

Name Participants of WG3	Aleksandra Buha Djordjevic
Affiliation	Department of Toxicology University of Belgrade – Faculty of Pharmacy
Scientific expertise, up to 5 key words	Toxicology, endocrine disruption, carcinogenesis
Motivation for participation in WG3	We are interested in determining the enigmatic role of Nrf2 signaling in toxic effects of environmentally present chemicals, metabolism and aging.
Short narrative biosketch, including scientific background/ education/major achievements etc.	<p>Dr. Buha Djordjevic is an associate professor at the Faculty of Pharmacy, University of Belgrade, where she teaches toxicology to undergraduate, graduate and PhD students. Also, she conducts research in the field of mixture toxicology and endocrine disrupting chemicals, mainly on animal models. She is the PI of the national project “Decoding the role of exposome in human endocrine health” funded by The Science Fund of the Republic of Serbia. She serves as MC member and science communication coordinator for the COST action CA 20121 „Bench to bedside transaction for pharmacological regulation of NRF2 in noncommunicable diseases“.</p> <p>In the period between 2016 and 2018, she was a co-principal investigator on a project Establishing polysilicate pro-inflammatory effectiveness and toxicity in vivo in collaboration with MRC Human Nutrition Research, Elsie Widdowson Laboratory, Cambridge, UK and Faculty of Veterinary Medicine, University of Cambridge, UK (co-principal investigator from UK Prof Dr Jonathan J. Powell).</p> <p>She received her Postgrad Specialism in Toxicological Risk Assessment in 2014 and doctorate in the field of mixture toxicology from Faculty of Pharmacy, University of Belgrade in 2016. She became European Registered Toxicologist in 2019. Currently she serves as a Secretary General of International Society for Research on Cadmium and Trace Element Toxicity, member of the HEEDS Consortium, member of the EDCs Working Group of European Society of Endocrinology, member of the Committee on Research Initiatives & Excellence of The Intersectoral Centre for Endocrine Disruptor Analysis, and President of Belgrade Pharmaceutical Association. She is a regular reviewer for many peer-reviewed journals and was awarded as Top Peer Reviewer in the Global Peer Review Awards 2019 by Web of Science. Dr. Buha Djordjevic is a member of the Toxicology Reports Editorial board and associate editor of All life journal.</p> <p>She is author/co-author of more than 60 peer-reviewed publications, her h index is 22 and her work has been cited more than 1400 times according to SCOPUS. Dr. Buha Djordjevic has been included in the Stanford University list of top 2% scientists in the world for 2020.</p>
Current research topics/ongoing projects	<p>DecodExpo project</p> <p>“Decoding the role of toxic metals in endocrine health”</p> <p>http://www.pharmacy.bg.ac.rs/en/science-and-international-cooperation/190/national-projects/</p>

Nfr2-related methodologies/ infrastructure/ equipment	Determination of Nrf2 and HO-1 activity in animal samples
Available sample collections/datasets; interested in sharing; yes/no	Currently available are collected samples of liver and kidneys from rats obtained in an animal study on rats treated with mixtures of toxic metals Yes, we are interested in sharing
Available cohorts/ ongoing/planned human studies/grant applications	Planned collection of serum and pancreatic tissues collected from patients with pancreatic cancer Planned collection of serum of patients with dyslipidemia
Interested in STSM: outgoing/hosting (year 1/later); yes/no	Yes outgoing Hosting maybe