

14th Scientific Meeting

25th – 26th September 2014
Waldthausen/Mainz



CF Newborn Screening and Monitoring

CF related Basis Science
Clinical CF Research

and results of research projects
funded by the Mukoviszidose e.V.

Programme

Thursday, 25 September 2014

12:30 Opening Stephan Kruip, Chairman Mukoviszidose e.V.
Olaf Sommerburg, member of the scientific
board of the Mukoviszidose e. V. (FGM)

CF related Basic Science

Moderation: Dominik Hartl (Tübingen, Germany)
Michael Hogardt (Frankfurt, Germany)

12:40 – 01:00 pm **Characterization of the mechanosensitivity of CFTR**

Constanze Vitzthum (Gießen, Germany)

01:05 – 01:25 pm **Peptidic inhibitors to rescue delta F508-CFTR in Cystic Fibrosis**

Anja Heiduk (Berlin, Germany)

01:30 – 01:50 pm **Generation of disease-specific iPSCs and reporter cell lines for CF disease modeling and drug screening**

Madline Götz (Hannover, Germany)

01:55 – 02:15 pm **Impaired TLR4 and HIF expression in CF bronchial epithelial cells downregulates hemoxygenase-1 and alters iron homeostasis in vitro**

Shashi Chillappagari (Marburg, Germany)

02:15 – 02:50 pm **Discussion & Coffee Break**

02:50 – 03:10 pm **Antibiotic-free nanotherapeutics: Mucus-penetrating nanoparticles enhance pulmonary delivery and efficacy of quorum sensing inhibitors**

Nazende Günday Türeli (Marburg, Germany)

03:15 – 03:35 pm **CFTR gene engineering and CFTR repair**
N.N.

Clinical CF Research

- Moderation: Helge Hebestreit (Würzburg, Germany)
Andreas Jung (Zürich, Switzerland)
- 03:40 – 04:00 pm** **Antiviral activity of azithromycin in cystic fibrosis airway epithelial cells**
Marco Alves (Bern, Switzerland)
- 04:05 – 04:25 pm** **Internet-based psychological support for parental caregivers: results of a pilot study**
Astrid Fidika (Ulm, Germany)
- 04:25 – 05:00 pm** **Discussion & Coffee Break**
- 05:00 – 05:20 pm** **CF Research in the German Center for Lung Research**
Marcus Mall (Heidelberg, Germany)
- 05:25 – 05:45 pm** **Functional CFTR Analysis for diagnosis and therapeutic monitoring in CF**
Nico Derichs (Berlin, Germany)
- 05:50 – 06:10 pm** **Cystic fibrosis in Bulgaria: Challenges in diagnosis**
Ruslan Petrov (Varna, Bulgaria)
- 06:15 – 06:35 pm** **Effects of dornase alfa and hypertonic saline on gas mixing in lung periphery in children with cystic fibrosis**
Florian Singer (Zurich, Switzerland)
- 06:35 – 07:00 pm** **Discussion**
- 07:30 pm** **Dinner**

Friday, 26 September 2014

CF Newborn Screening PAP based protocols

Moderation: Olaf Sommerburg (Heidelberg, Germany)
Frank Wissing (Bonn, Germany)

- 08:00 – 08:20 am** **CF Neonatal Screening in Germany - Current Status and Implication for Patient Care?**
Olaf Sommerburg (Heidelberg, Germany)
- 08:25 – 08:45 am** **Newborn Screening for CF in Northern Germany - first results of the process**
Sebastian Schmidt (Greifswald, Germany)
- 08:50 – 09:10 am** **Newborn screening for Cystic Fibrosis with IRT-PAP-DNA-sequencing : 3 year experience with nation-wide screening in the Netherlands**
Jeanette E. Dankert-Roelse (Klimmen, Netherlands)
- 09:15 – 09:35 am** **IRT-PAP-Screening: Evaluation of a new Cut Off-Model**
Jutta Hammermann (Dresden, Germany)
- 09:40 – 10:00 am** **IRT-PAP protocol: the French experience**
Jacques Sarles (Marseille, France)
- 10:00 - 10:30 am** **Discussion & Coffee Break**

CF Newborn Screening

Moderation: Olaf Sommerburg (Heidelberg, Germany)
Frank Wissing (Bonn, Germany)

- 10:30 – 10:50 am** **Ensuring optimal outcomes from newborn screening for CF**
Kevin Southern (Liverpool, UK)
- 10:55 – 10:15 am** **Quality assurance**
Jürg Barben (St. Gallen, Switzerland)
- 10:20 – 11:40 am** **MRI in infants and preschool children with CF**
Mark O. Wielpütz (Heidelberg, Germany)

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