

TOXCON 2013 – 18th Interdisciplinary Czech-Slovak Toxicology Meeting (Meeting Report)

Martin Kunes and Kamil Kuca*

Centre for Transfer of Biomedical Technologies, University Hospital Hradec Kralove, Sokolska, Hradec Kralove, Czech Republic

Traditional toxicology conference TOXCON 2013 (Figure 1) was held in Hradec Kralove (Czech Republic) from 19th to 21st June, 2013. The toxicologists from a variety of institutions, government, academic and industry from the Czech republic and abroad have the great opportunity to meet each other at this meeting annually, alternately in the Czech Republic and the Slovak Republic. The conference was organized by the Czech Society for Experimental and Clinical Pharmacology and Toxicology CLSJEP (CSEKFT) and Slovak Toxicology Society (SETOX). This year, Professor Kamil Kuca was responsible for the organizing of this toxicology meeting in the Czech Republic under the auspices of the University Hospital in Hradec Kralove. Co-organizer of the conference was Faculty of Medicine, Charles University in Hradec Kralove (Figure 2) and Faculty of Military Health Sciences in Hradec Králové, University of Defence. The organizers registered 142 participants from the Czech Republic, Slovakia, Bulgaria, Ukraine and Iran. There were presented 100 poster presentations and 31 lectures divided thematically into seven sections.

The opening ceremony was in the diction of representatives of the co-organizing institutions. After their introductory words, the program immediately followed the first block of lectures. The first three lectures were devoted to the theme of methanol toxicity and methanol poisoning, which was in the Czech Republic and Poland in 2012. Next contributions were on synthetic cannabinoids and possibilities of new treatment options for rheumatoid arthritis. One particular section was focused on the issue of cytotoxicity and developmental toxicity. In the traditional section of military toxicology were presented the results of current research in the field of antidotal therapy, the biological effectiveness of cholinesterase reactivators, bioscavengers and their use in the case of poisoning with organophosphorus compounds. Another separate section of lectures was focused on the molecular aspects of renal toxicity, carcinogenesis and receptor studies in kidney

and placenta. The final conference lectures were then composed of teratogenesis and mutagenesis topics. Program of the conference was complemented by summary lectures focused on ochratoxin A, possibilities and trends of laboratory analysis in the forensic and clinical toxicology, on the flavonoids contained in red wine. The final lecture, closing the conference, was aimed on development of new chemical entities, and their testing in *in vitro* and *in vivo* conditions to their practical application in the marketplace, which is conducted recently at the Biomedical Research Center, which was established in the University hospital Hradec Kralove in 2012.

Next, the 19th toxicology conference TOXCON will take place next year in the Slovak Republic, probably in Stara Lesna in the High Tatras.



Figure 2: Event venue - Learning center of Medical Faculty Charles University in the University Hospital Hradec Králové.



Figure 1: TOXCON 2013 presentation

*Corresponding author: Kamil Kuca, Centre for Transfer of Biomedical Technologies, University Hospital Hradec Kralove, Sokolska 581, 500 05 Hradec Kralove, Czech Republic, E-mail: kamil.kuca@fnhk.cz

Received October 07, 2013; Accepted October 10, 2013; Published October 15, 2013

Citation: Kunes M, Kuca K (2013) TOXCON 2013–18th Interdisciplinary Czech-Slovak Toxicology Meeting (Meeting Report). Biosafety 2:114. doi:10.4172/2167-0331.1000114

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