

# CROSS-INDUSTRY Organizations

## The Aerosol Society: Recent activities and a preview of DDL2022



Drug Delivery to the Lungs 2022 (DDL2022) will be presented Wednesday through Friday, December 7-9, 2022. After two years of delivering an online conference, the DDL committee is delighted to be returning to the Edinburgh International Conference Centre (EICC) this year for a live, in-person event. In addition, recognizing that not all delegates may be able to travel, the committee is pleased to offer a live-streamed, virtual attendance option.

As in prior years, the conference will feature rich scientific content, delivered through a mix of plenary and invited speakers, along with presentations selected from submitted conference papers. In addition, using a single conference stream eliminates difficult decisions as to which presentation to attend. Alongside the talks, exhibition and posters, there will be the usual warm hospitality and networking opportunities.

### The DDL Lecture and session topics

The prestigious DDL Annual Lecture will be presented by Hugh Smyth of the University of Texas. This accolade is bestowed on individuals who have made innovative and impactful contributions to the science of inhaled drug delivery.

The DDL2022 program will focus on the latest research within the area of pulmonary drug delivery and provide a balance of coverage across key areas of aerosol

science and the development of inhaled medicines. For example, CMC, and clinical and device development topics appeal to both academia and industry. The following themes will be featured and contributions on these topics are encouraged:

- Session 1. Planetary health. How can we lessen the environmental impact of the materials and processes we use to develop and manufacture inhaled drug products?
- Session 2. Translational science. How do we manage risk during the development of new inhaled medicines? Case studies and examples of new science and tools to guide medicines development through non-clinical and clinical phases.
- Session 3. Lung diseases. There are numerous diseases that affect the airways. This session will provide insights into respiratory disease, novel treatments and the challenge of delivering drugs into diseased lungs.
- Session 4. The Pat Burnell Young Investigator Competition. Early career researchers will present their data from the podium in a dynamic, interactive forum.
- Session 5. Technology innovation. Improvements in manufacturing technology and inhaler devices for delivering drugs to the lungs and systemic circulation.
- Session 6. Novel formulation design and manufacture. How are new drug modalities driving the needs for novel excipients and innovation in the ways products are formulated?

### Valued sponsors and complimentary registration for students

Being a “not for profit” organization, we would like to extend our thanks to the valued conference sponsors, without whom we would not be able to provide excellent value and a high quality DDL conference experience. Registration costs will continue to be maintained at a level that enables attendance across the breadth of industry, with attendance from academia actively encouraged.

Students will continue to enjoy complimentary registration, providing the next generation of aerosol and drug delivery researchers an extraordinary opportunity to engage with world-renowned scientists from across the aerosol and respiratory delivery field, promote their own work and gain experience participating in a premier conference in their research field.

### Awards and activities that support new talent

DDL is proud to recognize and encourage new talent through our awards and activities:

- The Pat Burnell Young Investigator Competition. Named in honor of one of the founders of the Aerosol Society, this showcase event will return again this year. Finalists for this prestigious award will have the opportunity to deliver a live presentation at DDL2022, with the winner being announced during the conference.
- The DDL Emerging Scientist Award. Entries are welcome from researchers across the

globe working in academia, industry, public service or other scientific establishments. The winner of this award will have demonstrated significant scientific accomplishment or innovation during the early stages of their career in inhalation science (within 15 years from achieving their PhD). At the conference, the winner will be announced and give a presentation describing their research achievements.

- The New Researcher Network. Following the successful launch in 2019, the conference will once again host onsite networking events organized by the network. The aim of the New Researcher Network is to develop a broad community of early career scientists and facilitate discussion surrounding research ideas/challenges, exchanges, joint projects, and personal and professional development. New and early career researchers from both academia and industry, as well as PhD students, are encouraged to participate in this group, which has expanded to include a networking LinkedIn group: [www.linkedin.com/groups/8942643](http://www.linkedin.com/groups/8942643).

tinues to deliver its series of focus meetings, training events, prizes, grants and an annual conference. The Aerosol Society has over 1,000 current members from academia and industry. In 2021, we hosted the European Aerosol Conference with more than 750 registrants from 47 countries and more than 600 abstracts.

In a major boost for UK aerosol science, a consortium of the UK's leading researchers in aerosol science have partnered with 45 industrial and public sector bodies, including the UK and Ireland Aerosol Society, to establish a new Centre for Doctoral Training in Aerosol Science with funding from the Engineering and Physical Science Research Council (EPSRC). The Centre will catalyze the synergies that exist across the discipline for new solutions to today's research challenges, aiming to transform the landscape of research and education in aerosol science in the UK, and indeed, globally. See [www.aerosol-cdt.ac.uk/](http://www.aerosol-cdt.ac.uk/).

For more information on the Aerosol Society and its activities, visit [www.aerosol-soc.com](http://www.aerosol-soc.com).

## **The Aerosol Society— Bringing academia, research and industry together for more than 30 years**

Aerosol science is at the heart of a convergence of challenges affecting society, including controlling airborne pathogen transmission, reducing uncertainties in climate predictions, delivery of drugs to the lungs and the creation of new materials. In particular, the ongoing pandemic has placed aerosol science at the forefront of policy, industry and the public eye in a way that it has perhaps never been before.

Advancing the knowledge of airborne particles for more than 30 years, The Aerosol Society con-