

# CURRICULUM VITAE

## Personal Details

**First name** Ratthaporn  
**Last name** Boonsuth  
**Date of Birth** May 8th, 1991  
**Address** Department of Radiologic Technology  
Faculty of Associated Medical Sciences  
Chiang Mai University Thailand  
**Position** Lecturer  
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## Education

2019 - 2023	<b>MPhil/PhD Institute of Neurology (Ph.D.)</b> University College London (UCL), Queen Square Institute of Neurology, London, UK
2018 - 2019	<b>MSc Advanced Neuroimaging (M.Sc.)</b> University College London (UCL), Queen Square Institute of Neurology, London, UK
2010 - 2013	<b>Bachelor of Science in Radiologic Technology (First Class Honors) (B.Sc.)</b> Chiang Mai University, Chiang Mai, Thailand

## Work Experience

2024 - present	<b>Lecturer</b> Radiologic Technology Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University, Chiang Mai, Thailand
2016 - 2018	<b>Teaching Assistant</b> Radiologic Technology Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University, Chiang Mai, Thailand
2014 - 2016	<b>Full-time Radiologic Technologist</b> Chiang Mai Ram Hospital, Chiang Mai, Thailand

## Research Interests

1. Quantitative Magnetic Resonance Imaging (qMRI)
2. Neurosciences and neuroimaging
3. Medical Image Analysis
4. Magnetic Resonance Imaging
5. Image Processing
6. Data Analysis

## Recognized Awards & Honors

1. 2024 - Educational Stipends for Students, Postdoctoral and Clinical Trainees, ISMRM
2. 2023 - Educational Stipends for Students, Postdoctoral and Clinical Trainees, ISMRM
3. 2020 - Educational Stipends for Students, Postdoctoral and Clinical Trainees, ISMRM

## List of Publication

- **Boonsuth, R.**, Kaewjaeng, S., Kaewkhao, J., Lai, C. W. K., & Kothan, S. (2018). A study of the magnetic susceptibility on gadolinium calcium silicoborate glass. *Materials Today: Proceedings*, 5(7), 14892-14895.
- Yarach, U., Saekho, S., Setsompop, K., Suwannasak, A., **Boonsuth, R.**, Wantanajittikul, K., Angkurawaranon, S., Angkurawaranon, C., & Sangpin, P. (2021). Feasibility of accelerated 3D T1-weighted MRI using compressed sensing: application to quantitative volume measurements of human brain structures. *Magma (New York, N.Y.)*, 34(6), 915–927.
- **Boonsuth, R.**, Samson, R. S., Tur, C., Battiston, M., Grussu, F., Schneider, T., Yoneyama, M., Prados, F., Ttofalla, A., Collorone, S., Cortese, R., Ciccarella, O., Gandini Wheeler-Kingshott, C. A. M., & Yiannakas, M. C. (2021). Assessing Lumbar Plexus and Sciatic Nerve Damage in Relapsing-Remitting Multiple Sclerosis Using Magnetisation Transfer Ratio. *Frontiers in neurology*, 12, 763143.
- **Boonsuth, R.**, Battiston, M., Grussu, F., Samlidou, C., Calvi, A., Samson, R. S., Gandini Wheeler-Kingshott, C. A. M. & Yiannakas, M. C. (2023). Feasibility of in vivo multi-parametric quantitative magnetic resonance imaging of the healthy sciatic nerve with a unified signal readout protocol.

## List of International Conferences

- **Ratthaporn Boonsuth**, Marco Battiston, Francesco Grussu, Marios C. Yiannakas, Torben Schneider, Rebecca S. Samson, Ferran Prados, Claudia A. M. Gandini Wheeler-Kingshott, “Evaluation of quantitative MRI parameters reproducibility across a major scanner upgrade: the example of T1”, ISMRM & SMRT Virtual Conference & Exhibition (2020) for Poster presentation, Virtual conference.
- Marios C. Yiannakas, Marco Battiston, Francesco Grussu, **Ratthaporn Boonsuth**, Rebecca S. Samson, Torben Schneider, Masami Yoneyama, Ferran Prados, Carmen Tur, Sara Collorone, Rosanna Cortese, Olga Ciccarella, and Claudia A.M. Gandini Wheeler-Kingshott, “A pilot in vivo investigation of peripheral nerve damage in multiple sclerosis using magnetisation transfer ratio”, ISMRM & SMRT Virtual Conference & Exhibition (2020) for Poster presentation, Virtual conference.

- Marios C. Yiannakas, Francesco Grussu, Marco Battiston, **Ratthaporn Boonsuth**, Rebecca S. Samson, Torben Schneider, Masami Yoneyama, Ferran Prados, Carmen Tur, Sara Collorone, Rosanna Cortese, Olga Ciccarelli, and Claudia A. M. Gandini Wheeler-Kingshott, "Reduced field-of-view multi-shell diffusion-weighted imaging of the sciatic nerve: Application to multiple sclerosis", ISMRM & SMRT Virtual Conference & Exhibition (2020) for Poster presentation, Virtual conference.
- **Ratthaporn Boonsuth**, Marco Battiston, Francesco Grussu, Marios Yiannakas, Torben Schneider, Rebecca Samson, Ferran Prados, and Claudia A. M. Gandini Wheeler-Kingshott, "Evaluation of quantitative MRI parameters reproducibility across a major scanner upgrade: spinal cord diffusion weighted (DW) imaging", ISMRM & SMRT Virtual Conference & Exhibition (2021) for Poster presentation, Virtual conference.
- Marios C. Yiannakas, **Ratthaporn Boonsuth**, Carmen Tur, Marco Battiston<sup>1</sup>, Francesco Grussu, Rebecca S. Samson, Torben Schneider, Masami Yoneyama, Ferran Prados, Sara Collorone, Rosanna Cortese, Olga Ciccarelli, and Claudia A. M. Gandini Wheeler-Kingshott, "Assessing proximal and distal peripheral nerve damage in relapsing-remitting multiple sclerosis using magnetisation transfer ratio", ISMRM & SMRT Virtual Conference & Exhibition (2021) for Poster presentation, Virtual conference.
- **Ratthaporn Boonsuth**, Rebecca S Samson, Francesco Grussu, Marco Battiston, Torben Schneider, Masami Yoneyama, Ferran Prados, Carmen Tur, Sara Collorone, Rosa Cortese, Claudia AM Gandini Wheeler-Kingshott, and Marios C Yiannakas, "Reduced field-of-view multi-shell DWI of the sciatic nerve: A reproducibility assessment", ISMRM & SMRT Conference & Exhibition (2022) for Poster presentation, United Kingdoms
- **Ratthaporn Boonsuth**, Marco Battiston, Rebecca S. Samson, Alberto Calvi, Claudia A. M. Gandini Wheeler-Kingshott, Marios C. Yiannakas, "A pilot in vivo study of the sciatic nerve in multiple sclerosis using quantitative magnetic resonance imaging", ISMRM & SMRT Conference & Exhibition (2023) for Poster presentation, Canada
- **Ratthaporn Boonsuth**, Rebecca S. Samson, Amy R. McDowell, Philippa Bridgen, Peter J Lally, John S. Thornton, Claudia A. M. Gandini Wheeler-Kingshott, Marios C. Yiannakas, "Feasibility of diffusion-weighted and magnetization transfer imaging of the healthy tibial nerve in vivo using 7 Tesla: a pilot reproducibility study", ISMRM & SMRT Conference & Exhibition (2024) for Poster presentation, Singapore.
- Francesco Grussu, **Ratthaporn Boonsuth**, Marco Battiston, Claudia A. M. Gandini Wheeler-Kingshott and Marios C. Yiannakas, "Two-axon population (TAP) modelling for large axon diffusion imaging in the peripheral nervous system", ISMRM & SMRT Conference & Exhibition (2024) for Poster presentation, Singapore.