NC STATE

BTEC Webinar Series

Friday, Oct 6th
10:40 am (EST)

btec
Biomanufacturing Training and Education Center

Anthony Hickey Ph.D.

Distinguished Fellow,
RTI International

BTEC room 135 and Zoom:
go.ncsu.edu/btec_seminar

Particle Technology for Dry Powder Inhalers

Dry powder inhaler products deliver drugs that are central to pulmonary disease treatment, notably asthma, chronic obstructive pulmonary and infectious diseases. Drug particle size and morphology is critical to effective aerosol generation and lung deposition where specific receptors involved in broncho-motor tone or the underlying cause of disease, inflammation are targeted. Milling and spray drying are the most frequently employed techniques for the production of respirable particles. Each offers advantages for particular applications. The benefits of specific methods of manufacture of dry powders and combination with inhaler devices will be presented in the context of critical performance characteristics to support disease therapy.

Presented by:
The Biopharmaceutical Manufacturing Interest Group (BMIG)