



**Stará Lesná, The High Tatras (SLOVAKIA)**  
September 6 – 10, 2010

**SECOND ANNOUNCEMENT**



## SCIENTIFIC COMMITTEE

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Emanuela Corsini (IT)  
Michal Dubovický (SK)  
Peter G. Fedor-Freybergh (SK)  
Helena Kandarova (SK)  
Jiří Kassa (CZ)  
Jaroslav Květina (CZ)  
Jyrki Liesivuori (FI)  
Mojmír Mach (SK)  
Jana Navarová (SK)  
Radomír Nosál' (SK)  
Horst Spielmann (DE)  
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Miloň Tichý (CZ)  
Eduard Ujházy (SK)  
Wojciech Wasowicz (PL)  
Teresa Wlasow (PL)

## ORGANISING COMMITTEE

Štefan Bezek (SK)  
Michal Dubovický (SK)  
Eva Horváthová (SK)  
Helena Kandarova (SK)  
Zuzana Kováčiková (SK)  
Zuzana Kyseľová (SK)  
Silvia Letašiová (SK)  
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Irina Sadloňová (SK)  
Ružena Sotníková (SK)  
Eduard Ujházy (SK)  
Marián Zemánek (SK)

## Information about conference on address:

<http://www.toxcon.sav.sk>

## Important dates

**Proposals for Symposia & Workshops: Deadline EXTENDED - June 30, 2010**

**Registration: Deadline EXTENDED - June 15, 2010**

**Abstract Submission: Deadline June 15, 2010**

**Accommodation Reservation: May 31, 2010**

**Young Researcher Award Subscription: Deadline July 31, 2010**

**Manuscript Submission: Deadline September 10, 2010**

## Registration Fees

**Course** (*including refreshments and accommodation*)

Advanced Toxicology Course - **30 €**

**Conference** (*including refreshments, lunch and participation in social events*)

Members of the Slovak and Czech toxicology sections - **80 €**

Non-members - **120 €**

Students - **65 €**

**For the student-fee category confirmation of PhD study, signed by the chief representative of the organization, will be required!**

### Bank Transfer:

Slovenská toxikologická spoločnosť SETOX,  
Dúbravská cesta 9, 841 04 Bratislava, Slovakia

ICO: 30801729

DIC: 2022154222

**Account Name:** SLOVENSKÁ TOXIKOLOGI

**Account Number:** 2621735519/1100

**Bank Address:** Tatra banka, a.s., Hodžovo nám.  
3, P.O.BOX 42, 850 05 Bratislava 55, Slovakia

**IBAN:** SK16 1100 0000 0026 2173 5519

**SWIFT:** TATR SK BX

# Advanced Toxicology Course Programme

## Lectures

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### **Prof. Horst Spielmann**

*Department of Biology, Chemistry, and Pharmacy, Freie Universität Berlin, Germany*

**Lecture 1: Regulatory Toxicology**

**Lecture 2: Test Methods in Toxicology**

### **Prof. Emanuela Corsini**

*Laboratory of Toxicology, Department of Pharmacological Sciences, Milan, Italy*

**Lecture 3: Introduction to Human Immunotoxicology, Immunosuppression & Cancer Susceptibility**

**Lecture 4: *In Vitro* Immunotoxicology**

### **Dr. Helena Kandarova**

*MatTek Corporation, Ashland, MA, USA*

**Lecture 5: Validated and Pre-validated Alternative Methods in Toxicology**

### **Dr. Michal Dubovický**

*Department of Reproductive Toxicology, Institute of Experimental Pharmacology & Toxicology, Bratislava, Slovakia*

**Lecture 6: Developmental Neurotoxicology**

## Experimental

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### **Dr. Helena Kandarova and Dr. Silvia Letašiová**

*MatTek Corporation, Ashland, MA, USA*

*MatTek In Vitro Life Science Laboratories, Bratislava, Slovakia*

***In vitro* Skin Corrosion test - method EU B.40 a OECD 431**

# Interdisciplinary Toxicology Conference

## Young Researcher Award

The TOXCON Young Researcher Award recognizes young toxicological scientists with the best oral presentation at the TOXCON 2010 meeting. The Award consists of a cash prize and free of charge publication in the Neuroendocrinology Letters (NEL) (length of paper limited to 4 printed pages).

Nominations are made by a scientist, and the portfolio consists of the following documents:

- (i) a detailed statement describing the innovative nature and excellence of the work by the young professional (max. 2 pages).
- (ii) a Curriculum Vitae including a list of publications and citations to best paper published within last 5 years.

### Eligibility criteria

- in order to qualify for the award the Nominees should be younger professionals, with a Master of Science (or equivalent) or higher level degree, aged 35 or younger at the time of nomination for the prize,
- required oral presentation at the TOXCON 2010 conference,
- summary of the presented work,
- manuscript has to be submitted before September 10, 2010 (if the scientist wants to publish in NEL).

The members of the Award Committee would appreciate nominations. These can be sent to Slovak Toxicology Society SETOX via email at [info@setox.eu](mailto:info@setox.eu) before **July 31, 2010**.

## Presentations

### Language

The official language of the presentations (lectures and posters) will be **English**.

### Abstract

All authors are requested to submit an abstract (up to **350 words**) of their contribution by an e-mail before **June 15, 2010**. The abstract should include the title of the paper (in bold capital letters) followed by the name(s) of the author(s) and affiliation(s), underlining the presenting author. This is followed by the main text and acknowledgements.

*Abstract Sample:*

## **ROLE OF OXYTOCIN IN RESPONSE TO ACUTE STRESS IN MALES**

Mach M.<sup>1,2</sup>, Morris M.<sup>2</sup>, Dubovický M.<sup>1</sup>, Lucot J.B.<sup>2</sup>

<sup>1</sup> *Institute of Experimental Pharmacology and Toxicology, Slovak Academy of Sciences, Dúbravská cesta 9, Bratislava, Slovakia;* <sup>2</sup> *Department of Pharmacology and Toxicology, Boonshoft School of Medicine, Wright State University, Dayton, OH, USA*

Oxytocin (OT) belongs to a family of peptides that have been identified in all classes of vertebrates and many invertebrate species. It is synthesized in the hypothalamus and released into the bloodstream via the axon terminals in the posterior pituitary or neurohypophysis and it is important for maternal behavior (labor, lactation, social interaction). Although found in about equal concentrations in both sexes, the physiological importance of OT in males is still unclear.

The aim of this study was to investigate the role of OT in the behavioral responses to shaker stress, using oxytocin knockout mice (OTKO) and behavioral tools for assessment of locomotor activity in the open field, elevated plus maze, and levels of plasma corticosterone (Cort). We determined changes in locomotor activity in the open field and elevated plus maze, and levels of corticosterone after 15-minutes acute stress or 7 days of intermittent subchronic stress. The decrease in basic movements and fine movements in the male OTKO  $-/-$  group was significantly lower compared to OTKO  $+/+$  and total time in the periphery was just not significant ( $p < 0.09$ ). The interaction between stress and genotype was significant in basic movements ( $p < 0.05$ ). Similar to the open field test, a decrease in basic movements after stress was observed in the elevated plus maze and had the same pattern, with differences between OTKO  $-/-$  lower than OTKO  $+/+$  males. Stress also increased total time in the closed arms in both genders and genotypes. Acute shaker stress significantly increased the levels of corticosterone in both genders, but the response to stress in females was 4-times bigger than in males. No changes were observed between genotypes after 7 days of subchronic intermittent stress, suggesting that oxytocin improved recovery and had an anxiolytic effect only after acute stress.

*Supported by the grant DAMD17-00-C-002.*

### Publication

Participants will obtain the Abstract Book in English after registration. There will be the possibility to publish contributions *in extenso* in the journals:

**Neuroendocrinology Letters** (publication fee **60 €**/printed page + **50 €** processing fee)

**Interdisciplinary Toxicology** (**20 €** processing fee, no publication fee will be charged)

Participants willing to publish their presentation in journals should submit their manuscripts upon registration, at the latest, to start peer-review process.

## **Accommodation**

Please note that the deadline for guaranteed room reservations is **May 31, 2010**. Request for room reservations after this deadline can only be handled upon availability. Hotels reserve the right to change the price of the accommodation after May 31, 2010.

*More details about transportation, meals and social events (hiking and sightseeing) will appear in the **third announcement**.*