

Gene-Environment Multidisciplinary Meeting

July 5, 2010

SZAB Székház, Szeged

9:00 - 9:10 Lajos Kemény (Department of Dermatology and Allergology, University of Szeged): Welcome and opening remarks

9:10 -13:00 Progress reports of the multidisciplinary photobiology projects (TÁMOP projects) of University of Debrecen and University of Szeged

Szeged TÁMOP:

9:10 – 9:30 Gali Himabindu (Institute of Genetics, Biological Research Centre, Szeged, Hungary): Mechanistic insights into replication across UV damaged DNA

9:30 - 9:50 Ferenc Nagy (Institute of Plant Biology, Biological Research Centre, Szeged, Hungary): Functional interaction of UVB and circadian clock regulated signalling pathways

9:50 – 10:10 Zsanett Csoma (Department of Dermatology and Allergology, University of Szeged, Hungary): Effects of neonatal blue light phototherapy on nevus development – a twin study

10:10 - 10:30 Ágnes Kinyó (Department of Dermatology and Allergology, University of Szeged, Hungary): COP1 contributes to UV-induced signaling in human keratinocytes

10:30 – 10:50 Márta Széll (Dermatological Research Group of the Hungarian Academy of Sciences, University of Szeged, Hungary): Melanoma-predisposing CDKN2A germline mutations in Hungarian melanoma-prone families

10:50 – 11:10 Géza Groma (Institute of Biophysics, Biological Research Centre, Szeged, Hungary): A measuring apparatus to characterize the metabolic state of cells by parameters of fluorescence decay kinetics

11:10 – 11:20 *Coffee break*

Debrecen TÁMOP:

11:20 – 11:40 Péter Rády (Department of Dermatology, University of Texas MD Anderson Cancer Center, Houston, Texas, USA): Viral and genetic factors in non-melanoma skin carcinogenesis

11:40 – 12:00 Éva Remenyik (Department of Dermatology, University of Debrecen, Hungary): Nuclear receptors in skin biology

12:00 – 12:20 Irén Horkay (Department of Dermatology, University of Debrecen, Hungary): Environmental dermatology in childhood: photosensitivity

- 12:20 – 12:40** Gabriella Emri (Department of Dermatology, University of Debrecen, Hungary): *In vitro* phototoxicity assay
- 12:40 – 13:00 Olga Ruzsnavszky (Department of Physiology, University of Szeged, Hungary): Effect of UV-B irradiation on the the expression of purine receptors of HaCaT keratinocytes
- 13:00 -14:00** *Sandwich lunch*
- 14:00 – 17:00** Talks of invited speakers on gene-environment interactions in human diseases
- 14:00 – 14:20** Antonella Agodi (Department of Biomedical Sciences, University of Catania, Italy): Forward on the road to preventing cervical carcinoma: a nutrigenic approach
- 14:20 – 14:40** Yvette Mándi (Institute of Medical Microbiology and Immunobiology, University of Szeged, Hungary): The role of NOD1 and defensin polymorphisms in human multifactorial diseases
- 14:40 – 15:00** Monica Neagu (Immunobiology Laboratory, Victor Babes National Institute of Pathology, Bucharest, Romania): Nanocompounds for the photodynamic therapy of cancer
- 15:00 – 15:20** Csaba Szalai (Heim Pál Pediatric Hospital, Budapest, Hungary): Gene-environment interactions in asthma
- 14:20 – 15:40** Stefan Beissert (Department of Dermatology, University of Muenster, Germany): Regulation of cutaneous immunity
- 15.40 – 16:00** *Coffee braek*
- 16:00 – 16:20** Rachel Watson (School of Translational Medicine, The University of Manchester, Great Britain): UV modulation of the skin's microfibrillar network
- 16:20 – 16:40** Norbert Wikonkál (Clinic for Dermatology, Venerology and Dermat oncology, Semmelweis University, Budapest, Hungary): UVB-regulates Hypoxia-inducable Factor-1 alpha in a biphasic manner in human keratinocytes
- 16:40 – 17:00** Edit Olasz (Department of Dermatology, Medical College of Wisconsin, Milwaukee, WI USA): Genetics, environment and the immune system - why are transplant patients at high risk for squamous cell carcinoma development and how to deal with the problem?
- 17:00 - 17:30** Lajos Kemény (Department of Dermatology and Allergology, University of Szeged): Discussion, closing remarks
- 19:00 -** *Fishsoup dinner for the invited speakers*