



EPSRC CDT in Aerosol Science New CDT 2024 Launch Event

2nd May 2024

EPSRC Centre for
Doctoral Training
in Aerosol Science



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Physical Sciences
Research Council



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New CDT 2024 Launch Event

2nd May 2024

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Please view our conference [Code of Conduct](#) to ensure all delegates have an enjoyable and fulfilling experience during our event.

Welcome

This year is an exciting year as we launch the new aerosol science CDT 2024 on Thursday 2nd May having secured funding from EPSRC for another five cohorts of student recruitment.

For academics, the launch event will provide a focus for exploring how we can advance education in aerosol science and embed Responsible Research and Innovation (RRI) in the supervision of doctoral students in this interdisciplinary field. As a partner, you will discover the mechanisms for engaging with the CDT, help define your organisational training needs and brainstorm grand challenges in aerosol science.

Both academics and partners will participate in our annual sandpit, which will provide an opportunity to discuss synergies in research, identify future opportunities for collaboration and define co-funded studentships to deliver partner research or innovation needs.

We will start celebrations with a drinks reception served on Wednesday 1st May from 6pm at the Palm Bar followed by a banquet dinner in Palm Court at 7pm at the Bristol Marriott Hotel.

We look forward to welcoming you to Bristol!
CDT Core Team



(Picture circa 1893)



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Thank you
Launch Event Sponsor





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Agenda

Thursday 2nd May 2024

Time	Activities		
09:00	Arrivals & Registration		
09:30	Welcome and introduction to CDT2024		
10:00	Looking ahead to CDT2024 through Team-Based Learning		
11:30	Break		
12:00	<table border="1"><tr><td>Forum on Education in Aerosol Science Academics (Kings Suite)</td><td>Partnerships Forum Partners (Lancaster room)</td></tr></table>	Forum on Education in Aerosol Science Academics (Kings Suite)	Partnerships Forum Partners (Lancaster room)
Forum on Education in Aerosol Science Academics (Kings Suite)	Partnerships Forum Partners (Lancaster room)		
13:00	Lunch		
14:00	Sandpit		
15:15	Break		
15:45	Sandpit		
16:45	Conclusion		

Welcome and Introduction

Looking ahead to CDT2024 through Team-Based Learning:

Our vision for CDT2024 is to deliver a Centre that 'meets user needs' and expands the reach and impact of our training and research across all relevant EPSRC strategic priorities. The Centre brings together an academic team from the Universities of Bristol (the hub), Bath, Birmingham, Cambridge, Hertfordshire, Manchester, Surrey and Imperial College London spanning science, engineering, medical, and health faculties. We will assemble a multidisciplinary team of supervisors with expertise in chemistry, physics, chemical and mechanical engineering, life and medical sciences, and environmental sciences, providing the broad perspective necessary to equip PGRs to address the challenges in aerosol science that fall at the boundaries between these disciplines. To meet user needs, we will devise and adopt an innovative Open CDT model. We will build on our collaboration of institutions and 80 industrial, public and third sector partners, working with affiliated academics and learned societies to widen global access to our training and catalyse transformative research, establishing the CDT as the leading global centre for excellence in aerosol science. In this session, we will discuss the exciting opportunities that the CDT will provide for growing a network of aerosol scientists. We will do this through Team-Based Learning, in part to share this effective and enjoyable pedagogy with those who may be unfamiliar with it.

Forum on Education in Aerosol Science:

We are delighted to welcome academics involved in supervising research in aerosol science and teaching aerosol science at the graduate level through our programme of doctoral training to our 2024 Annual Forum on Education in Aerosol Science. In our forum this year, we will explore how we can embed training and practice in responsible research into our CDT delivery.

Partnerships Forum:

We welcome all partners to our Partnerships Forum. We will discuss the different routes available for partners to engage with the CDT, introduce our new programme of accredited training for continuing professional development for partners and explore the grand challenges that aerosol science have at their core which partners face over the coming decade.



Sandpit

The Sandpit is an opportunity for academics and partners to discuss synergies in research, identify future opportunities for collaboration and define co-funded studentships to deliver partner research or innovation needs.

Broad vision across 4 thematic areas (15min)

Session 1 (35min): 1 min pitch from each member + 15 minutes discussions

Theme 1 Theme 2 Theme 3 Theme 4

More focussed discussions (30min)

Sub theme 1
Sub theme 2
Sub theme 3

Sub theme 1
Sub theme 2
Sub theme 3

Sub theme 1
Sub theme 2
Sub theme 3

Sub theme 1
Sub theme 2
Sub theme 3

Session 2

Theme 1: Environmental aerosols and health impacts

Theme 2: Inhaled aerosols: drug delivery and disease transmission

Theme 3: Aerosol measurements and modelling

Theme 4: Materials, particle fabrication and aerosol delivery



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Core Team

Prof Jonathan Reid – CDT Director
Dr Rachael Miles – CDT Course Manager
Dan Hardy – CDT Deputy Course Manager
Paul Lacey-Drake – CDT Administration Manager
Yaelle Hartley – CDT Partnerships Manager
Ka Man Kam – CDT Administrator

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