

Prof. Kathryn Song Eng CHEAH

Prof. Kathryn S.E. CHEAH, Chair of Biochemistry and Head of Department of Biochemistry at the University of Hong Kong. She obtained her BSc (Hons) in Biology, University of London and PhD in Plant Molecular Biology, Cambridge University. She received many awards, including HKU Outstanding Researcher Award 2000, Croucher Senior Fellowship 2000-2001.

Prof. Cheah also received many external funding for her research interests which include:

Functional genomics and matrix biology, with emphasis on the molecular and developmental biology of skeletal, inner ear and heart formation. Human genetics and the molecular basis of inherited skeletal, hearing and congenital heart disorders. Genotype-phenotype relationships.

The research programme involves extensive use of transgenic and gene targeted (knockout) mice and genomic technologies (microarrays, bioinformatics) to understand gene regulation, gene function and to create phenocopies of human disease. An additional interest is in developing gene therapy approaches for inherited connective tissue disease such as Epidermolysis Bullosa. Applications of transgenic technology to establish animals as bioreactors for the production of therapeutic proteins

Prof. Cheah has many professional activities including

1. Biology & Medicine Panel member Research Grants Council HK. 1996-2002
2. Refereeing research grant applications for Arthritis and Rheumatism Council, UK; Biotechnology & Biological Sciences Research Council, UK; National Science Foundation, USA, RGC, HK., Anti-Cancer Foundation, South Australia; Wellcome Trust, UK; NHMRC, Australia, Research Grants Council, Australia, Human Frontier Science Program Organization
3. Member, UGC Research Assessment Exercise 1999-2000
4. Journal Referee, Developmental Biology, J. Medical Genetics, J. Histochemistry & Cytochemistry, Differentiation, Genomics, Journal Biological Chemistry, Molecular Cellular Biology, J. Cell Science, Genesis and others