

Name: Hugh Simon Hung San LAM

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Dr Simon Lam is currently working as Professor at the Department of Paediatrics and Assistant Dean (Education) of the Faculty of Medicine, The Chinese University of Hong Kong. He practices as a paediatrician in the neonatal unit at the Prince of Wales Hospital, Hong Kong, and his research interests are in neonatology, sleep/wake patterns in young children and environmental impact on child health. He is currently a member of the Advisory Council of the Australian New Zealand Neonatal Network, 2<sup>nd</sup> Vice President of The Hong Kong Neonatal Society and President of the Hong Kong College of Paediatricians.

### <Education and training>

BA (Cantab), MBBChir (Cantab), MA (Cantab), MD (CUHK)

DCH (HK), DCH (International), MRCPCH (UK), FHKCPaed, FHKAM(Paed), FRCPCH

### <Career History>

- Assistant Dean, Faculty of Medicine, CUHK, HK (Sep'19 – present)
- Professor, Department of Paediatrics, CUHK, HK (Aug '20 – present)
- Associate Professor, Department of Paediatrics, CUHK, HK (Aug '11 – Jul '20)
- Assistant Professor, Department of Paediatrics, CUHK, HK (Jun '08 – Jul '11)
- Resident Specialist, Department of Paediatrics, PWH, HK (Jul '07 – Jun '08)
- Resident, Department of Paediatrics, Prince of Wales Hospital, HK (Jul '01 – Jun '07)

### <Selected publications>

- Wang J, Li AM, **Lam HS**, Leung GM, Schooling CM. Sleep Duration and Adiposity in Children and Adults: Observational and Mendelian Randomization Studies. *Obesity* (Silver Spring). 2019;27(6):1013–1022.
  - Ng PC, Chan KYY, Yuen TP, Sit T, **Lam HS**, Leung KT, Wong RPO, Chan LCN, Pang YLI, Cheung HM, Chu WCW, Li K. Plasma miR-1290 Is a Novel and Specific Biomarker for Early Diagnosis of Necrotizing Enterocolitis-Biomarker Discovery with Prospective Cohort Evaluation. *J Pediatr*. 2019 Feb;205:83-90.e10. doi: 10.1016/j.jpeds.2018.09.031. Epub 2018 Oct 24.
  - Wu YZ, Chan KYY, Leung KT, **Lam HS**, Tam YH, Lee KH, Li K, Ng PC. Dysregulation of miR-431 and target gene FOXA1 in intestinal tissues of infants with necrotizing enterocolitis. *FASEB J*. 2019 Jan 9:fj201801470R. doi: 10.1096/fj.201801470R. [Epub ahead of print]
  - Chan PHY, Chan MHM, Li AM, Cheung RCK, Yu XT, **Lam HS**. Methylmercury levels in commonly consumed fish and methylmercury exposure of children and women of childbearing age in Hong Kong, a high fish consumption community. *Environ Res*. 2018 Oct;166:418-426. doi: 10.1016/j.envres.2018.06.033. Epub 2018 Jun 22.
  - Yu XT, Sadeh A, **Lam HS**, Mindell JA, Li AM. Parental behaviors and sleep/wake patterns of infants and toddlers in Hong Kong, China. *World J Pediatr*. 2017 Oct;13(5):496-502. doi: 10.1007/s12519-017-0025-6. Epub 2017 Mar 22.
- Lam HS**, Chan KY, Ip M, Leung KT, Lo NW, Wong RP, Li K, Ng PC. Rapid Identification of Bacterial Antibiotic Resistance by qPCR in Infants with Gram-Negative Septicaemia: A Proof-of-Concept Study. *Neonatology*. 2017;111(2):145-152.

- Leung KT, **Lam HS**, Chan KY, Sit T, Wong RP, Yu JW, Li K, Ng PC. Regulation of Circulating Hematopoietic Stem/Progenitor Cells in Preterm Infants with Septicemia. *Stem Cells Dev.* 2016 Oct 4.
- Hui LL, **Lam HS**, Lau EY, Nelson EA, Wong TW, Fielding R. Prenatal dioxin exposure and neurocognitive development in Hong Kong 11-year-old children. *Environ Res.* 2016 Oct;150:205-12. doi: 10.1016/j.envres.2016.06.003. Epub 2016 Jun 11.
- **Lam HS**, Sit T, Chau CL, Tam YH, Cheung HM, Wong SP, Ng PC. Attitudes of Parents and Health Care Workers to Major Surgery for High-Risk Preterm Infants. *J Pediatr.* 2016 Oct;177:78-83.e3. doi: 10.1016/j.jpeds.2016.06.071. Epub 2016 Jul 29.
- Hui LL, Chan MH, **Lam HS**, Chan PH, Kwok KM, Chan IH, Li AM, Fok TF. Impact of fetal and childhood mercury exposure on immune status in children. *Environ Res.* 2016 Jan;144(Pt A):66-72. doi: 10.1016/j.envres.2015.11.005. Epub 2015 Nov 9.
- Hui LL, **Lam HS**, Leung GM, Schooling CM. Late prematurity and adiposity in adolescents: Evidence from "Children of 1997" birth cohort. *Obesity (Silver Spring).* 2015 Nov;23(11):2309-14. doi: 10.1002/oby.21267. Epub 2015 Sep 18.
- **Lam HS**, Tam YH, Poon TC, Cheung HM, Yu X, Chan BP, Lee KH, Lee BS, Ng PC. A double-blind randomised controlled trial of fish oil-based versus soy-based lipid preparations in the treatment of infants with parenteral nutrition-associated cholestasis. *Neonatology.* 2014;105:290-6. doi: 10.1159/000358267.
- **Lam HS**, Cheung HM, Poon TC, Wong RP, Leung KT, Li K, Ng PC. Neutrophil CD64 for daily surveillance of systemic infection and necrotizing enterocolitis in preterm infants. *Clin Chem.* 2013;59:1753-60. doi: 10.1373/clinchem.2013.209536.
- **Lam HS**, Kwok KM, Chan PH, So HK, Li AM, Ng PC, Fok TF. Long term neurocognitive impact of low dose prenatal methylmercury exposure in Hong Kong. *Environ Int.* 2013;54:59-64.
- **Lam HS**, Ng PC, Chu WC, Wong W, Chan DF, Ho SS, Wong KT, Ahuja AT, Li CK. Renal screening in children after exposure to low dose melamine in Hong Kong: cross sectional study. *BMJ.* 2008;337:a2991. doi: 10.1136/bmj.a2991.
- **Lam HS**, Ng PC. Biochemical markers of neonatal sepsis. *Pathology.* 2008 Feb;40(2):141-8.
- Fok TF, **Lam HS**, Ng PC, Yip AS, Sin NC, Chan IH, Gu GJ, So HK, Wong EM, Lam CW. Fetal methylmercury exposure as measured by cord blood mercury concentrations in a mother-infant cohort in Hong Kong. *Environ Int.* 2007;33:84-92.

#### <Selected grants>

Funding source: RGC Collaborative Research Fund, study period 01/06/2020 to 31/05/2023

Study title: Using Advanced Neuroimaging to Predict Language and Cognitive Outcomes in Pre-Term Infants

Reference number: C4055-19G

Amount awarded: HK\$ 5,559,743, external competitive

Capacity: Co-Principal Investigator

Funding source: Food and Health Bureau - Health Care Promotion Scheme, study period 01/05/2018 to 30/04/2020

Study title: Implementation of a parent-led, healthcare professional mediated early developmental training programme for preterm children

Reference number: 01170788

Capacity: Principal Investigator

Funding source: Innovation and Technology Fund, study period 1/10/2017 to 30/09/2019

Study title: Umbilical cord blood mononuclear cell bank in Hong Kong and treatment of neonatal cerebral ischemia and anaemia

Reference number: ITS/208/16FX

Capacity: Co-Investigator

Funding source: RGC General Research Fund, study period 01/01/2016 to 30/06/2018

Study title: A prospective cohort study on fecal miR-223 and miR-451 as non-invasive biomarkers for surveillance and early diagnosis of necrotizing enterocolitis in preterm infants

Reference number: 14106715

Capacity: Principal Investigator

Funding source: RGC General Research Fund, study period 01/11/2014 to 31/1/2017

Study title: Associations between sleep/wake patterns and neurocognitive outcomes in Hong Kong Chinese preschoolers

Reference number: 14108114

Capacity: Principal Investigator

Funding source: Food and Health Bureau - Health Medical Research Fund, study period 01/02/2014 to 31/7/2015

Circulating Hematopoietic Stem/Progenitor Cells and Stem Cell-mobilizing Cytokines in Preterm Infants and Regulation during Late-onset Systemic Bacterial Infection

Reference number: 01120826

Capacity: Co-Investigator. Collaborated in study design and patient recruitment.

Funding source: RGC General Research Fund, study period 01/01/2012 to 30/06/2014

Study title: Factors affecting mercury concentration in commercially available seafood in Hong Kong

Ref no.: CUHK468111

Capacity: Principal Investigator

Funding source: Food and Health Bureau - Health and Medical Research Fund, study period 01/03/2014 to 30/08/2016

Study title: Characterisation of Benefit : Risk Ratios of Seafood Items Commonly Consumed by High-Risk Populations in Hong Kong

Reference number : 11120641

Capacity: Principal Investigator

Funding source: Food and Health Bureau - Health and Medical Research Fund, study period 01/01/2014 to 31/03/2015

Study title: Identification of Genetic Susceptibilities to Low-dose Mercury Exposure in Children

Reference number: 11120601

Capacity: Principal Investigator