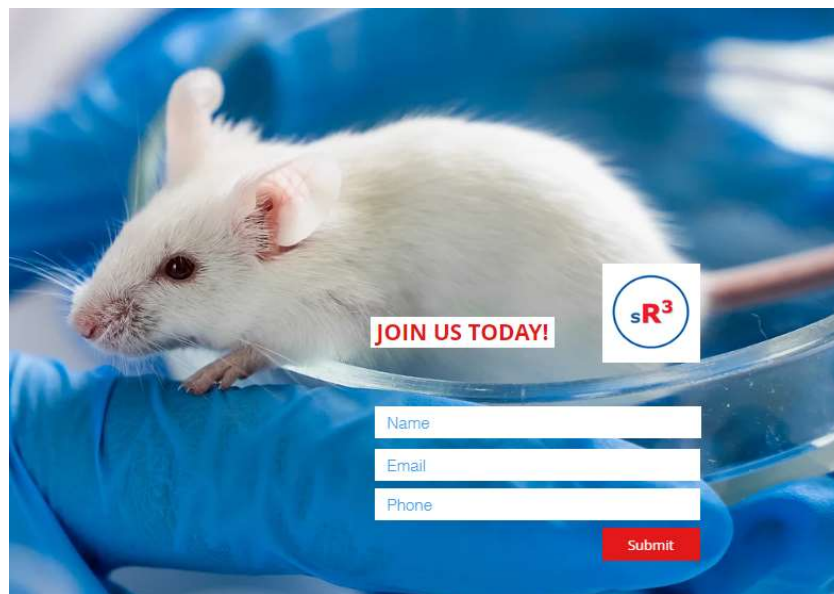




Slovak National Platform on 3Rs - SNP 3Rs



How we were established: 2015-2017

- ▶ The idea for establishment of 3Rs center in Slovakia was under the discussion among the **Slovak scientists, regulators and industry** already since 2015.
- ▶ Strategy concept of a national 3Rs center was presented at the **TOXCON 2016** Conference, organized by the **Slovak Toxicology Society SETOX**,
- ▶ further discussed between several members of the **National Committee for Alternative Methods (NOVS)** at the **EUROTOX 2017** Congress in Bratislava.

How we were established - 2018

- ▶ As a follow up, the **Ministry for Agriculture and Rural Development of Slovak Republic** organized in February 2018 an **informal meeting of NOVS members, invited experts in toxicology and pharmacology, representatives of Slovak Academy of Science and academia, industry representatives and governmental organizations** involved in the implementation of the EU legislation on animal welfare and protection in order to discuss the collaboration between the parties and to express an interest and formal support to the national 3Rs center.
- ▶ The attendees of that meeting fully endorsed an establishment of the **Slovak National Platform for Three Rs (SNP 3Rs)**
- ▶ The platform has been **officially launched** at the annual meeting of the Slovak Toxicology Society SETOX on June 21st 2018 **at the Toxicology Conference TOXCON 2018.**

MISSION:

- ▶ SNP 3Rs was established to stimulate discussions and implementation of the alternative methods and provide practical guidelines on the 3Rs principles into education, basic research and toxicology in Slovakia.



SNP3Rs - representatives from



SLOVAK OFFICE OF STANDARDS,
METROLOGY AND TESTING

Medical devices legislation and Slovak National standards.



MINISTRY
OF ECONOMY
OF THE SLOVAK REPUBLIC

CENTRE FOR CHEMICAL SUBSTANCES AND PREPARATIONS (CCHLP)

Slovak Competent Authority for REACH, CLP, DETERGENTS & BPR



MINISTRY
OF AGRICULTURE
AND RURAL DEVELOPMENT
OF THE SLOVAK REPUBLIC

Slovak contact point for PARERE Network and EFSA



The State Veterinary and Food Administration of the Slovak Republic (SVFA SR)

The SVFA SR is the national contact point for the implementation of Directive 2010/63/EU.
As the **sole competent authority**, it evaluates, regulates and approves proposals for animal experiments.



Slovak toxicology society

Main scientific partner for promoting 3Rs to the target audience - toxicologists/pharmacologists



PUBLIC HEALTH AUTHORITY OF THE SLOVAK REPUBLIC

budgetary organization linked to the budget of the **Ministry of Health**.

controls compliance with the ban on the testing of **cosmetic ingredients** and cosmetic products on animals.

Industry

Hamel n rds, - **NETVAL laboratory**, large CRO in vitro as well as animal testing possibilities
MatTek In Vitro Life Science Laboratories - tissue engineering, in vitro expertise

Academia

Slovak Academy of Sciences
Slovak Medical University in Bratislava
Slovak University of Agriculture in Nitra
Slovak Technical University in Bratislava

How do we operate

- ▶ The SNP 3Rs currently operates with large technical support of support of **Ministry of Agriculture and Rural Development** of SR and **Slovak Toxicology Society SETOX**.
- ▶ Benefits of this collaboration are obvious:
 - ❖ Talking and involving the target audience in Slovakia
 - ❖ Ideal network for pursuing for 3Rs and novel technologies
 - ❖ SETOX web - activities to accommodate information on the SNP3Rs on-going.
 - ❖ SNP 3Rs has access to the annual meetings of TOXCON (Czech republic and Slovakia) as well as to the meeting of the NOVS committee affiliated to the Ministry of Agriculture and Rural Development
 - ❖ Journal Interdisciplinary toxicology as one of the tools for dissemination of information

How do we operate

SNP 3Rs has currently no funding nor membership fees.

It is **voluntary initiative** of enthusiastic scientists, researchers, teachers and regulators from various sectors mentioned before.

Non-monetary support from the Ministries, gov. organisations and SETOX for networking activities including

- web-page,
- organized e-mail exchanges,
- face-to-face meetings of members in Bratislava/SETOX Congress location,
- publications of position papers
- access to the committees where 3Rs approach is needed / needs to be promoted

Working program - 2019


- To formalize collaboration amongst the parties
(formalized statutes, members responsibilities, roles)
- To agree on bi-annual meetings of the members of the platform
- To publish a position paper on the National platform and 3Rs in a peer reviewed journal
- To establish a web-page and social media tools
- To plan common activities in area of science and education to promote 3Rs concepts
- To held a session at TOXCON 2019 meeting on the 3Rs aspects
- To participate at the EU meetings with the focus on 3Rs and promote activities of SNP 3Rs


Web site - SNP 3Rs

<https://www.snp3rs.com/>

ABOUT US	NEWS	EVENTS	PRACTICAL TRAININGS	RESOURCES
----------	------	--------	---------------------	-----------

SNP 3Rs
Slovak National Platform for 3Rs
Reduce - Refine - Replace
animal use in research, development and education




JOIN US TODAY! 

Name


Email

Phone


Submit



GET INVOLVED



UPCOMING EVENTS
Click here to get informed about latest events organised or supported by SNP3Rs.



CONTACT INFORMATION

Session on 3Rs during TOXCON 2019

15:00 – 17:00 SESSION 5 – IMPLEMENTATION OF 3R IN SLOVAKIA

Session organized by Slovak National Focal Point for Scientific and Technical matters with European Food Safety Authority (EFSA) and Slovak National Contact Point for the PARERE Network

National Committee for the Protection of Animals Used for Scientific Purposes

Veronika Cubínková

Institute of Neuroimmunology, Slovak Academy of Sciences, Bratislava, Slovakia

3Rs Center at the National Institute of Public Health in the Czech Republic

Dagmar Jirova

National Institute of Public Health, Prague, Czech Republic

Implementation of alternative methods for medical safety evaluation; EU NETVAL test laboratory experiences

Marta Múčková

Hameln, rds, Modra, Slovakia

Implementation of in vitro methods and 3Rs principles into the standards for evaluating the biocompatibility of medical devices (ISO 10993)

Helena Kandarova

Slovak Toxicology Society SETOX, Bratislava, Slovakia

Bird embryo - alternative animal model

Eva Petrovova

University of Veterinary Medicine and Pharmacy in Kosice, Slovakia

State Veterinary and Food Administration of the Slovak Republic and its position in 3R principles

Daniela Bucsuhazyova

State Veterinary and Food Administration of the Slovak Republic, Bratislava, Slovakia

Application of the Three Rs for the purpose of chemical safety assessment

Irina Sadloňová

Ministry of Economy of the Slovak Republic, Centre for Chemical Substances and Preparations, Bratislava, Slovakia



Session on 3Rs during TOXCON 2019



Dr. Helena Kandarova, ERT | EUSAAT 2019 | October 10-13, 2019

Meeting report - Session on 3Rs during TOXCON 2019 (coming soon)

V dňoch 26. – 28. 06. 2019 sa konala už 24. toxikologická konferencia s medzinárodnou účasťou [TOXCON](#). Konferenciu každoročne organizuje [Slovenská toxikologická spoločnosť SETOX](#), [Centrum experimentálnej medicíny Slovenskej akadémie vied \(SAV\)](#) a [Česká společnost pro experimentální a klinickou farmakologii a toxikologii](#). Tento rok boli sekcie TOXCONu venované *in vitro* toxikológii (testovacie metódy, ktoré využívajú tkanivové a bunkové kultúry), nanotoxikológii a farmatoxikológii, ekotoxikológii, ale aj cytotoxicite, genotoxicite a mutagenite. Po prvýkrát však bola celá jedna sekcia venovaná aj praktickému zavedeniu alternatívnych metód na Slovensku.

By Ing. Lucia Milec

Štátny radca | Odbor bezpečnosti potravín a výživy | Sekcia potravinárstva a obchodu

Alternatívne metódy

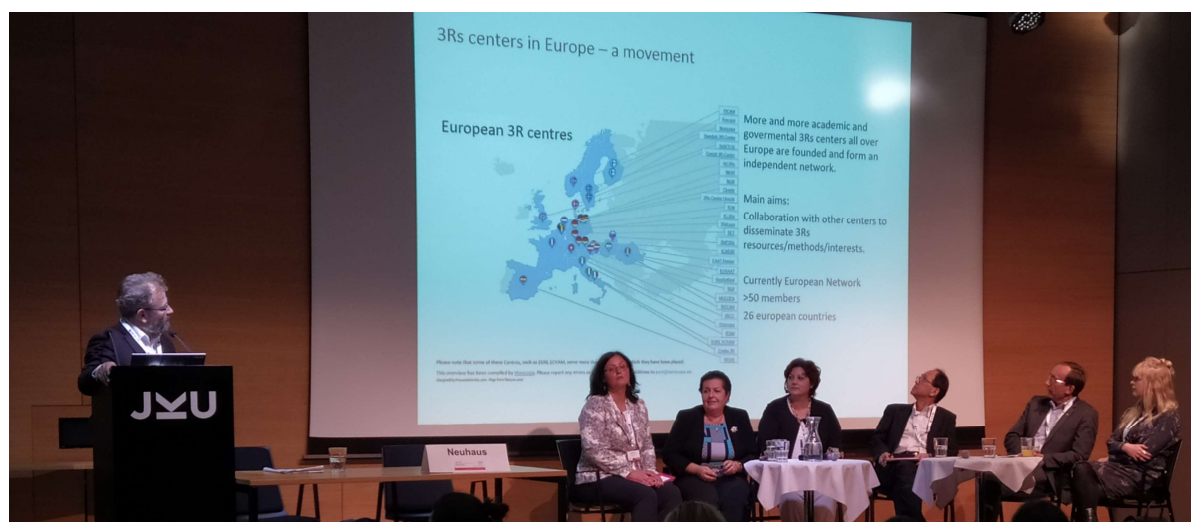
in vitro ➤ testy „v skúmavke“ na bunkových, tkanivových kultúrach alebo na orgánoch „na čipe“

in silico ➤ prediktívna toxikológia využívajúca PC software a modelovanie (napr. (Q)SAR, Read-across)



EUSAAT Congress 2019, Linz Austria

In 2019 EUSAAT hold its annual conference on 10 - 13 October 2019 at the University of Linz/Austria. The activities of SNP3R platform were be presented by Dr. Kandarova, (see book of [ABSTRACTS](#)) and during the Round Table Discussion on 3Rs Centers

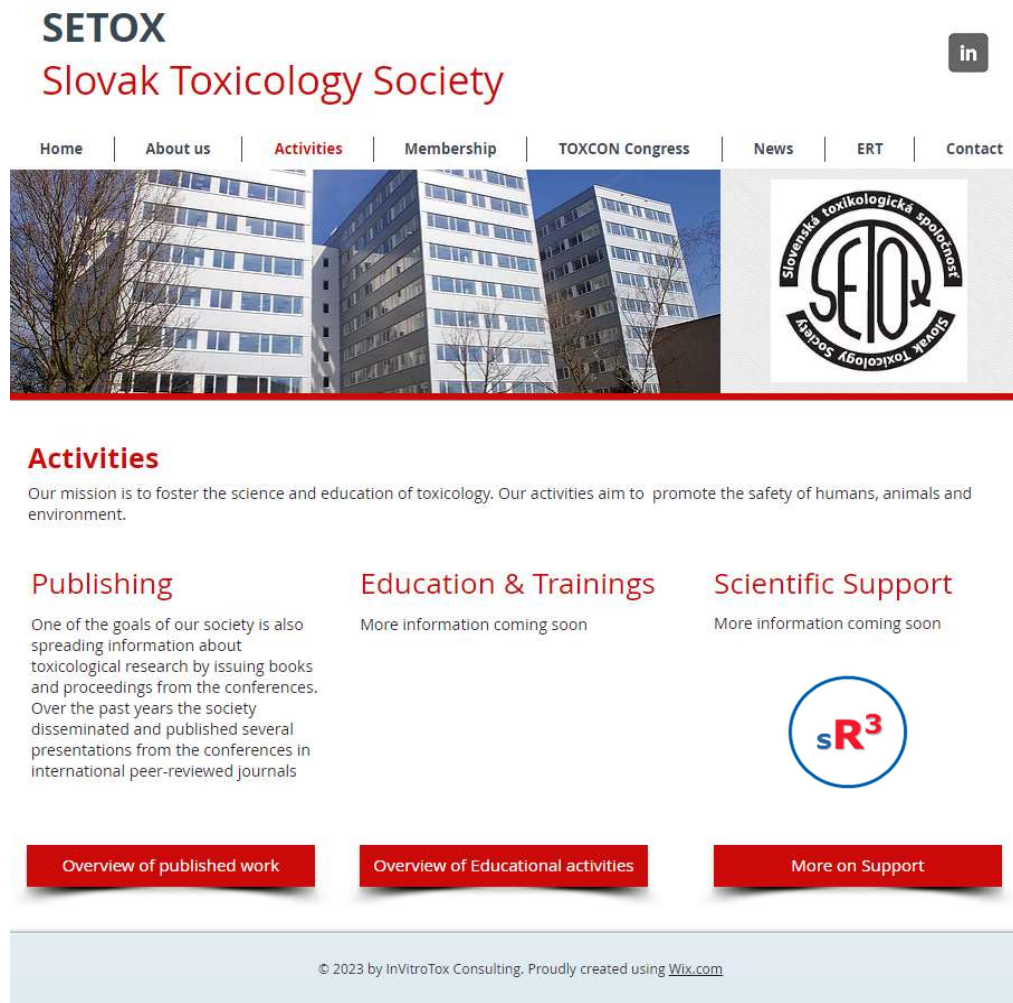


The tradition of Round Table Discussion on the theme of 3Rs centers was an initiative of EUSAAT Congress aiming into a better collaboration and exchange between the European 3Rs centers. Debaters shared experiences on: 1. Dissemination of 3Rs, 2. Assessment of Quality/Implementation of 3Rs 3. Education, 4. Scientific transferability

Round table discussing partners were: Dr. Dagmar Jirova EUSAAT vice-president and Chair of the Czech Centre, Dr. Györgyi Szabó (Semmelweis university in Hungary), Dr. Hajime Kojima (Japanese and Asian 3Rs centers), Dr. Adrian Smith (representative of NORECOPA). Mrs. Annemarie Lang (Charite 3Rs center in Germany) and Dr. Helena Kandarova (SNP3Rs). The discussion was moderated by EUSAAT President Dr. Winfried Neuhaus (Austria).

Dr. Helena Kandarova, ERT | EUSAAT 2019 | October 10-13, 2019

Collaboration with SETOX - Slovak Toxicology Society



SETOX
Slovak Toxicology Society

Home | About us | **Activities** | Membership | TOXCON Congress | News | ERT | Contact

Activities
Our mission is to foster the science and education of toxicology. Our activities aim to promote the safety of humans, animals and environment.

Publishing
One of the goals of our society is also spreading information about toxicological research by issuing books and proceedings from the conferences. Over the past years the society disseminated and published several presentations from the conferences in international peer-reviewed journals

Education & Trainings
More information coming soon

Scientific Support
More information coming soon

sR³

Overview of published work | Overview of Educational activities | More on Support

© 2023 by InVitoTox Consulting. Proudly created using [Wix.com](https://www.wix.com)

SETOX - New webpage (www.setox.eu)

SNP3Rs - ACTIVITY SUPPORTED BY SETOX

Plan to develop a training course on In vitro/in silico methods as module for the ERT certification via Slovak ERT register

Information about some of the organizations in Slovakia with competence in the 3Rs

Dr. Helena Kandarova, ERT | EUSAAT 2019 | October 10-13, 2019

Ministry of Agriculture and Rural Development of the Slovak Republic(MPRV SR)

- ▶ Slovak contact point for the PARERE Network (Preliminary Assessment of Regulatory RElevance) under Article 47(5) of Directive 2010/63/EU
- ▶ Responsible for the arrangement of the external expert's attendance to the PARERE and PARERE and the ECVAM Stakeholder Forum (ESTAF) networks
- ▶ Advertisement of alternative approaches via sharing of information about conferences and scientific articles on the webpage as well as facebook page

Role of the MPRV SR in the SNP 3R platform:

- ▶ Organizational covering of the SNP 3R platform - arranging of meetings, providing place for meetings, taking minutes
- ▶ Contribution to the reaching of the possible future members of SNP 3R platform



The State Veterinary and Food Administration of the Slovak Republic (SVFA SR)

- ▶ is the Slovakian administrative authority related to the **laws on veterinary care and protection**, Act of the Slovak National Council No 39/2007 Coll., and **on food products**, Act of the Slovak National Council No 152/1995 Coll.
- ▶ The SVFA SR is the **national contact point for the implementation of Directive 2010/63/EU**.
- ▶ As the **competent authority**, it **evaluates, regulates and approves proposals for animal experiments**.
- ▶ It also **approves and regulates animal breeding houses**, **conducts inspections and ensures the compliance of breeders and suppliers**, as well as the users of the animals, with national and the EU laws.
- ▶ By means of its web-page, the SVFA SR **informs about new EU legislation related to animal protection**. The SVFA SR is the expert guarantor of educational seminars and training courses in the areas of animal use and animal protection.

CENTRE FOR CHEMICAL SUBSTANCES AND PREPARATIONS (CCHLP)

- ▶ Slovak Competent Authority for REACH, CLP, DETERGENTS & BPR
- ▶ Risk assessment of **chemicals** and **biocides** based on **alternative methods (in vitro, QSAR, read-across) and in vivo tests**

SK CA - REACH - Regulation (EC) 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP - Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures

DETERGENTS - Regulation (EC) 648/2004 establishing rules designed to achieve the free movement of detergents and surfactants for detergents in the internal market

BPR - Regulation (EU) 528/2012 concerning the placing on the market and use of biocidal products



PUBLIC HEALTH AUTHORITY OF THE SLOVAK REPUBLIC



- is a budgetary organization of the state with the registered office in Bratislava, linked with the financial relations to the budget of the **Ministry of Health**,
- is the supreme office for the regional public health authorities - it manages, controls and coordinates the execution of state administration carried out by 36 regional public health offices, which among other things **control compliance with the ban on the testing of ingredients and cosmetic products on animals.**



The Slovak Toxicology Society SETOX

The most active organization in Slovakia in relation to **toxicology**.

Member of the Federation of European toxicologists and the European Societies of Toxicology (EUROTOX).

SETOX has **four divisions**, namely, **experimental toxicology**, **clinical toxicology**, **industrial toxicology** and **in vitro toxicology**.

Every 2 years, SETOX organises the **TOXCON conferences** in Slovakia. This conference has gained an international reputation and has become one of the renowned, most highly appreciated conferences in central and eastern European countries, with the complimentary attribute of “having a family atmosphere”.

SETOX, in collaboration with its corporate members, organises **courses on methods that can be used to replace animal procedures**. The courses include hands-on training, as well as theoretical discussions, allowing trainees to experience the technology in practice, under the supervision of the experts.