

Brief CV

Rossa Chiu is the Choh-Ming Li Professor of Chemical Pathology and Associate Dean (Development) at the Faculty of Medicine, The Chinese University of Hong Kong. She serves as the Honorary Chief of Service of the Department of Chemical Pathology, Prince of Wales Hospital, Hong Kong. Prof Chiu studied medicine at the University of Queensland, Australia and later pursued her Doctor of Philosophy studies at The Chinese University of Hong Kong. She is a Fellow of the Royal College of Pathologists of Australasia in both Genetic Pathology and Chemical Pathology. Prof Chiu's research interests lie in the analysis of circulating nucleic acids found in human plasma. She has made significant contributions to the development of non-invasive prenatal diagnosis which led to the worldwide introduction of non-invasive plasma DNA tests for Down syndrome screening. She has continued to develop expanded applications of non-invasive prenatal diagnostics, including approaches to assess fetal single gene diseases, to detect fetal *de novo* mutations, to decipher the fetal genome and to assess tissue-of-origin of pathologies. To date, Prof Chiu has published over 175 peer-reviewed research articles and has over 300 granted patents or patent applications. Prof Chiu has received a number of awards for her research, including the 2011 International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) Young Investigator Award, the 2012 China Women in Science Fellowship, the 2013 American Association of Clinical Chemistry Outstanding Scientific Contributions for a Young Investigator and the 2016 Croucher Senior Medical Research Fellowship. She has been elected to serve as Secretary to the Board of Directors of the International Society of Prenatal Diagnosis. She was the President of the Hong Kong Society of Clinical Chemistry between 2004 to 2005.