

MONDAY 16th SEPTEMBER 2024 FROM 9AM

VISIT TO CHARLES RIVER LABORATORIES, ASHLAND, OHIO – Visit sponsored by Charles River Laboratories
(<https://www.criver.com/>)

Full Details TBC (first 56 people to register only)

Draft tour details:

- Travel time to and from the CRL site is approximately 1 hour each way.
 - Pick up at the conference hotel at approximately 09:30, arrive at CRL site at approx. 10:30.
 - Tour to start at approximately 10:45
 - Delegates split into a 2-batch tour (approx. 28 people/group). The attendees will be taken to the presentation room and split into 2 groups. One group will be taken to the inhalation suite while the other group has short presentations from CRL staff followed by a Q&A session (this will take approximately 1 hour). Swap groups at approximately 11:45 and run tour/talks for another 1 hour.
 - Light lunch and refreshments provided (at approximately 12:45; 0.5 hour).
 - Short network and Q&A session after lunch (approximately 13:15 to 14:15; 1 hour).
 - Leave CRL site at approximately 14:15, back to the conference hotel at approximately 15:15-15:30.
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The 2024 AIT meeting is sponsored by Lovelace Biomedical (<https://www.lovelacebiomedical.org/>)

DRAFT PROGRAMME

DAY 1: Tuesday 17th September 2024

Time	Title	Speaker
09:00-09:10	Welcome from the Chair of the AIT	Joanne Kilgour (AIT Chair)
09:10-09:30	Exhibitors (2 minutes pitch each)	2-minute pitch by each exhibitor
Title of session TBC: NAMs / In vitro		
09:30-10:10	Complex in vitro systems (CIVMs) and Micro physiological systems (MPS) in pulmonary drug discovery and development	Ratnakar Potla (Genentech)
10:10-10:50	Regulatory acceptance of NAMs to assess hazard and safety from a CRO perspective	Mary McElroy (Charles River, Edinburgh)
10:50-11:10	Teas/coffee	Arcade area
Title of session TBC		
11:10-11:50	Critical Role of ALI in Unveiling the Impacts of Cannabis Vapor on Lung Epithelial Cells	Emily Wilson (emka TECHNOLOGIES & SCIREQ)
11:50-12:30	Status of in vitro models for respiratory sensitization – to be confirmed	Arno Gutleb (INVITROLIZE)
12:30-13:10	Aerosol dosimetry for the risk assessor: Why we need it to translate toxicity and what tools are available?	Richard Corley (Greek Creek Toxicokinetics Consulting)
13:10-14:00	Lunch	Arcade area
Title of session TBC		
14:05-14:45	High-content image analysis for profiling alveolar macrophage responses to biologics	Victoria Hutter (ImmuONE)
14:45-15:25	New Approach Methodologies (NAMs) for the <i>In Vitro</i> Assessment of Cleaning Products for Respiratory Irritation: Workshop Report	Lynne Haber (Risk Science Center Department of Environmental and Public Health Sciences)
15:25-15:45	Teas/coffee	Arcade area
Title of session TBC		
15:45-16:25	Assessing toxicity potential of inhaled drugs and chemicals: a hybrid AI approach	Divesh Bhatt (VeriSIM Life)
16:25-17:05	Round table discussion	
17:05 – 17:35	Poster session / Exhibitors	Arcade area

You are advised that the programme timings, lecture title and speakers may be subject to change without notice.

PROGRAMME

DAY 2: Wednesday 18th September 2024

Time	Title	Speaker
Title TBC - Inhaled biologics / proteins / gene and cell therapeutics, biomarkers (qualification cardiovascular and COPD)		
09:00-09:40	Impact of Change in Formulation on the Toxicology of an Inhaled Protein – An Update	Scott Manetz (AstraZeneca)
09:40-10:20	Intro to CGT including case study	Mayuri Prasad (Labcorp Drug Development)
10:20-10:50	Non-Clinical Models for Inhaled Biologics.	Philip J. Kuehl (Lovelace Biomedical)
10:50-11:10	Teas/coffee	Arcade area
	Title of session TBC	
11:10-11:50	Challenges with safety containment / aerosolization	Simon Moore (Labcorp Drug Development, UK)
11.50-12:30	The Immunogenicity of Therapeutics Administered by the inhalational Route: the Whys and Potential Mitigation Strategies.	Amy Rosenburg (EpiVax)
12:30-13:30	Lunch	Arcade area
	Title of session TBC	
13:30-14:10	Regulatory issues – biologics	David Cantu (FDA)
14:10-15:00	Round table discussion	
15:00-15:20	Teas/coffee	
Title TBC - Hot Topics - Intranasal		
15.20-16:00	The Growing Field of Nasally Delivered Therapies	Igor Gonda (Respidex LLC)
16.00-16:40	Intranasal Methodology – Challenges and Advances in Nonclinical Methods	Emily Ressegiue (Labcorp Drug Development)
16.40-17:00	Regulatory talk Intranasal – 20 minutes or possibly longer	Luqi Pei and/or Carol Galvis (FDA)
17.00-17:20	AIT Annual General Meeting	AIT committee
Network session sponsored by PETA Science Consortium International e.V. (https://www.thepsci.eu/)		
Network session from 18:00	Exhibitors and posters to be manned in the Arcade area downstairs provisionally from 18:00; reception drink and networking session (time to be confirmed)	Arcade area
Conference dinner sponsored by Cerulean (https://www.cerulean.com/en)		
Conference dinner 19:00 to 21:00	Conference dinner in the Arcade area downstairs provisionally from 19:00; Please bring your badge for ID (time to be confirmed). From 21:00 the 1890 Lounge bar area in the hotel will be open for delegates to continue networking (closes at 22:00).	Arcade area

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PROGRAMME

DAY 3: 19th September 2024

Time	Title	Speaker
Title TBC: Aerosol generation in vivo invitro / novel method of generation/ aerosol sampling		
09:00-09:40	In-vitro aerosol generation and dosimetry, with comparison to in-vivo (tbc)	Blane Stobbs (Charles River Laboratories)
09:40-10:20	Animal exposure systems / sampling	Simon Moore (Labcorp Drug Development)
10:20-10:40	Challenges of real-time exposure atmosphere sampling and analysis from whole-body chambers using GC/MS - A Case Study	Gopi Gadupudi (Charles River Laboratories)
10:40-11:00	Teas/coffee	Arcade area
Title of session TBC - Translational calculations and rare disease case study		
11:00-11:40	Translation - "Calculating the safe starting dose and maximum allowable dose for human trials of inhaled drugs using FDA paradigms"	Dale Christensen (VJO Canada Inc.)
11:40-12:20	Aerosol development of an inhaled synthetic surfactant for premature infants	Jeff Tepper (Tepper Nonclinical Consulting)
12:20-13:00	Poster session / Exhibitors	Arcade area
13:00-14:00	Lunch	Arcade area
Title TBC - Wildfires and smoke inhalation toxicology		
14:00-14:40	Evaluating the health risks of complex wildfire smoke exposures through in vitro and in silico modelling	Sarah Miller (University of North Carolina at Chapel Hill)
14:40-15:20	Impact of "Camp Fire" Smoke on Air Quality: Chemical Exposure and Health Risks	Qi Zhang (University of California, Davis)
15:20	Close of conference by Chair of the AIT	Jo Kilgour (AIT Chair)
	We wish you all a safe journey home and hope to see you all next year!!	

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