

# Children's Cancer Institute Seminar



Thursday  
July 9, 2015  
11am – 12pm



Level 4 Common Area,  
Lowy Cancer Research  
Centre, UNSW



## Leaf Huang, Ph.D.

Fred Eshelman Distinguished Professor,  
Division of Molecular Pharmaceutics in the  
Eshelman School of Pharmacy,  
University of North Carolina at Chapel Hill

### Lipid-Stabilized Calcium Phosphate Nanoparticles for Gene and Drug

Dr. Huang's research has been in the area of gene therapy and targeted drug delivery. He has pioneered the liposome non-viral vector and has designed and manufactured the cationic lipid vector for the first non-viral clinical trial in 1992. His current work centers on nanoparticle vectors for gene transfer in tumor and liver. He also continues research in establishing a ligand targeted delivery system for cDNA, mRNA, siRNA, proteins and peptides for tumor growth inhibition and for vaccines in treating cancer and infected diseases. He has authored or co-authored more than 350 peer-reviewed papers and more than 140 reviews and book chapters with an H-index of 103. He is also the inventor or co-inventor of 17 US and foreign patents. In 2004, he received the Alec D. Bangham MD FRS Achievement Award, which is the highest honor in liposome research. He was the recipient of the 2013 Distinguished Pharmaceutical Scientist Award which is the highest scientific recognition of the American Association of Pharmaceutical Scientists. Dr. Huang has also co-founded 5 biotech start-ups in the past.

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Children's Cancer Institute Seminar Series 2015