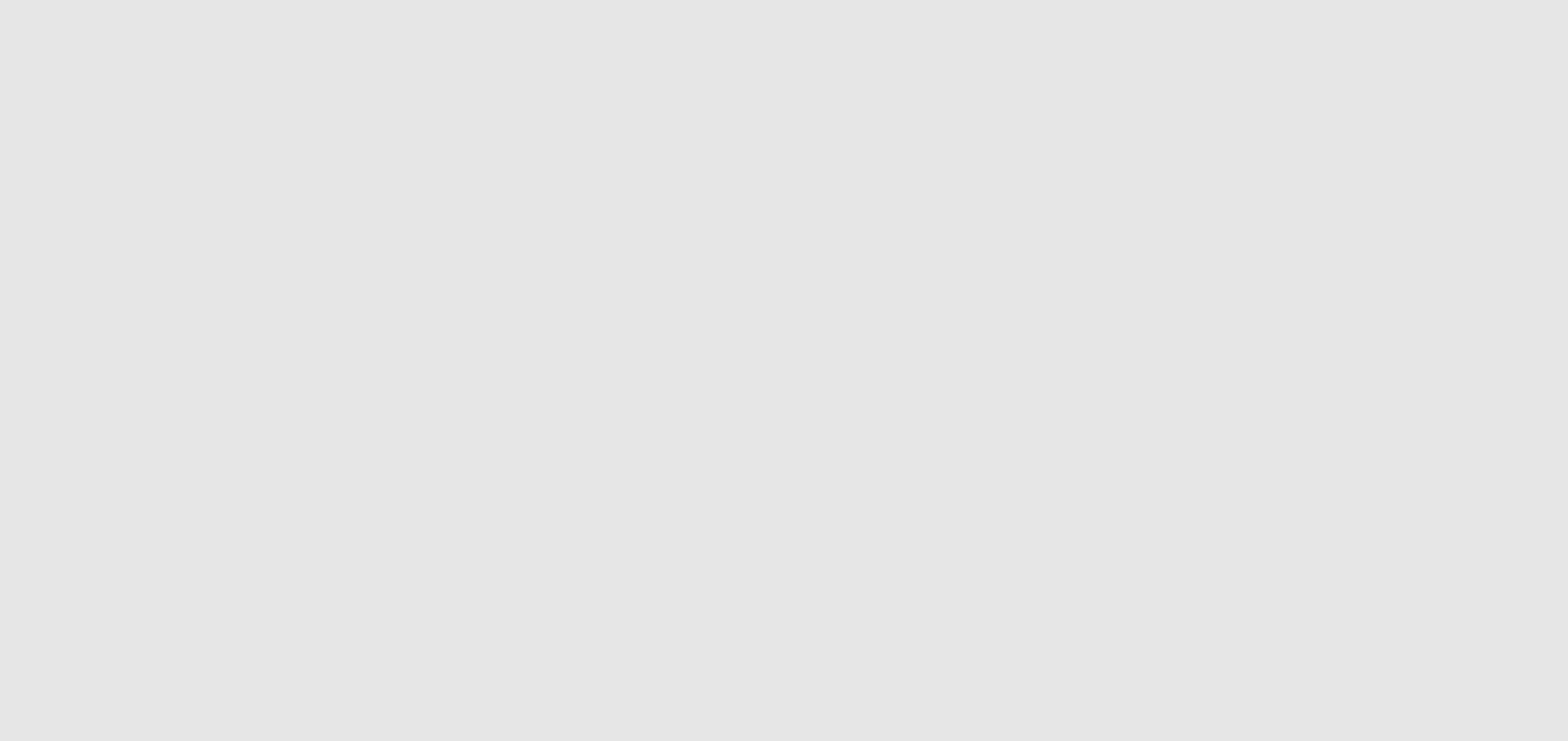
**Sung Wook Chung**

E: sungwookmonash@gmail.com • M: 0474 126 352  
linkedin.com/in/sung-wook-chung • Permanent Resident of Australia

A passionate researcher and science communicator who holds a PhD spanning disciplines of neuroscience, non-invasive brain stimulation, and mental health at Monash University, Monash Alfred Psychiatry research centre. Established the groundwork for the use of a rapid stimulation protocol (known as Theta Burst Stimulation) and developed the optimal method of application in the prefrontal cortex using electroencephalogram (EEG) as an outcome measure. Potential clinical applications include treatment of major depressive disorder and cognitive impairment. Working with both healthy and patient populations, conducts clinical trials with the highest form of care, dedication and professionalism (certification in Good Clinical Practice). Core skills:

Neurophysiology • Data / Statistical Analysis • Scientific Writing • Communication

**EDUCATION**



**Feb 2014 – Jan 2018**



**Jul 2005 – Jul 2006**

**Doctor of Philosophy, PhD | Full-Time**

**Monash University, Monash Alfred Psychiatry research centre**

PhD Title: *Developing optimal methods for theta burst prefrontal brain stimulation*

Investigating what theta burst stimulation (TBS) does in the prefrontal cortex and identifying optimal parameters of TBS in its ability to alter brain activity in humans. A novel method was developed to obtain the most robust neurophysiological and behavioural outcome.

* Coordinating clinical trials in healthy individuals
* Conducting highly specialised experiments independently and as part of a collaborative team
* Programming of MATLAB scripts and analysis of EEG data
* Effectively communicated research ideas and concepts to a variety of audiences

**Bachelor of Science (Honours – Immunology)**

**Monash University, Australia**

* Title of Honours Thesis: *The effect of HIV infection on matrix metalloproteinase (MMP) expression on monocytes and macrophage subsets*

**Feb 2004 – Jul 2005**

**PROFESSIONAL EXPERIENCE**

**Jan 2018 – PRESENT**

**Bachelor of Science**

**University of New South Wales, Australia**

* Specialisation: Medical Microbiology and Immunology, Physiology

**Post-doctoral Researcher | Full-Time**

**Monash University, Monash Alfred Psychiatry research centre**

* Recruitment and screening of research participants
* Performing non-invasive brain stimulation and   
  collecting EEG data
* Programming of MATLAB scripts
* Supervising students (1 HDR, 2 Honours)

**Feb 2014 – Jan 2018**

**Jul 2015 – Apr 2016**

**Nov 2012 – Feb 2014 /  
Apr 2009 – Dec 2010**

**Jan 2011 – Oct 2012**

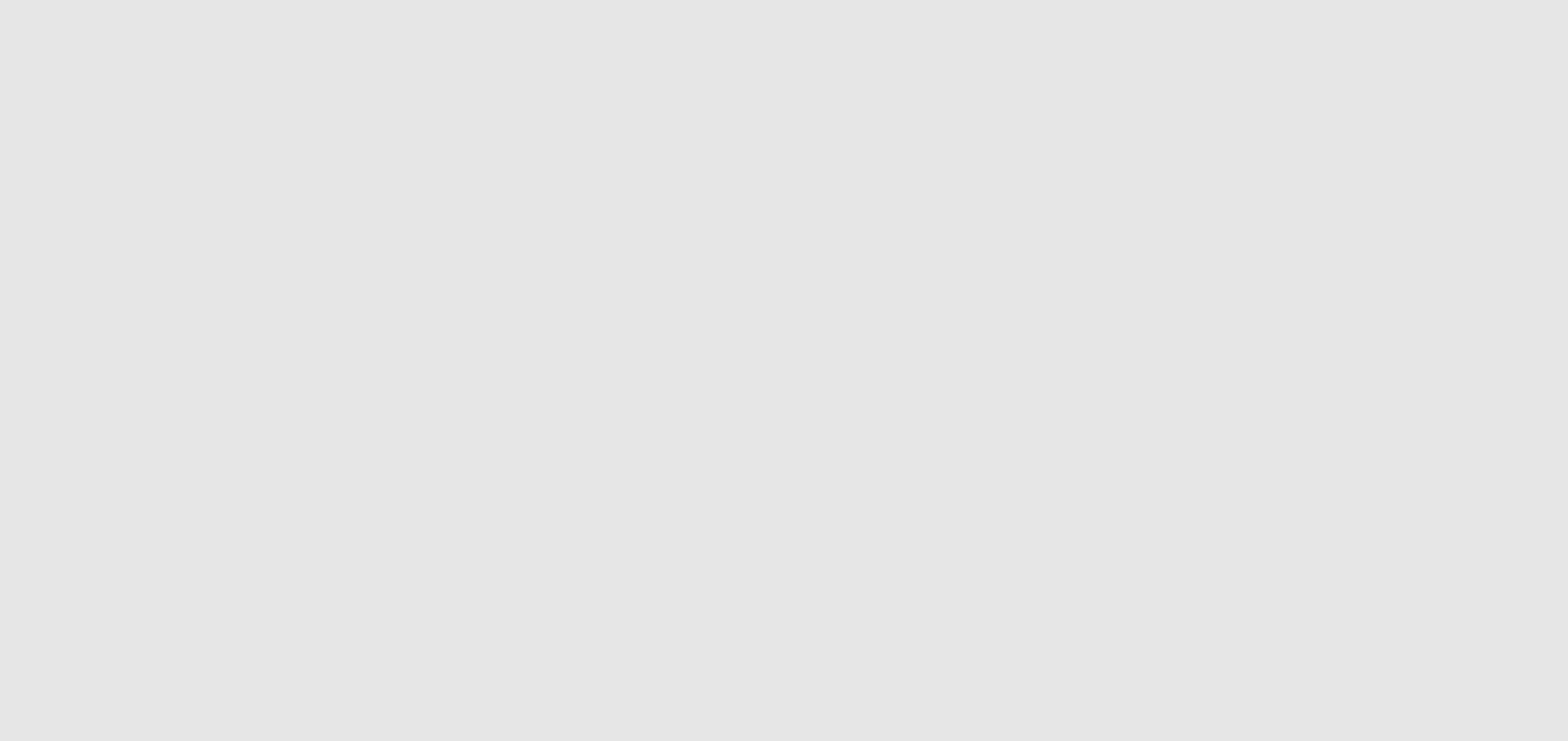
**ACHIEVEMENTS**

**2014 – 2018**

**2018**

**2017**

**2016**

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**PhD Scholar | Full-Time**

* As above

**Research Assistant | Part-Time**

**Monash University, Monash Alfred Psychiatry research centre**

* Recruitment and screening of research participants
* Collection and delivery of blood samples
* Analysis of neurophysiological data
* Writing scientific papers for publication

**Assistant Global Sales and Marketing Manager / Web Designer | Full-Time**

**Grand Vertex Trading (www.gvt.co.kr), South Korea**

* Sales and marketing
* Web design, editing and management

**Military Service**

**Intelligence Unit, South Korea**

**Co-author on 9 neuroscience publications (7 first-author)**

**Presented at 5 local and 2 international conferences**

**7 awards across local and international conferences**

**Journal Cover**

**Human Brain Mapping**

* 2/14 Neuroimaging ranking

**Outstanding Poster Award**

**2nd International Brain Stimulation Conference, Spain**

* One of 3 out of ~500 (US$500)

**Monash Graduate Scholarships (AU$26,288 per annum)**

**Faculty Graduate Research International Scholarships (AU$39,900 per annum)**

**VOLUNTEER ACTIVITIES**

**TMS course assistant**

MAPrc, Melbourne

2014 – 2018

**Professor Paul Fitzgerald**

Director of ECIMH, Epworth Healthcare

Tel: +61 3 9805 4287

E: paul.fitzgerald@monash.edu

Australasian Brain Stimulation Society

Australian Brain Alliance

**Student Representative** **De Castella Fund Run**

Alfred Precinct Student Information Session Xavier College, Melbourne

2014 – 2016 2014 – 2016

**REFEREES**

**A/Prof Kate Hoy Dr Rebecca Segrave**

Head, Cognitive Therapeutic Research Program Clinical Neuropsychologist

Tel: +61 3 9076 5034 Tel: +61 3 9905 0110  
E: kate.hoy@monash.edu E: rebecca.segrave@monash.edu

**MEMERSHIPS**

• Association of Neurophysiological Technologists of Australia (ANTA)

• Australasian Cognitive Neuroscience Society (ACNS)

**Interests**

Technology • Ukulele • Skateboarding