DRAGON

DRAGON conference: lessons learnt from COVID-19

1-2 June 2023 – Brussels, Belgium

Thursday, 01 June 2023

Session 1 | 08:30–09:00 Central European Time (CET)
Welcome

Conference Chairs

Christopher Brightling – Institute for Lung Health (Leicester, United Kingdom)
Eva Polverino – Respiratory Disease Department, Hospital Vall D'Hebron (Barcelona, Spain)

08:30 Introduction and objectives of the meeting

Mariaelena Occhipinti – Radiomics (Liège, Belgium)

08:40 Keynote Lecture | Disease X: The 100 Days Mission to End Pandemics

Kate Kelland – Coalition for Epidemic Preparedness Innovations (London, United Kingdom)

Session 2 | 09:00–13:00 Central European Time (CET)
Panel: Clinical networks and clinical trials

Panel Chair

Joan B Soriano – Pneumology Service, Hospital Universitario La Princesa (Madrid, Spain)

09:00 How to form a clinical network
How clinical trials have been developed and approved on time
Teamwork, agility, and patient empowerment

Brice van Eeckhout – Comunicare Solutions (Seraing, Belgium)
Herman Goossens – PREPARE and RECOVER (Antwerp, Belgium)
Sara Tomassetti – Università degli Studi di Firenze – UniFI (Florence, Italy)
Samir Kumar-Singh – ORCHESTRA (Antwerp, Belgium)

10:20 Break

10:50 Discussion

DRAGON consortium panel
Helen Parks – European Lung Foundation (ELF) patient representative (United Kingdom)
Stefano Pavanello – European Lung Foundation (ELF) patient representative (Italy)

12:00 Lunch Break

Session 3 | 13:00–14:30 Central European Time (CET)
Panel: Acute COVID - diagnostics and prediction

Panel Chairs

Christopher Brightling (United Kingdom) – Eva Polverino (Spain)

13:00 Imaging strategies
Near patient tests (biomarkers)
Prediction models
How do we establish monitoring strategies

Mariaelena Occhipinti – Radiomics (Liège, Belgium)
Guang Yang – Imperial College of London (London, United Kingdom)
David Edge – IMI-KRONO (Kimbolton, United Kingdom)
Ian Selby – University of Cambridge (Cambridge, United Kingdom)
Rebekah Penrice-Randal – Top MD (Southampton, United Kingdom)

14:00 Discussion

DRAGON consortium panel
Colette Armitage – European Lung Foundation (ELF) patient representative (United Kingdom)
Natalia Maeva – European Lung Foundation (ELF) patient representative (Bulgaria)

Session 4 | 14:30–15:15 Central European Time (CET)
Panel: Long COVID - diagnostics and prediction

Panel Chairs

Christopher Brightling (United Kingdom) – Eva Polverino (Spain)

14:30 Imaging strategies
Near patient tests (biomarkers)
Prediction models
How do we establish monitoring strategies

Salman Siddiqui – Imperial College of London (London, United Kingdom)
Samir Kumar-Singh – ORCHESTRA (Antwerp, Belgium)

14:40 Discussion

DRAGON consortium panel
Fran Enright – European Lung Foundation (ELF) patient representative (Ireland)
Helen Parks – European Lung Foundation (ELF) patient representative (United Kingdom)
Mari Anne Ingebretsen – European Lung Foundation (ELF) patient representative (Denmark)

15:00 Break

Panel: AI - diagnostics and prediction

Panel Chairs

Christopher Brightling (United Kingdom) – Eva Polverino (Spain)

15:15 DRAGON artificial intelligence
Other prediction models
Personalised monitoring in at-risk groups
Challenges and recommendations on AI integration in healthcare: outcome of multi-stakeholder consultation

Guang Yang – Imperial College of London (London, United Kingdom)
Ian Selby – University of Cambridge (Cambridge, United Kingdom)
Francois Blistein – Radiomics (Liège, Belgium)
Polina Starchenko – European Lung Foundation (Brussels, Belgium)

16:15 Discussion

DRAGON consortium panel
Mari Anne Ingebretsen – European Lung Foundation (ELF) representative (Denmark)
Colette Armitage – European Lung Foundation (ELF) patient representative (United Kingdom))
Ourania Koltsida – European Lung Foundation (ELF) patient representative (Greece)

Session 6 | 16:50–18:00 Central European Time (CET)
Pandemic preparedness

Chair

Anita Simonds – Royal Brompton Hospital *(London, United Kingdom)*

16:50 Keynote Lecture | Pandemic preparedness

Gail Carson – Director of Network Development at ISARIC (Oxford, United Kingdom)

17:30 Discussion

Kit Howard – CDISC Europe Foundation (Brussels, Belgium)
Julian Hiscox – University of Liverpool (Liverpool, United Kingdom)
Herman Goossens – PREPARE and RECOVER (Antwerp, Belgium)
Scott Wagers – Biosci Consulting Bvba (Maasmechelen, Belgium)
Jessica Denning – European Lung Foundation (ELF) (Sheffield, United Kingdom)

17:50 Summary and conclusions

Christopher Brightling – Institute for Lung Health (Leicester, United Kingdom)
Eva Polverino – Respiratory Disease Department, Hospital Vall D'Hebron (Barcelona, Spain)

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Friday, 02 June 2023

Session 1 | 08:30–08:45 Central European Time (CET)
Welcome

08:30   DRAGON: Questions and strategies

Christopher Brightling – Institute for Lung Health (Leicester, United Kingdom)
Eva Polverino – Respiratory Disease Department, Hospital Vall D'Hebron (Barcelona, Spain)

Session 2 | 08:45–09:30 Central European Time (CET)
Challenges of data collection and sharing

Chairs: *Christopher Brightling (United Kingdom) – Eva Polverino (Spain)*

Moderated discussion

08:45   Data collection for AI model development
Data sharing vs. data protection
Standardized data structures

Ian Selby – University of Cambridge (Cambridge, United Kingdom)
Kit Howard – CDISC Europe Foundation (Brussels, Belgium)
Victor Stoimenov – MedTech Europe (Brussels, Belgium)
Rebekah Penrice-Randal – Top MD (Southampton, United Kingdom)

Session 3 | 09:30–11:00 Central European Time (CET)
Huddle-by-table

09:30   What are the scientific questions around clinical trials and biomarkers?

DRAGON consortium members with audience

10:15   Reporting

10:30   Break

Session 4 | 11:00–12:30 Central European Time (CET)
Huddle-by-table

11:00   What are the public health priorities and strategies?

DRAGON consortium members with audience

11:45   Reporting

12:00   Wrap-up & Next steps