

Mengyuan Ke

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Education

- Master of Science (Physics) | university of waterloo | 2016.09-2018.04
- Bachelor of Engineering | Soochow University | 2012.09-2016.09

Work experiences

- Research Associate at Singapore Eye Research Institute, Singapore | 2019.07-PRESENT
- Teacher at New Oriental Education, China | 2018.11-2019.05
- Teaching Assistant at University of Waterloo, Canada | 2016.09-2017.12
- Research Assistant at University of Waterloo, Canada | 2015.09-2017.12
- Internship at Suzhou New Material Industry, China | 2013.07-2013.08

Publications

(*equally contributing)

- Xinyu Liu*, **Mengyuan Ke***, et al. Robust complex conjugate artifact removal in OCT using circularly polarized light as reference. *Optical letters*. 2020
- Emily Lin*, **Mengyuan Ke***, et al. *Are choriocapillaris flow void features robust to diurnal variations?* A swept-source optical coherence tomography angiography (OCTA) study. *Scientific Reports*. 2020
- Xinwen Yao, **Mengyuan Ke**, et al. Comparison of retinal vessel diameter measurements from swept-source OCT angiography and adaptive optics ophthalmoscope. *British Journal of Ophthalmology*. 2020
- Jacqueline Chua, Bingyao Tan, **Ke Mengyuan**, et al. Diagnostic ability of individual macular layers by spectral-domain optical coherence tomography in different stages of glaucoma. *Ophthalmology Glaucoma*. 2020.
- Hon Shing Ong, Kavya Devarajan, Kai Yuan Tey, **Mengyuan Ke**, et al. Anterior Segment Optical Coherence Tomography Angiography as a Non-invasive Tool in Assessing the Severity and Activity of Corneal Neovascularization. *British Journal of Ophthalmology*. 2020
- Jacqueline Chua; Qinglan Hu; **Mengyuan Ke**, et al. Retinal microvascular Alterations in Alzheimer's Disease and Mild Cognitive Impairment. *Alzheimer's Research & Therapy*. 2020
- Jimmy Hong. **Mengyuan Ke**. et al. Effect of vessel enhancement filters on the repeatability of measurements obtained from widefield swept-source optical coherence tomography angiography. *Scientific Reports* 2020
- Feihui Zheng, Jacqueline Chua, **Mengyuan Ke**, et al. Quantitative OCT Angiography of the Retinal Microvasculature and Choriocapillaris in Highly Myopic Eyes with Myopic Macular Degeneration. *British Journal of Ophthalmology*. 2021
- Hon Shing Ong, Kai Yuan Tey, **Mengyuan Ke**, et al A pilot study investigating anterior segment optical coherence tomography angiography as a non-invasive tool in evaluating corneal vascularization. *Scientific Reports*. 2021

Conference experiences

- 2020 Oral (Second Author) presentation at Association for Research in Vision and Ophthalmology, US
- 2018 Poster (First Author) presentation at Association for Research in Vision and Ophthalmology, US

- 2017 Poster (First Author) presentation at Canadian Optometry School Research Conferences, CA
- 16th (First Author) rapid fire competition at International Myopia Conferences, UK
- 2017 Oral (First Author) presentation at Canadian Association of Physicists annual meeting, CA
- 2016 Poster (First Author) presentation at Association for Research in Vision and Ophthalmology, US
- 2014 Jiangsu Provincial exchange program at University of New South Wales, Australia

Scholarships and Awards

- 2018 Nominated Best thesis award in Science, University of Waterloo
- 2018 Graduate Research Travel Assistantships, University of Waterloo
- 2017, 2018 Graduate Research Assistantships, University of Waterloo
- 2017, 2018 Teaching Assistantships, University of Waterloo
- 2017, 2018 Marie Curie Award, University of Waterloo
- 2017, 2018 International Master's Student's Award, University of Waterloo
- 2017 Graduate Research Travel assistantship, University of Waterloo
- 2015 Study Abroad, Soowchow University
- 2014 Study abroad government funding, Jiangsu Province
- 2014 Study Abroad, Soowchow University
- 2014 Outstanding in academic performance, Soowchow University
- 2013 Outstanding in academic performance, Soowchow University
- 2012 Diligent scholarship, Soowchow University

Other experiences

- 2016.09-2017.09: Peer mentor for "2+2" international students at University of Waterloo
- 2014.09-2015.09: Vice president of student's science association at Soowchow University