LIVE WEBINAR

INTERNATIONAL NEUROTOXICOLOGY ASSOCIATION

WEDNESDAY
SEP 15th 2021

07:30 – 10:00 AM PDT
10:30 – 01:00 PM EDT
04:30 – 07:00 PM CEST

ENDOCRINE DISRUPTION AS A MECHANISM OF DEVELOPMENTAL NEUROTOXICITY (DNT)

07:45 AM

"Environmental endocrine disruption of brain and behavior"

Andrea C. Gore, PhD
University of Texas at Austin, U.S.A.

08:15 AM

"The ENDpoiNTs project – Developing Novel Methods and Testing Strategies for Endocrine Disruption-induced Developmental Neurotoxicity"

Joëlle Rüegg, PhD
Uppsala University, Sweden

08:45 AM

"Thyroid Hormone Insufficiency and the Developing Brain – Iodine Status Exacerbates Neurological Consequences of Environmental Chemical Exposure"

Mary E. Gilbert, PhD
US EPA, U.S.A.

09:15 AM

"Disruption in thyroid signaling pathway as a mechanism for the effect of endocrine-disrupting chemicals on child neurodevelopment"

Akhgar Ghassabian, MD PhD
New York University, U.S.A.

zoom

Please register here:

https://us02web.zoom.us/meeting/register/tZYod--gpjgsGNHgPnIEQJ7DErJuxCzlnHdx

Hosted by:

Pamela J. Lein, PhD
UC Davis, U.S.A.

&

Katharina Koch, PhD
IUF Düsseldorf, Germany

Get to know our speakers:

Dr. Andrea Gore is Professor and Vacek Chair in Pharmacology at the University of Texas at Austin. Her research team is investigating how environmental endocrine-disrupting chemicals (EDCs) perturb the developing brain, sex differences in EDC actions, and transgenerational epigenetic effects. Dr. Gore's research has been funded continuously by the NIH, NSF, and foundations since 1992. She has published 4 books and 184 scientific papers on her research. She was Editor-in-Chief of Endocrinology from 2013-2017. Among her most notable research, teaching, and service awards are her election as Fellow of the American Association for the Advancement of Science; the University Cooperative Society's Research Excellence Award; the Endocrine Society Laureate Award for Outstanding Public Service; and the Edith Clarke Woman of Excellence Award. Dr. Gore is very active in advocacy for, mentorship of, and education of trainees. 150+ undergraduate and graduate students of diverse interests and backgrounds have conducted independent research in her laboratory at the University of Texas at Austin.

Andrea C. Gore, PhD
University of Texas at Austin, U.S.A.

Dr. Joëlle Rüegg is Professor and chair in Environmental Toxicology at Uppsala University, Sweden. Rüegg holds MScs in Biochemistry and Neuroscience from the University of Zurich and the University of Edinburgh, and a PhD "summa cum laude" from the Ludwig Maximilian University of Munich. Prior to being recruited to Uppsala University 2019, she held postdoc positions at Karolinska Institutet and Axcentua Pharmaceuticals AB in Stockholm, Sweden (2005-2009), an independent researcher position at the University of Basel, Switzerland (2010-2013), and a Principal Investigator position at Karolinska Institutet and the Swedish Toxicology Science Research Centre Swetox (2013-2019). Her research focuses on deciphering molecular mechanisms underlying developmental effects of endocrine disruptors to improve hazard and risk assessment of these chemicals. Rüegg is coordinator of the EU-funded Horizon 2020 research and innovation action ENDpoiNTs that aims at developing novel testing strategies for endocrine disruptors affecting neurodevelopment. She is also engaged as scientific expert in national and international initiatives to improve chemical testing, such as the OECD expert group on developmental neurotoxicity and the French public-private platform for the pre-validation of testing methods on endocrine disruptors (PEPPER).

Joëlle Rüegg, PhD
Uppsala University, Sweden

Dr. Mary Gilbert is a Senior Investigator in the Center for Public Health and Environmental Assessment of the Office of Research and Development at the US Environmental Protection Agency. Dr. Gilbert received her Bachelor of Science degree in Biology/Psychology from Trent University in 1979, followed by a PhD in Neuroscience at the University of Western Ontario in London, Canada in 1983. After postdoctoral training at McMaster University in Hamilton, Ontario she joined the federal health research laboratories of US EPA in 1986. Her research has examined alterations in brain function, plasticity, and behavior following exposure to pesticides, metals, and hormone-disrupting chemicals. The impact of low-level thyroid hormone disruption in brain development in rodent models has been the primary focus of her work during the last ten years. Dr. Gilbert has authored over 100 papers in her field. She has served on a number of international advisory boards on thyroid disruptors and has received many EPA honors for her work as a government scientist. Dr. Gilbert sits on the editorial board for two specialty journals in her field, Journal of Neuroendocrinology and Neurotoxicology and Teratology, and is an Associate Editor for the journal Neurotoxicology. She is also an active reviewer for a number of toxicology, neuroscience, and endocrinology journals. Dr. Gilbert has served as Secretary/Treasurer and President of the Neurotoxicology Specialty Section of the Society of Toxicology and President of the Developmental Neurotoxicology Society. She currently serves as Treasurer for the Society of Toxicology.

Mary E. Gilbert, PhD
US EPA, U.S.A.

Dr. Akhgar Ghassabian is an Assistant Professor at the Division of Environmental Pediatrics, NYU Grossman School of Medicine and an Investigator at the NYU Center for the Investigator of Environmental Hazards. Her research agenda includes identifying environmental exposures that contribute to the etiology of developmental disabilities and psychopathology. Her work in observational epidemiological studies has shown adverse effects of maternal thyroid mild hormone insufficiency on various aspects of children's cognitive and behavioral development and examined the role of autoimmunity, iodine deficiency, and environmental toxicants as underlying factors. Dr. Ghassabian obtained her Medical Degree from Tehran University of Medical Sciences and completed a Master's and a PhD in epidemiology at Erasmus University Rotterdam, the Netherlands (2013). Prior to joining NYU Grossman School of Medicine, Dr. Ghassabian was the Intramural Research Training Award (IRTA) fellow at the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD). Over the past 7 years, Dr. Ghassabian has been an investigator in several birth cohorts, including the Generation R Study, Upstate KIDS, and the New York University Children's Health and Environment Study (one of the participating cohorts in the NIH Environmental influences on Child Health Outcomes Program (ECHO)). She is the recipient of the Rubicon Award from the Netherlands Organisation for Scientific Research (NWO) in 2014 and the Robin/Guze Young Investigator Award from the American Psychopathological Association in 2019.

Akhgar Ghassabian, MD PhD
New York University, U.S.A.