In Mar 2019, the clinical service of paediatric oncology unit at Prince of Wales Hospital has been entirely relocated to the new Hong Kong Children’s Hospital. Our team conducts cutting-edge clinical and translational research in childhood leukaemia and stem cell transplantation. We have been the local coordinating centre for various multinational collaborative studies in the past two decades and extended the multicentre research network with paediatric oncology centres to mainland China. Ongoing research includes (i) multi-centre clinical trials on childhood leukaemia; (ii) precision oncology and functional genomics; (iii) molecular basis of leukaemogenesis and leukemia immunology; (iv) novel targeted therapies and CAR-T cells; and (v) mechanisms of haematopoietic stem cell homing.

Our Department has nine clinical and two non-clinical academic staff with research interests in paediatric and child health topics, ranging from the basic science of stem cells, microbiome and respiratory viruses to clinical research on oncology, neonatology, allergic diseases and sleep-disordered breathing. Our flagship research programmes regularly attract substantial research funding from the Research Grants Council, Food and Health Bureau, Innovative and Technology Commission, non-governmental organisations as well as pharmaceutical and nutritional companies. The Department is a core member of the Hong Kong Hub of Paediatric Excellence (HK HOPE), which is the university-level, multi-faculty and interdisciplinary research institute for coordinating paediatric and child health research. Key basic, translational and clinical research activities of the Department take place at the Hong Kong Children’s Hospital, Prince of Wales Hospital and the CUHK main campus.

**Haematology and Oncology**

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**Virology and Respiratory Epithelial Cell Biology**

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**Paediatrics**

Our clinical, teaching and research facilities are located within the Prince of Wales Hospital, the main teaching hospital affiliated with the Chinese University of Hong Kong, and the recently opened Hong Kong Children’s Hospital. As a department, we strive to improve the health and well-being of infants, children and adolescents through providing comprehensive health care, educating health professionals at both the undergraduate & postgraduate levels, and advancing knowledge through innovative research. Our Department is an internationally recognised centre for research in Allergy, Haematology & Oncology, Neonatology, Sleep Disorders and Virology in particular. We are committed to participating in the growth of world-class research through interdisciplinary & international collaboration, aimed at translating knowledge into better health outcomes & quality of life.

Albert Martin LI Man Chim
Chairman
**Neonatology**

Our neonatal research programme is based at the neonatal unit of the Prince of Wales Hospital, which includes the largest level III neonatal intensive care unit in Hong Kong. We have clinical and research collaborations with overseas units, and are a member of the Australian New Zealand Neonatal Network. Our clinical and basic science researchers collaborate closely on several important areas in neonatology. The main areas of research include (i) neonatal sepsis and necrotising enterocolitis diagnostics and pathogenesis, (ii) microbiome of the preterm infant, (iii) data-driven neonatal clinical research, and (iv) prenatal and early-life heavy metal exposure and clinical outcomes.

**Allegy**

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Sleep and Respiratory Medicine

Our research in Sleep Medicine began in 2003 with the establishment of a cohort of children along the sleep-disordered breathing (SDB) spectrum. In the years since then, we have investigated the epidemiology, basic mechanisms, complications and treatment outcomes of SDB. Utilising the sleep cohort, we have obtained important data regarding natural history and long-term outcomes from childhood SDB. We aim to develop new diagnostics, phenotyping and personalized treatment for childhood and adolescent sleep disorders, with a special focus on childhood SDB and cardiometabolic complications. Recently, we have also started to focus on the importance of adequate sleep in pre-schoolers, adolescents and children with special needs. Having received worldwide recognition for our work, our team continues to attract funding support from major grant agencies.

**Sleep and Respiratory Medicine**

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**Sleep Medicine**

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