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 Šurč (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: