

CV of Dr Jetty Chung-Yung Lee

1. Academic Qualification

- PhD (1999, Food & Nutritional Science, HKU)
- MPhil (1996, Food & Nutritional Science, HKU)
- B.Agr. (1993, Food Technology, Korea University)

2. Positions Held (Chronological Order)

2020-Present Senior Lecturer, Food & Nutritional Science, Lead Curriculum Coordinator, School of Biological Sciences, The University of Hong Kong

2011 – 2019 Assistant Professor, School of Biological Sciences, The University of Hong Kong

2003-2011 Research Fellow Yong Yoo Lin School of Medicine, Department of Biochemistry/Medicine, Neurobiology/Ageing Programme, National University of Singapore

1999 – 2003 Research Assistant Professor, Post-Doctoral Research Associate, Graduate School of Biotechnology Food and Biomaterial Science and Engineering Laboratory Korea University

3. Research Areas Related to Ocean Science, Technology and/or Policy

- Environmental stressors, oxidative stress and marine species.
- Food web in marine species using fatty acid as biomarkers.
- Development and measurement of oxidative damage biomarkers related to lipids in biological samples using GC/MS and LC-MS/MS.

4. Funded Research Projects as Principal Investigator (PI), Co-PI or Co-Investigator (Co-I) over the Past 5 Years (Maximum 5 Projects):

Funded Projects:

- Are crabs early warning sentinels of ecological degradation in mangroves? A case study on heavy metal pollution in Hong Kong mangroves (as Co-I), HK\$ 890,580 RGC General Research Fund (GRF), Research Grants Council, the HKSAR Government (Jan 2020-Present).
- SIRMS 2.0: Establishing Asia's premier stable isotope ratio mass spectrometry laboratory in Hong Kong (as Co-I), HK\$ 3,804,007 funded by Collaborative Research Fund of Research Grants Council, the HKSAR Government, (Jun 2019 - May 2022).
- Relationship among dietary habits, omega-3 fatty acids levels and age-related macular degeneration in the Hong Kong Chinese (as Co-I), HK\$733,394 funded by Health and Medical Research Fund (HMRF), Food and Health Bureau, Hong Kong (May 2015-Oct 2017).

5. Five Key Publications over the Past 5 Years (*Corresponding author/co-Author)

1. Leung HH, Ng AL, Durand T, Kawasaki R, Oger C, Balas L, Galano JM, Wong IY, **Lee JCY*** (2019). Increase in omega-6 and decrease in omega-3 polyunsaturated fatty acid oxidation elevates the risk of exudative AMD development in adults with Chinese diet. *Free Radical Biology & Medicine* (IF 5.734) 145:349-356.
2. Lai KP*, **Lee JCY***, Wan HT, Li JW, Wong AY, Chan TF, Oger C, Galano JM, Durand T, Leung KS, Leung CC, Li R, Wong CK (2017). Effects of in utero PFOS exposure on transcriptome, lipidome and function of mouse testis. *Environmental Science & Technology* (IF 7.149) 51: 8782-8794.
3. Roy J, Facuconnier J, Oger C, Farah C, Angebault-Prouteau C, Thiereau J, Bideaux P, Schuermann V, Bultel-Ponce V, Demion M, Galaalano Jno JM, Durand T, **Lee JCY***, Le Guennec JY* (2017). Non-enzymatic oxidized metabolite of DHA, 4(*RS*)-4-F_{4t}-neuroprostane protects the heart against reperfusion injury. *Free Radical Biology & Medicine* (IF 5.73) 102: 229-239.
4. De La Torre A, Lee YY, Massoni A, Guy A, Bultel-Ponce V, Durand T, Oger C*, **Lee JCY***, Galano JM* (2015) Total syntheses and in vivo quantitation of novel neurofuran and dihomom-isofuran derived from docosahexaenoic acid and adrenic acid. *Chemistry - A European Journal* (IF 5.160) 21: 2442-2446.
5. De La Torre A, Lee YY, Oger C, Sangild PT, Durand T, **Lee JCY***, Galano JM* (2014). Synthesis, discovery and quantitation of dihomom-isofurans: Novel biomarkers of in vivo adrenic acid peroxidation. *Angewandte Chemie Intl Ed* (IF 12.257) 53:6249-6253.

6. Awards

- 2019 The University of Hong Kong, Faculty of Science, Teaching Excellence Award.
- 2014 University of Montpellier 1, Faculty of Pharmacy, Visiting Professorship Award.
- 2014 The University of Hong Kong, Overseas Fellowship Awards.