



European Cystic Fibrosis Society Diagnostic Network Working Group

Coordinator: Nico Derichs
http://www.ecfs.eu/ecfs_dnwg



16th Annual Meeting, Tunis, Tunisia

14-16 February 2019

Organizing committee:

Samia Hamouda, Bechir Hamza Children's Hospital of Tunis, Tunisia
Valerie Mühlbacher, ECFS DNWG Assistant, Berlin, Germany
Nico Derichs, ECFS DNWG Coordinator, Hannover, Germany

Scientific Program

Thursday 14 February 2019

13:30 Arrival and coffee

14:00 Welcome – Samia Hamouda (Tunis, Tunisia)
Nico Derichs (Hannover, Germany)

Session 1: Focus on CF in Tunisia (Chair: Samia Hamouda)

14:10 Evolution of CF features in Tunisia from the 2000s to 2010s –
Samia Hamouda (Tunis, Tunisia)

14:40 Implication of modifier genes in clinical variability of CF: Tunisian experience –
Sondess Hadj Frej (Tunis, Tunisia)

15:10 Which improvements in CF diagnostics and care can be made by the 2020s? –
Samia Hamouda (Tunis, Tunisia)

15:30 Discussion & Feedback

15:45 - Coffee break -

Session 2: Current practice and challenges of diagnosing CF in ... (Chair: Valerie Mühlbacher)

16:15 Algeria - Warda Drali (Algier, Algeria)

16:40 Egypt - Walaa Shahin (Cairo, Egypt)

17:05 Qatar - Ataqah AbdulWahab (Doha, Qatar)

17:30 - Evening programme -

Friday 15 February 2019

**Session 3: Revisiting the diagnostic features of CF – clinical opportunities and pitfalls
(Chair: Elke De Wachter)**

- 9:00 CF Symptoms – Nico Derichs (Hannover, Germany)
- 9:30 CF Family history – Jane Davies (London, UK)
- 10:00 CF Newborn Screening - Anne Munck (Paris, France)
- 10:30 - Coffee break -**

Session 4: What have we learned from functional CFTR assays? (Chair: Nicholas Simmonds)

- 11:00 CFTR function in the respiratory epithelium: nasal PD and nasal epithelial cells – George Marty Solomon (Birmingham, USA)
- 11:45 Variability of nasal PD measurements – Isabelle Sermet (Paris, France)
- 12:15 CFTR assays in intestinal organoids and biopsies: lessons learned from comparative measurements - Hugo de Jonge (Rotterdam, Netherlands)
- 12:45 - Lunch break & Group picture -**

Session 5: ECFS DNWG Position papers on CFTR function (Chair: Nico Derichs)

- 15:00 Improving sweat test performance in Europe - Natalia Cirilli/Nico Derichs
- 15:30 Nasal potential difference for diagnosing CF – Inez Bronsveld (Utrecht, Netherlands)
- 16:00 Intestinal current measurement for diagnosing CF – Nico Derichs (Hannover, Germany)
- 16:30 - Coffee break -**

Session 6: The future of ECFS: young blood and sweat for the Society (Chair: Paola Melloti)

- 16:45 Young Investigator 1: Skin wipe sweat sampling and analysis: New insights and method developments - Pavol Ďurč (Brno, Czech Republic)
- 17:05 Young Investigator 2: Non-invasive image-controlled β -adrenergic sweat test by iontophoresis - Audrey Reynaerts (Brussels, Belgium)
- 17:20 Young Investigator 3: Preliminary evaluation of CFTR Corrector/Potentiator in Phe508del Homozygous CF patients by Ratiometric sweat secretion optical (RSSO) test – Karina Kleinfelder (Verona, Italy)
- 17:40 Young Investigator 4: Development of the rectal organoid morphology analysis (ROMA) as a diagnostic test for CF – Senne Cuyx (Leuven, Belgium)
- 18:00 Young Investigator 5: Differentiation in the Lung Clearance Index connected with microbiological status in children with CF – Magdalena Postek (Warsaw, Poland)
- 18:20 Young Investigator Award ceremony
- 18:30 - Evening programme -**

Saturday 16 February 2019

**Session 7: Celebrating 30 years of *CFTR* genotyping
(Chair: Caroline Raynal)**

- 9:00 Penetrance as a critical parameter for assessing the disease liability of variants -
Emmanuelle Girodon (Paris, France)
- 9:30 Phenotypic spectrum and functional characterization of recurrent deep intronic disease-
causing variants in the *CFTR* gene - Caroline Raynal (Montpellier, France)
- 10:00 Survey on genetic counselling practices in France (Marie-Pierre Audrézet, Emmanuelle
Girodon, Caroline Raynal)
- 10:30 - Coffee break -**

**Session 8: Interaction between ECFS DNWG and other ECFS Projects and Groups
(Chair: Nico Derichs)**

- 11:00 ECFS Education - Daniel Peckham (Leeds, UK)
- 11:30 ECFS Newborn Screening Working Group – Anne Munck (Paris, France)
- 12:00 ECFS Diagnostic Network Working Group: roadmap to the 2020s – Nico Derichs
(Hannover, Germany)
- 12:30 - End of meeting -**

The meeting is kindly supported by:

