

6th INTERNATIONAL ARDS CONFERENCE
DUBLIN 19th-21st JUNE 2023

PROGRAMME

Monday, 19 June 2023

Desmond Lecture Theatre, RCSI

11:00 - 12:00	<i>Registration</i>
12:00 - 12:15	Introductions Prof Ger Curley, Prof Lorraine Ware and Prof Michael Matthay
12:15 - 14:00	ARDS Clinical Trials: Global and Personalized Medicine Perspectives <i>Moderator: Prof Tom Martin</i>
12:15 - 12:45	A global definition of ARDS Prof Michael Matthay
12:45 - 13:10	Using clinical trial data for personalized management of ARDS Dr Ewan Goligher
13:10 - 13:35	Mediation analysis to identify surrogates for ARDS trials Dr Lieuwe Bos
13:35 - 14:00	Clinical trial design - Leveraging ARDS heterogeneity Prof Taylor Thompson
14:00 - 14:30	<i>Coffee Break</i>
14:00 - 17:00	Translational Forum: New Therapeutic Targets <i>Moderator: Prof Rachel Zemans</i>
14:30 - 14:55	Immediate myeloid depot for SARS-CoV-2 in the human lung Prof Mark Looney
14:55 - 15:20	The NLRP3 Inflammasome - a therapeutic target for ARDS? Dr Rebecca Coll
15:20 - 15:45	Beneficial effects of GLP-1 analogues in sepsis induced lung injury Dr Julie Bastarache
15:45 - 16:10	Targeting the mannose-6-phosphate receptor attenuates endothelial barrier failure and lung injury Prof Wolfgang Kuebler
16:10 - 16:35	Endothelial mechanism of age dependent lung injury Dr Rebecca Hough
16:35 - 17:00	Reprogramming neutrophil responses in ARDS Prof Sarah Walmsley
17:20 - 19:00	POSTER SESSION <i>Poster Moderators: Dr Julie Bastarache, Prof Tom Martin, Dr Nuala Meyer, Prof Guy Zimmerman, Dr Rebecca Hough, Prof Martin Witzernath and Prof Sarah Walmsley</i> <i>Wine & finger food- RCSI College Hall</i>

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Tuesday, 20 June 2023

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8:30 - 8:45	Introduction Prof Ger Curley <i>and</i> Prof Michael Matthay
8:45 - 10:40	Phenotypes in ARDS and Critical Illness <i>Moderator: Prof Taylor Thompson</i>
8:45 - 9:10	New Insights In pathogenesis of hyper and hypo endotypes Prof Carolyn Calfee
9:10 - 9:35	Molecular phenotypes - two phenotypes shorten the road Dr Pratik Sinha
9:35 - 10:00	Are ARDS phenotypes predestined? Premorbid diabetes and metabolic syndrome in ARDS Prof Lorraine Ware
10:00 - 10:15	Mechanisms driving dendritic cell efflux from acutely inflamed lungs via pulmonary lymphatics Dr Simon Cleary
10:15 - 10:40	Varied host responses to severe sepsis and lung injury Dr Nuala Meyer
10:40 - 11:10	<i>Coffee Break</i>
11:10 - 13:05	New Insights in Immunologic Responses and the Microbiome in ARDS <i>Moderator: Prof Susanne Herold</i>
11:10 - 11:35	Microbiome in ARDS Dr Robert Dickson
11:35 - 12:00	Defining sepsis immune states in critical illness Prof Manu Shankar-Hari
12:00 - 12:25	Exploring the role of alveolar macrophage dysfunction in ARDS pathogenesis Dr Rahul Mahida
12:25 - 12:40	Sessile alveolar macrophage-epithelial communication in the pulmonary alveolus Dr Liberty Mthunzi
12:40 - 13:05	Neutrophil elastase as a therapeutic target in ARDS Prof Ger Curley
19:00	FACULTY GALA DINNER <i>St Stephens Green Club</i>

PROGRAMME

Wednesday, 21 June 2023

Desmond Lecture Theatre, RCSI

8:30 - 8:45	Summary of the athletic activities Prof Ger Curley, Dr Rebecca Coll and Prof Michael Matthay
8:45 - 10:25	Lung Epithelial Injury and Repair in ARDS and New Findings from the Pandemic <i>Moderator: Prof Guy Zimmerman</i>
8:45 - 9:10	Growth factors as host-directed therapies in pneumonia and ARDS to accelerate return to tissue homeostasis and barrier repair Prof Susanne Herold
9:10 - 9:35	Role of transitional cells in alveolar epithelial injury Prof Rachel Zemans
9:35 - 10:00	Plasma antigen level in COVID-19: a quantifiable measure of an ARDS risk factor Dr Angela Rogers
10:00 - 10:25	Simvastatin in COVID-19 Prof Danny McAuley
10:25 - 10:55	<i>Coffee Break</i>
10:55 - 12:50	Cell-Based Therapies including Extracellular Vesicles – Clinical Trial Results and Experimental Studies <i>Moderator: Prof Lorraine Ware</i>
10:55 - 11:20	Lessons from the REALIST trial Prof Cecilia O’Kane
11:20 - 11:45	Results of the STAT trial Prof Michael Matthay
11:45 - 12:10	Transfer from MSCs and MSC extracellular vesicles as a strategy for lung repair Dr Anna Krasnodembskaya
12:10 - 12:25	Role of mitochondrial biogenesis in modulation of endothelial permeability by MSC extracellular vesicles in pre-clinical models of ARDS Catherine McClintock
12:25 - 12:50	Cell therapies – Where are we now? Prof John Laffey
12:50 - 13:50	<i>Lunch</i>

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13:50 - 16:10	Novel Mechanistic Insights into ARDS Pathogenesis <i>Moderator: Prof Ger Curley</i>
13:50 - 14:15	Leveraging genetic variation to elucidate causal associations in ARDS <i>Dr Tiffanie Jones</i>
14:15 - 14:40	Transcriptomic signatures of lung overdistention <i>Dr Guillermo Albaiceta</i>
14:40 - 15:05	Targeting complement factors in severe pneumonia - which fish to fry? <i>Prof Martin Witzenzath</i>
15:05 - 15:20	Reprogramming of Ly6CHI monocytes in sepsis survivor mice promotes LPS-induced lung injury <i>Dr Scott Denstaedt</i>
15:20 - 15:45	Immunomodulation targeting the neutrophil in ARDS <i>Prof John Simpson</i>
15:45 - 16:10	Clinical advances: Steroids in severe community acquired pneumonia <i>Dr Katie Wick</i>
16:10 - 16:30	Thank you and adjourn <i>Prof Ger Curley, Prof Lorraine Ware, Prof Carolyn Calfee, Prof Danny McAuley, Prof John Laffey and Prof Michael Matthay</i>