**FINAL PROGRAM ESN SPRING CONFERENCE @LEUVEN 20-21 APRIL 2017**

**THEME: ‘Energy metabolism’**

**THURSDAY April 20th 2017**

From 9.30 on **Reception and registration**

10.00-10.10 **Welcome and introduction by the ESN President, Nanda Verhoeven-Duif**

10.10-12.00 Morning session: **Organelles and metabolism**

Session chair: Jaak Jaeken (UZ Leuven)

10.10-10.40 Rita Horvath (Newcastle University): mitochondrial energy metabolism

  10.40-11.10  Carla Hollak (AMC Amsterdam): LSD and energy metabolism

11.10-11.30  Paul De Laat (Radboud Nijmegen): MELAS cohort study

11.30-12.00  Tamas Kozicz (Radboud Nijmegen): Mitochondria and psychiatry

12.00-14.00 **LUNCH & MEETINGS** (Biochemists EMZ, NVK section MZ, INVEST and MODAZ)

14.00-15.00 Afternoon session: **MSUD etc.**

Session chair: Mirjam Wamelink (VUmc Amsterdam)

14.00-14.30 Manuel Schiff (Robert Debré Hospital, Paris): energy metabolism in MSUD

14.30-15.00 **Selected abstracts:**

Nucleotide analysis of a gene panel involved in Lysosomal Storage Disease (LSD) in patients with a strong clinical suspicion**.** Alexander Gheldof (UZ Brussel)

Identification of a human D-lactate dehydrogenase. G.R. Monroe (UMC Utrecht)

15.00-15.30 **COFFEE/TEA**

15.30-16.30 **INVEST session: IEM and pregnancy**

Session chair: Martijn Brouwers (INVEST President)

15.30-15.55 Elaine Murphy (UCLH London): State of the Art

15.55-16.30: Short cases from the INVEST centers:

PGD for patients with IEM. Carla Hollak (AMC Amsterdam)

Pregnancy in a HiHa patient. Janneke Langendonk (Erasmus MC Rotterdam)

Long-term follow-up of children born to a HT1 mother. Sam Geuens (UZ Leuven)

16.30-17.30 Ledenvergadering ESN

17.30-19.00 Social Program

19.00-…**DINNER Begijnhof**

**FRIDAY April 21st 2017**

9.00 -11.00 Morning session: **Carbohydrate metabolism**

Session chair: Ron Wevers (Radboud Nijmegen)

9.00-9.30 Eva Morava (UZ Leuven): galactose and CDG

9.30-10.00  Bart Ghesquière (KU Leuven, VIB): C13 fluxes

  10.00-10.30 Martijn Brouwers (MUMC Maastricht): Hereditary fructose intolerance

10.30-11.00 Fanny Mochel (La Pitié-Salpêtrière Hospital, Paris): GLUT1 defect

11.00-11.30 **COFFEE/TEA**

11.30-12.30 **Selected Abstracts**

Session chair: Peter Witters (UZ Leuven)

New developments and insights into defects of the pentose phosphate pathway. MMC Wamelink (VUmc Amsterdam)

Evaluation of C26:0-lysophosphatidylcholine and C26:0-carnitine as diagnostic markers for Zellweger spectrum disorders. Femke C.C. Klouwer (AMC Amsterdam)

Evaluation of dietary treatment and amino acid supplementation in patients with organic acidemias and urea cycle disorders. Information from a world wide database (EIMD-registry). Femke Molema (Erasmus MC Rotterdam)

Biomarkers of Oxidative Stress, Inflammation, and Vascular Dysfunction in Inherited Homocystinuria and the impact of Taurine Treatment. Johan Van Hove (Colorado Childrens)

12.30-13.45 **LUNCH**

13.45-15.00 Afternoon session: **Fatty acid and amino acid metabolism**

  Session chair: Ronald Wanders (AMC Amsterdam)

  13.45-14.10 Steven Thiessen (KU Leuven): amino acids in ICU

14.10-14.35 Gajja Salomons (VUmc Amsterdam): creatine metabolism

14.35-15.00 Sarah-Maria Fendt (KU Leuven): tumor metabolism

15.00-15.15 Award Ceremony for the ESN **“Best Abstract”**, by the Leuven Scientific Committee.