COLLEGE OF PHARMACY
PHARMACEUTICAL SCIENCES
UNIVERSITY OF MICHIGAN

Pharmaceutical Sciences Seminar

Wednesday, March 9, 2022
4:00pm
2548 NUB or Zoom

"Overcoming Barriers To Inhaled Nucleic Acid Delivery"

Presented by:

Hugh Smyth, Ph.D.
Alcon Centennial Professor
Molecular Pharmaceutics and Drug Delivery
Editor in Chief, Drug Development and Industrial Pharmacy
College of Pharmacy
The University of Texas at Austin

Hugh D. C. Smyth is the Alcon Centennial Professor, College of Pharmacy, The University of Texas at Austin. He is also an Adjunct Associate Scientist at the Lovelace Respiratory Research Institute, Albuquerque, NM. He is also the Editor in Chief of Drug Development and Industrial Pharmacy. Dr. Smyth has started several companies resulting from technologies discovered in his laboratory including Respira Therapeutics, Nob Hill Therapeutics, Via Therapeutics, and Cloxero which are now advancing these technologies for clinical use. He has over 160 peer reviewed publications, is editor of 3 books, and an inventor on numerous patents or patent applications. He has a Pharmacy and a Ph.D. degree from the University of Otago, New Zealand. He has been faculty at The University of North Carolina at Chapel Hill, and The University of New Mexico. He was the American Association of Pharmaceutical Scientists (AAPS) New Investigator award winner for Pharmaceutics and Pharmaceutical Technologies in 2007. He also received the PhRMA Foundation New Investigator Award in pharmaceutics in 2007. His laboratory focuses on novel drug delivery systems and is funded through NIH, FDA, and industry.

Abstract: Gene delivery and gene editing therapeutics have promise to cure or significantly improve treatment of serious and devastating lung diseases yet formidable barriers have prevented products from successfully reaching patients. We have been studying drug and gene delivery in the genetically inherited disease cystic fibrosis for almost 20 years and have seen dramatic improvements in our understanding of the disease with associated growth of potential therapies in development. In this seminar, recent studies focusing on mRNA delivery to the lung will be described.

For more information on the weekly PharmSci department
Seminar series, please view our website:
https://pharmacy.umich.edu/pharmsci/seminars