

Next Breath & WFF 2021

From Water to Air; Scientific Pathways towards a Clearer, Cleaner Future.

Dr. Gerhard Scheuch
CEO, GS Bio-Inhalation



Talk Title — Exhaled Aerosols and Virus
Infection

"It is important to understand, that even quiet breathing is enough to generate aerosols in the deep lung which are exhaled. A viral infection intensifies this process so that several orders of magnitude more aerosols are produced and exhaled. In that way a person becomes a 'virus superemitter' and may cause a cluster infection."

Gerhard Scheuch

Gerhard is a Bio Physicist with many years of experience in Aerosol Medicine and Pulmonary Drug Delivery, and involved in different Pharmaceutical Developments in Inhalation Therapy. He was a regulatory Expert at EMA and serves on a number of international life science boards.. He was the President of the International Society of Aerosols in Medicine (ISAM) from 2009-2011, and served as board member at ISAM 1999-2013. Gerhard is the founder and CEO of Activaero a drug development company until acquisition by Vectura Group plc in March 2014. He is also the founder of Inamed, a CRO specialized in the field of respiratory diseases and Ventaleon, which is a project company using inhaled LASAG to treat different respiratory viral infections.

Specialties: Pulmonary Deposition of inhaled Aerosols, In vitro in vivo correlation. Deposition measurements and modelling. Inhalation Product development.

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