

Inhalation

www.inhalationmag.com

August 2019 Volume 13 Number 4



Cover photo from Next Breath, arranging a Next Generation Impactor (NGI) for use in measuring aerodynamic particle size distribution (APSD). Next Breath, 1450 S. Rolling Rd., Baltimore, MD, 21227, US, Tel.: +1 443 385-8373. www.nextbreath.net

particle characterization

10 Quality requirements for cascade impactors assigned to batch release testing of a specific drug product; Part I: A grassroots look

Daryl L. Roberts

18 Issue focus: Particle characterization

particle manufacturing

29 Special section: Particle manufacturing

additional features

6 Cross-industry organizations: The Aerosol Society: DDL2019—Celebrating 30 years of the Drug Delivery to the Lungs Conference

20 Dry powder inhalers—More than 170 years of development; Where to next?

Mark J. Sanders and Alexis Harper

32 Back Page: Type of grass pollen, not total pollen count, may be useful for people with allergies

meetings

9 Previewing the Siminhale International Conference

17 Previewing the 8th MVIS Symposium and Workshop

28 A preview of the 2019 AIT Annual Meeting

departments

8 Industry news

8 Respiratory medicine news

31 Calendar