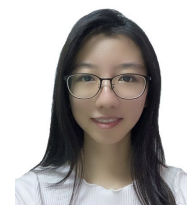


Yi Ying Ong, PhD

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Personal statement: My research interest is in the Developmental Origins of Health and Disease (DOHaD), specifically focusing on the interaction between multiple early life growth/nutrition exposures on cardiometabolic, pubertal, and cognitive markers later in childhood. The overarching goal of my research is to maximize human potential and achieve healthier populations with decreased burden of preventable diseases.



EDUCATION

NUS PhD in Medicine/Epidemiology (Department of Paediatrics)

Aug 17 – Dec 21

- PhD thesis: Early Life Determinants of Growth, Body Composition, & Cardiometabolic Risk (GUSTO cohort). Final CAP: 4.75/5.00. Supervisor: Prof Lee Yung Seng; Co-supervisor: Dr Navin Michael
- Awarded the NUS Research Scholarship with Medicine Top Up, for the top 5 best Singaporean PhD students with Highest Distinction (1st Class Hons)
- Graduate Student Representative, NUS Paediatrics Department Safety & Health Committee (Aug 18 – Aug 21)
- Nominated Liaison Officer, Global Young Scientists Summit (GYSS) 2019
- Treasurer, NUS Graduate Students' Society (Aug 17 – Aug 18)

NUS B.Sc. with Hons. (Highest Distinction) in Life Sciences

Aug 13 – May 17

- Awarded Dean's List for 4 semesters. Final CAP: 4.86/5.00
- Awarded the NUS Undergraduate (Merit) Scholarship
- Awarded the NUS Awards for Study Abroad (NASA) Exchange Scholarship for a semester-long Student Exchange Programme at Duke University (Aug 15-Dec 15)
- Completed the NUS Special Programme in Science (SPS), a rigorous interdisciplinary science programme
- Librarian, Special Programme in Science (SPS) Committee (Jan 14 – Jan 15)
- Secretary and Regular Volunteer, NVAC National University Hospital (NUH) (Sep 13 – Jul 15)

EXPERIENCE

Harvard T.H. Chan School of Public Health, Research Fellow

Jul 22 – present

- Conducted epidemiological research on the early life determinants of cognition, growth, and puberty in the Project Viva prospective cohort.

NUS Yong Loo Lin School of Medicine, Research Fellow

Nov 21 – Jun 22

- Conducted epidemiological research on the early life determinants of cardiometabolic diseases in the GUSTO prospective multi-ethnic cohort.
- Conducted data monitoring and cleaning in the Growth domain of GUSTO.

NUS Yong Loo Lin School of Medicine, Teaching Assistant

Oct 21 – Oct 21

- Assisted in online student presentation on the topic of sarcopenia for undergraduate module (LSM3217 Human Ageing)

NUS Special Programme in Science (SPS), Student Mentor

Aug 15 – Aug 20

- Mentored SPS Year 1 undergraduates in their SPS Integrated Research Project through weekly discussions. Provided critical feedback and taught literature review & scientific communication skills.

PUBLICATIONS

Ong, Y. Y., Pang, W. W., Michael, N., Aris, I. M., Sadananthan, S. A., Tint, M. T., ... & Lee, Y. S. (2022). Timing of introduction of complementary foods, breastfeeding, and child cardiometabolic risk: a prospective multi-ethnic Asian cohort study. *The American Journal of Clinical Nutrition*.

Michael, N., Gupta, V., Fogel, A., Huang, J., Chen, L., Sadananthan, S.A., **Ong, Y.Y.**, Aris, I.M., Pang, W.W., Yuan, W.L. and Loy, S.L., 2022. Longitudinal characterization of determinants associated with obesogenic growth patterns in early childhood. *International Journal of Epidemiology*.

Ong, Y.Y., Tint, M.T., Aris, I.M., Yuan, W.L., Chen, L.W., Fortier, M.V., Choo, J., Ling, L.H., Shek, L., Tan, K.H. and Gluckman, P.D., 2022. Newborn body composition and child cardiovascular risk markers: a prospective multi-ethnic Asian cohort study. *International Journal of Epidemiology*.

Sadanathan, S.A., Michael, N., Tint, M.T., Thirumurugan, K., Yuan, W.L., **Ong, Y.Y.**, Law, E., Choo, J., Ling, L.H., Shek, L. and Fabian, Y., 2022. Associations of maternal periconceptional alcohol consumption with offspring prehypertension/hypertension at age 6 years: the Growing Up in Singapore Towards healthy Outcomes prospective mother-offspring cohort study. *Journal of Hypertension*, 40(6), pp.1212-1222.

Michael, N., Sadananthan, S.A., Yuan, W.L., **Ong, Y.Y.**, Loy, S.L., Huang, J.Y., Tint, M.T., Padmapriya, N., Choo, J., Ling, L.H. and Kramer, M.S., 2022. Associations of maternal and foetoplacental factors with prehypertension/hypertension in early childhood. *Journal of Hypertension*, pp.10-1097.

Ong, Y.Y., Pang, W.W., Huang, J.Y., Aris, I.M., Sadananthan, S.A., Tint, M.T., Yuan, W.L., Chen, L.W., Chan, Y.H., Karnani, N. and Velan, S.S., 2022. Breastfeeding may benefit cardiometabolic health of children exposed to increased gestational glycemia in utero. *European Journal of Nutrition*, pp.1-13.

Tu'uhevaha, J., Tong, S., Walker, S.P., MacDonald, T.M., Cannon, P., Nguyen, T.V., Sadananthan, S.A., Tint, M.T., **Ong, Y.Y.**, Ling, L.S. and Gluckman, P.D., 2021. Maternal circulating SPINT1 is reduced in small-for-gestational age pregnancies at 26 weeks: Growing up in Singapore towards health outcomes (GUSTO) cohort study. *Placenta*, 110, pp.24-28.

Ong, Y.Y., Huang, J.Y., Michael, N., Sadananthan, S.A., Yuan, W.L., Chen, L.W., Karnani, N., Velan, S.S., Fortier, M.V., Tan, K.H. and Gluckman, P.D., 2021. Cardiometabolic profile of different body composition phenotypes in children. *The Journal of Clinical Endocrinology & Metabolism*, 106(5), pp.e2015-e2024.

Ong, Y.Y., Sadananthan, S.A., Aris, I.M., Tint, M.T., Yuan, W.L., Huang, J.Y., Chan, Y.H., Ng, S., Loy, S.L., Velan, S.S. and Fortier, M.V., 2020. Mismatch between poor fetal growth and rapid postnatal weight gain in the first 2 years of life is associated with higher blood pressure and insulin resistance without increased adiposity in childhood: the GUSTO cohort study. *International journal of epidemiology*, 49(5), pp.1591-1603.

WORKING PAPERS

Ong, Y.Y., et al. Developmental mismatch and child cognition

CONFERENCES

Timing of Introduction of Complementary Foods, Breastfeeding, and Child Cardiometabolic Risk: A Prospective Multi-Ethnic Asian Cohort Study. 2022 DOHAD ANZ conference, 10-11 Nov 2022, Adelaide. Flash talk with poster presentation.

Breastfeeding and Cardiometabolic Risk Markers in Offspring of Mothers with Increased Gestational Glycemia: The GUSTO Cohort Study. 2020 DOHAD ANZ digital trainee conference, 11 Nov 2020. Oral presentation.

Mismatch Between Fetal & Postnatal Growth: Slow fetal growth followed by rapid postnatal weight gain is associated with higher blood pressure and insulin resistance in early childhood. 11th DOHAD World Congress, 20-23 Oct 2019, Melbourne. Poster presentation.

PROFESSIONAL ASSOCIATIONS

Member, International Epidemiology Association (IEA)

Member, International DOHaD Society

REVIEWER

Abstract reviewer, The Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS) 2022

Paper reviewer, Scientific Reports

Paper reviewer, International Journal of Behavioral Nutrition and Physical Activity

ADDITIONAL INFORMATION

- Proficient in STATA, SPSS, Microsoft Office, Adobe illustrator, and had experience in using R, MATLAB, Python, C++, Wolfram Mathematica, Adobe photoshop, ITK-SNAP
- Fluent in English and Mandarin (both spoken and written)