PROCESSING IN ADOLESCENTS WITH AUTISM SPECTRUM DISORDER - ABSTRACT 

Sep, 2022

Scientific events organization

Conferences

CuttingEEGX

Nijmegen, Netherlands

CO-ORGANISING WITH JULIA CHAUVET & ROBERT OOSTENVELD – OFFICIAL PAGE 

Oct, 2024

CuttingGardens

Multi-hub meeting, Worldwide

CO-ORGANISED THE EVENT (GARDEN) IN NIJMEGEN – OFFICIAL PAGE 

Oct, 2023

Hands-on tutorials

Donders MEG/EEG Toolkit

Nijmegen, Netherlands

TUTOR– OFFICIAL PAGE 

May, 2024

Software development and management

FieldTrip

Contributor

MATLAB software toolbox for MEG, EEG and iEEG analysis

Scientific commitments

Teaching

Mathematical Programming using MATLAB
MASTER COGNITIVE NEUROSCIENCE
Position: Teaching Assistant
Designing the course format, assisting students during the workgroups and evaluating weekly assignments and final exams.

Radboud University
2024

Medical Physics
SCHOOL OF MEDICINE UNDERGRADUATE PROGRAMME
Individual tutoring to bachelor students.

Aristotle University of Thessaloniki
2021

Societies

2023- **CuttingEEG association**, Member

Worldwide

Outreaching

MEG/EEG community support
Supporting FieldTrip community with data analysis questions

Worldwide
2024

Journal Club organizer
Discussions on how we can improve research quality

Aristotle University of Thessaloniki
2022