

<b>Sunday, 6 September 2020</b>		
08h00–21h00	Congress registration	16h00–21h00 Exhibition
09h30–16h00	<b>Excursion and Workshop by Ellegaard Göttingen Minipigs</b> (separate registration required, please click <a href="#">here</a> )	
10h30–16h00	<b>Continuing Education Courses (CEC), including coffee &amp; lunch breaks</b>	
<b>10h30–16h00</b>	<p><b>CEC01</b>  <b>Thyroid hormones, brain development and toxicity testing</b>  <b>Chairs:</b> Marta Axelstad, Denmark   Manon Beekhuijzen, Netherlands   Barbara Demeneix, France</p> <p><b>Thyroid Hormone Action and Disruption During Development: pregnancy, brain and rat versus human</b>            Barbara Demeneix, UMR 7221 Molecular Physiology and Adaptation (CNRS/MNHN), Paris, France</p> <p><b>Low thyroid hormone during pregnancy and consequences for child neurological development</b>            Peter Taylor, Cardiff University, Cardiff, UK</p> <p><b>Safeguarding the thyroid system – developing an <i>in vitro</i> testing battery</b>            Sharon Munn, European Commission, Joint Research Centre, Ispra, Italy</p> <p><b>Recommendations for the future: lessons learned from thyroid hormone determinations in OECD/ US EPA guideline studies</b>            Abby Li, Exponent Inc., San Francisco, US</p> <p><b>Searching for an adverse effect endpoint in the developing brain</b>            Louise Ramhøj, Technical University of Denmark, Kgs. Lyngby, Denmark</p> <p><b>Current guideline testing: what is still missing?</b>            Manon Beekhuijzen, Charles River, Den Bosch, Netherlands</p>	

	<b>Panel discussion</b>
<b>10h30–16h00</b>	<p><b>CEC02</b>  <b>Leveraging automation and other advances in conducting systematic reviews for toxicology and risk assessment: hands-on applications in assessment of hazard, risk, and uncertainty</b>  <b>Chairs:</b> Andrew Rooney, US   Sebastian Hoffmann</p> <p><b>LECTURE: Global orientation to systematic review – successes, challenges, and preparing for next generation decision making on mechanistic data</b>  Elisa Aiassa, Assessment and Methodological Support Unit/ EFSA, Parma, Italy</p> <p><b>HANDS ON ACTIVITY 1: PECO, Inclusion/Exclusion</b></p> <p><b>LECTURE: Automated and semi-automated approaches for literature searching, screening, and data extraction</b>  Vickie Walker, National Institute of Environmental Health Sciences, Research Triangle Park, US</p> <p><b>HANDS ON ACTIVITY 2: Critical appraisal/Risk of Bias</b></p> <p><b>LECTURE: Synthesis, Certainty (GRADE), and qualitative integration of human, animal, and mechanistic data</b>  Sebastian Hoffmann, Evidence-based Toxicology Collaboration (EBTC), Paderborn, Germany</p> <p><b>LECTURE: Quantitative evidence integration supporting toxicity value development and characterization of uncertainty</b>  Daniele Wikoff, ToxStrategies, Asheville, US</p> <p><b>HANDS ON ACTIVITY 3: Evidence certainty/GRADE</b></p> <p><b>LECTURE: Conduct and reporting standards for systematic reviews in toxicology and risk assessment</b>  Paul Whaley, Lancaster University, Lancaster Environment Centre, Lancaster, UK</p>
<b>10h30–16h00</b>	<b>CEC03</b>

	<p><b>Lessons learned and future directions for toxicology in water safety and security</b>  <b>Charis:</b> Heidi Foth, Germany   Elaine Faustman, US</p> <p><b>Water bodies and frame work for protection</b>  Heidi Foth, Martin Luther University, Institute of Environmental Toxicology, Halle (Saale), Germany</p> <p><b>Contamination in groundwater by overuse of fertilizers and implications for human health</b>  N. N.</p> <p><b>Contamination pattern by pesticides in water</b>  Aristidis Tsatsakis, University of Crete, Greece</p> <p><b>Arsenite in drinking water</b>  Louis Schiesari, University of Sao Paolo, Brazil</p> <p><b>Dissipative use of lead a future risk for groundwater</b>  Thomas Schupp, FH Münster – University of Applied Sciences, Steinfurt, Germany</p> <p><b>Expectations on toxicology in future directions in water safety and security</b>  Elaine Faustman, University of Washington, Environmental &amp; Occupational Health Sciences, Seattle, US</p>
<p><b>10h30–16h00</b></p>	<p><b>CEC04</b></p> <p><b>Inflammation as a mediator of toxic responses</b>  <b>Chairs:</b> Emanuela Corsini, Italy   Ron Tjalkens, US</p> <p><b>Inflammation as a mediator of toxic responses</b>  Marie Cumberbatch, Immune Insight, Alderley Park, UK</p> <p><b>The multiple facets of skin inflammation: from direct toxic insult to specific immune responses</b>  Marc Pallardy, Université Paris-Sud, Châtenay-Malabry, France</p>

	<p><b>Innate immune inflammatory signaling in glial cells modulates chemical neurotoxicity</b> Ron Tjalkens, Colorado State University, Fort Collins, US</p> <p><b>Evaluating cytokines in immunotoxicity testing</b> Emanuela Corsini, University of Milan, Milan, Italy</p>
10h30–16h00	<p><b>CEC05</b> <b>Nanotoxicology</b> <b>Chairs:</b> Ulla Vogel, Denmark   N. N.</p> <p><b>Genotoxicity of nanomaterials</b> Julia Catalán Rodríguez, Finnish Institute of Occupational Health, Helsinki, Finland</p> <p><b>Nanomaterial-induced inflammation, acute phase response and risk of cardiovascular disease</b> Ulla Vogel, NRCWE, Copenhagen, Denmark</p> <p><b>Toxicity of nanomaterial in the user-phase</b> Anne Saber, NRCWE, Copenhagen, Denmark</p> <p><b><i>In vitro</i>-based high-throughput screening and toxicogenomics to support effective safety evaluation of engineered nanomaterials</b> Penny Nymark, Karolinska Institutet, Institute of Environmental Medicine, Stockholm, Sweden</p>
10h30–16h00	<p><b>CEC06</b> <b>Toxicity assessment in drug development</b> <b>Chairs:</b> Stine Bartelt, Måløv, Denmark   N. N.</p> <p><b>Challenging early target safety assessment strategies</b> Jens Schuemann, Novartis Institutes for BioMedical Research, Basel, Switzerland</p>

	<p><b>Phototoxicity of small molecules - from initial assessment to in vivo studies</b> Allan Dahl Rasmussen, Lundbeck A/S, Valby, Denmark</p> <p><b>Effects of an FGF21 analogue on the female reproductive system</b> Sophia Gry Moesgaard, Novo Nordisk A/S, Måløv, Denmark</p> <p><b>Reproductive Toxicology: impact on clinical trials/label</b> Michele Bouisset-Leonard, Novartis A/S, Basel, Switzerland</p> <p><b>PEGylated coagulation factor IX: The road to regulatory approval</b> Hanne Offenbergh, Novo Nordisk A/S, Måløv, Denmark</p>		
16h00	Opening of the exhibition		
17h00–19h00	<p><b>Opening Ceremony</b> incl. <b>Keynote Lecture 01</b> and <b>EUROTOX Merit Award K01:</b> <b>Toxicology as a science of the known with visions of the unknown</b> Philippe Grandjean, University of Southern Denmark</p>		
19h00–21h00	Welcome Reception		
<b>Monday, 7 September 2020</b>			
07h30–18h30	Congress registration	07h30–08h00 Morning run	09h00–16h30 Exhibition
08h30–09h30	<b>Bo Holmstedt Memorial Fund Lecture</b>		
09h30–10h00	Coffee Break, Exhibition & Poster Viewing 1		
10h00–12h00	<p><b>Session 01 – Symposium</b> <b>The effect of chemicals on the gut microbiota: is it the cause of all problems?</b> <b>Chairs:</b> Reinhilde Schoonjans, Italy   TBC</p>		

	<p><b>Gut microbiota and human health through lifespan</b> Anne Salonen, University of Helsinki, Helsinki, Finland</p> <p><b>Dietary emulsifiers, human microbiota and intestinal inflammation</b> Tom Van de Wiele, Ghent University, Ghent, Belgium</p> <p><b>Low calorie sweeteners and their impact on the gut microbiota</b> Ian Rowland, Reading University, Reading, UK</p> <p><b>Stability of the microbiota and impact of dietary changes and novel foods</b> Carmen Pelaez, Autonomous University of Madrid, Madrid, Spain</p>
10h00–12h00	<p><b>Session 02 – Symposium</b> <b><i>In vitro</i> organotypic models for predicting the toxicity of chemicals or drugs</b> <b>Chairs:</b> Saadia Kerdine-Römer, France   Lisbeth Knudsen, Denmark</p> <p><b>Predictive models on 3D lung models to study nanodrugs</b> Barbara Rothen Rutishauser, Université de Fribourg, Fribourg, Switzerland</p> <p><b>Advanced <i>in vitro</i> models for nephrotoxicity testing: as complex as possible, but simple in use</b> Roos Masereeuw, Utrecht Institute for Pharmaceutical Sciences, Utrecht, Netherlands</p> <p><b>Human 3D brain model to study developmental neurotoxicity</b> Marie-Gabrielle Zurich, Université de Lausanne, Lausanne, Switzerland</p> <p><b>Mini-gut organoids for therapeutic testing</b> Nathalie Vergnolle, IRSD, Toulouse, France</p>

<p>10h00–12h00</p>	<p><b>Session 03 – Symposium</b>  <b>Artificial intelligence and machine learning in chemical risk assessment</b>  <b>Chairs:</b> João Barroso, Italy   Anne Marie Vinggaard, Denmark</p> <p><b>Systematic reviews and chemical risk assessment: current challenges, and the need for AI in overcoming them</b>  Paul Whaley, Lancaster University, Lancaster, UK</p> <p><b>Use of chemical informatics, quantum chemistry modelling and artificial intelligence algorithms to predict molecular initiating events</b>  Tim Allen, St. John's College, Cambridge, UK</p> <p><b>Machine learning in chemical risk assessment</b>  Eva Bay Wedeby, Technical University of Denmark, Kgs. Lyngby, Denmark</p> <p><b>Virtual physiological human</b>  Geris Liesbet, University of Liège, Liège, Belgium</p>
<p>10h00–12h00</p>	<p><b>Session 04 – Symposium</b>  <b>Personalized nano-immunotoxicology for the workplace</b>  <b>Chairs:</b> Albert Duschl, Austria   Diana Boraschi, Italy</p> <p><b>Does immunotoxicity of nanomaterials depend on the individual pre-existing conditions? A need for a personalised testing strategy.</b>  Diana Boraschi, National Research Council, Naples, Italy</p> <p><b><i>In vitro</i> immunonano toxicological methods that take pre-existing conditions into account</b>  Albert Duschl, Salzburg University, Salzburg, Austria</p> <p><b>Assessing the immunological hazard of sub-chronically inhaled nanomaterials in normal and diseased lung models</b>  Martin Cliff, Swansea University, Swansea, UK</p> <p><b>Impact of nanomaterials on haemodynamic parameters in normal and disease conditions</b>  Julie Laloy, Université de Namur, Namur, Belgium</p>

10h00–12h00	<p><b>Session 05 – Symposium</b> <b>The use of minipigs in juvenile studies in an evolving regulatory landscape</b></p> <p><b>Chairs:</b> Andrew Makin, Denmark   Lars Friis Mikkelsen, Denmark</p> <p><b>Practical examples of the use of juvenile minipigs in testing drugs and foodstuffs to demonstrate safety for human children</b> Andrew Makin, Citoxlab Denmark, Lille Skensved, Denmark</p> <p><b>The minipig – a rising star for nonclinical safety testing in support of development of paediatric medicines</b> Georg Schmitt, Roche Pharma, Basel, Switzerland</p> <p><b>The juvenile Göttingen minipig: role of organ development in view of food and drug safety in children</b> Steven Van Cruchten, University of Antwerp, Antwerp, Belgium</p> <p><b>Early life nutrition and later life cardiometabolic health in Göttingen Minipigs</b> Sietse Jan Koopmans, Wageningen UR Livestock Research, Wageningen, Netherlands</p>		
10h00–12h00	<p><b>Short Oral Communications I</b> <i>To be selected from submitted abstracts.</i></p>		
12h00–13h00	<p><b>Lunch Break &amp; Exhibition</b></p>		
12h00–13h00	<b>Lunch Industry Session</b>	<b>Lunch Industry Session</b>	<b>Lunch Industry Session</b>
13h00–14h00	<p><b>Poster Viewing 1</b></p>		
14h00–15h00	<p><b>EUROTOX–SOT Debate</b> Alan Boobis (EUROTOX debater) and Cyril Pettit (SOT debater)</p>		



15h00–15h30	<b>Coffee Break, Exhibition &amp; Poster Viewing 1</b>
15h30–17h30	<p><b>Session 06 – Symposium</b>  <b>Human induced pluripotent stem cell (iPSC)-based test systems for future mechanism-based chemical safety testing</b>  <b>Chairs:</b> Catherine Verfaillie, Belgium   Marcel Leist, Germany</p> <p><b>iPSC-derived neurospheres for chemical safety assessment</b>  Andras Dinnyes, Biotalentum, Gödöllő, Hungary</p> <p><b>Multicellular 3D liver models based on hiPSC-derived liver cells</b>  Catherine Verfaillie, Leuven University, Leuven, Belgium</p> <p><b>Fluorescent reporter-based hiPSC test systems for mechanism-based safety assessment</b>  Bas ter Braak, Leiden Academic Centre for Drug Research, Leiden, Netherlands</p> <p><b>Personalized nephrotoxic liability assessment using hiPSC-derived renal glomerular and proximal tubular epithelial cells</b>  Anja Wilmes, Free University Amsterdam, Amsterdam, Netherlands</p>
15h30–17h30	<p><b>Session 07 – Roundtable</b>  <b>Setting the European Environment and Health Research Agenda, 2020-2030: the HERA project</b>  <b>Chairs:</b> Robert Barouki, France   Manolis Kogevinas, Spain</p> <p><b>Identifying research gaps in environment and health research</b>  Roel Vermeulen, Utrecht University, Utrecht, Netherlands</p> <p><b>Identifying research gaps in environment and health research</b>  Annette Peters, Helmholtz Zentrum, Munich, Germany</p> <p><b>Stakeholder approach for identification of research needs of policy and practice in environment, climate and health</b>  Brigit Staatsen, RIVM, Bilthoven, Netherlands</p>

	<p><b>Major environmental stressors and their effect on health: a global perspective</b> N. N., WHO Regional Center, Bonn, Germany</p> <p><b>Infrastructure needs in the field of environment and health</b> Jana Klanova, Recetox, Brno, Czech Republic</p>
15h30–17h30	<p><b>Session 08 – Symposium</b> <b>Back-translation from clinical outcomes, how did investigative toxicology, modelling and simulation actually perform?</b> <b>Chairs:</b> Harrie C.M. Boonen, Denmark   François Pognan, Switzerland</p> <p><b>Application of modelling and simulation techniques to aid forward and back translation of safety endpoints</b> Teresa Collins, AstraZeneca, Cambridge, UK</p> <p><b>Modeling DILI based on <i>in vitro</i> data - does it beat the animal results?</b> Thomas Steger-Hartmann, Bayer AG, Berlin, Germany</p> <p><b>Moving from detection of cardiovascular liabilities to quantitative mechanistic translational understanding: challenges and opportunities</b> Amy Pointon, AstraZeneca, Cambridge, UK</p> <p><b><i>In vitro</i> rat and human GI organoid models for oncology candidate compounds assessment</b> Nicole Rathfelder, Novartis Pharma AG, Basel, Switzerland</p>
15h30–17h30	<p><b>Session 09 – Workshop</b> <b>Increasing confidence in non-animal approaches for regulatory decision-making</b> <b>Chairs:</b> Suzanne Fitzpatrick, USA   Fiona Sewell, UK</p> <p><b>Acceptance of <i>in silico</i> methods for regulatory purposes</b> Glenn Myatt, Leadscope, Columbus, US</p> <p><b>How metabolomics can inform chemical risk assessment</b> Tomasz Sobanski, ECHA, Helsinki, Finland &amp; Mark Viant, University of Birmingham, Birmingham, UK</p>

	<p><b>A new path for pesticide assessment: using the AOP framework as a tool in risk assessment</b> Susanne Hougaard Bennekou, Technical University of Denmark, Kgs. Lyngby, Denmark</p>		
15h30–17h30	<p><b>Session 10 – Symposium</b> <b>Computational modeling of AOP networks to assist risk assessment of chemicals</b> <b>Chairs:</b> Frederic Bois, UK   Joost Beltman, Netherlands</p> <p><b>Quantitative Bayesian networks analyses of mitochondrial toxicity</b> Frederic Bois, CERTARA Inc., Sheffield, UK</p> <p><b>Logic modeling of toxicity pathways</b> Julio Saez-Rodriguez, EMBL, Heidelberg, Germany</p> <p><b>Predicting mitochondrial toxicity with differential equation modeling</b> Joost Beltman, Leiden University, Leiden, Netherlands</p> <p><b>Virtual liver modeling</b> Dirk Drasdo, INRIA &amp; University of Leipzig, Paris &amp; Leipzig, France &amp; Germany</p>		
15h30–17h30	<p><b>Short Oral Communications II</b> <i>To be selected from submitted abstracts.</i></p>		
17h30–18h30	<p><b>Speciality Section Meetings</b></p>		
18h30–20h30	<p><b>Young Scientists Meeting</b></p>		
<p><b>Tuesday, September 8, 2020</b></p>			
07h30–18h30	Congress registration	07h30–08h00 Morning run	09h00–16h30 Exhibition

08h30–09h30	<p><b>SOT Merit Award Lecture</b> Norbert Kaminski, Michigan State University, East Lansing, US</p>
09h30–10h00	<p>Coffee Break, <b>Exhibition &amp; Poster Viewing 2</b></p>
10h00–12h00	<p><b>Session 11 – Symposium</b> <b>Emerging tools for the investigation and prediction of liver toxicity</b> <b>Chairs:</b> Mathieu Vinken, Belgium   Magnus Ingelman-Sundberg, Sweden</p> <p><b>ULA 3D spheroids as a tool for studying normal and diseased liver function and for prediction of drug pharmacokinetics and hepatotoxicity</b> Magnus Ingelman-Sundberg, Karolinska Institutet, Stockholm, Sweden</p> <p><b>Functional imaging of hepatotoxicity</b> Jan Hengstler, Leibniz Research Center (IfADo), Dortmund, Germany</p> <p><b>Dynamic imaging of stress response pathway activation for quantitative systems liver toxicity approaches</b> Bob van de Water, Leiden University, Leiden, Netherlands</p> <p><b>Using real time sensors to illuminate human-relevant mechanisms of action</b> Yaakov Nahmias, Silberman Institute of Life Sciences, Jerusalem, Israel</p>
10h00–12h00	<p><b>Session 12 – Symposium</b> <b>Application of high throughput transcriptomics in mechanism-based chemical safety assessment</b> <b>Chairs:</b> Bob van de Water, Netherlands   Hennie Kamp, Italy</p> <p><b>High throughput transcriptomics for determining chemical-induced perturbations to predict adverse renal outcomes</b> Paul Jennings, Free University Amsterdam, Netherlands</p> <p><b>Early prediction of late adverse outcome using bench-mark dose modelling of high throughput transcriptomics data</b> Scott Auerbach, U.S. NIEHS/National Toxicology Program, Durham, US</p>

	<p><b>Transcriptomic profiling of the inter-individual variability of chemical-induced cellular stress response activation in primary human hepatocytes</b> Marije Niemeijer, Leiden University, Leiden, Netherlands</p> <p><b>Genomics-based platforms in combination with machine learning algorithms enabling well informed and reliable risk assessments for different toxicological endpoints</b> Andy Forreryd, SenzaGen, Lund, Sweden</p>
10h00–12h00	<p><b>Session 13 – Workshop</b> <b>Modes of action in non-genotoxic carcinogenesis</b> <b>Chairs:</b> Jan Vondracek, Czech Republic   William H Bisson, US</p> <p><b>Developing an OECD integrated approach for the testing and assessment of non genotoxic carcinogens</b> Miriam Jacobs, Public Health England, Chilton, UK</p> <p><b>The transforming ability of complex pollutant mixtures in cellular and newly proposed models</b> William H Bisson &amp; Annamaria Colacci, Oregon State University &amp; ARP&amp;E, Corvallis &amp; Bologna, US &amp; Italy</p> <p><b>Non-coding RNAs mechanisms enforcing oncogenic programs and allowing establishment of metastatic niches</b> Martin Bushell, The Beatson Institute, Glasgow, UK</p>
10h00–12h00	<p><b>Session 14 – Symposium</b> <b>New approaches using <i>in vitro</i> assays and 3D models can improve prediction of immune reactions to xenobiotics</b> <b>Chairs:</b> Marc Pallardy, France   Saadia Kerdine-Römer, France</p> <p><b>Immune response to chemicals and drugs: understanding is key for prediction</b> Marc Pallardy, University Paris-Sud, Châtenay-Malabry, France</p> <p><b>How mechanisms can be used to develop new approaches to predict drug-induced hypersensitivity</b> Dean Naisbitt, University of Liverpool, Liverpool, UK</p> <p><b>The challenges of predicting biological products immunogenicity using T-cell assays</b> Bernard Maillère, University of Paris Saclay, Paris, France</p>

	<p><b>Challenges and opportunities of 3D-skin models: the way forward for assessing chemical sensitizers?</b> Sue Gibbs, Free University Amsterdam, Amsterdam, Netherlands</p>		
10h00–12h00	<p><b>Session 15 – Symposium</b> <b>Impact of climate change on food safety</b> <b>Chairs:</b> Angela Mally, Germany   George Kass, Italy</p> <p><b>Mycotoxin risks under a climate change scenario in Europe</b> Antonio Moretti, Institute of Sciences of Food Production, National Research Council, Bari, Italy</p> <p><b>Climate change impacts on harmful algal blooms</b> Dedmer van de Waal, Netherlands Institute of Ecology (NIOO-KNAW), Wageningen, Netherlands</p> <p><b>Ocean warming and Ciguatera fish poisoning</b> Elisa Berdalet, Institute of Marine Sciences (ICM-CSIC), Barcelona, Spain</p> <p><b>Tetrodotoxins in seafood from European waters</b> Ron Hoogenboom, RIKILT Wageningen University &amp; Research, Wageningen, Netherlands</p>		
10h00–12h00	<p><b>Industry Session</b></p>		
12h00–13h00	<p><b>Lunch Break &amp; Exhibition</b></p>		
12h00–13h00	<p><b>Lunch Industry Session</b></p>	<p><b>Lunch Industry Session</b></p>	<p><b>Lunch Industry Session</b></p>
13h00–14h00	<p><b>Poster Viewing 2</b></p>		

14h00–15h00	<b>HESI Lecture</b>
15h00–15h30	Coffee Break, <b>Exhibition &amp; Poster Viewing 2</b>
15h30–17h30	<p><b>Session 16 – Symposium</b>  <b>Human microengineered organs-on-chips: advancing regulatory science through innovation</b>  <b>Chairs:</b> Suzanne Fitzpatrick, USA   Adrian Roth, Switzerland</p> <p><b>Organs-on-chips for safety testing and disease modeling</b>  Geraldine A. Hamilton, Emulate Inc., Boston, US</p> <p><b>Human on a chip – are we there yet?</b>  Uwe Marx, TissUse GmbH, Berlin, Germany</p> <p><b>Integrating organ on a chip into an IATA</b>  Sofia Batista Leite, European Commission's Joint Research Centre, Ispra, Italy</p> <p><b>An industry perspective: importance of organs-on-chips for advancing drug discovery and development</b>  Adrian Roth, Roche Pharma, Basel, Switzerland</p> <p><b>Regulatory Panel Discussion</b>  Moderator: Sonja Beken, Federal Agency for Medicines and Health Products (FAMHP), Brussels, Belgium</p>
15h30–17h30	<p><b>Session 17 – Symposium</b>  <b>Designing toxicology studies to support development of cell-based therapies</b>  <b>Chairs:</b> David Jones, UK   N. N.</p> <p><b>Non-clinical study design considerations in the development of cellular therapeutics</b>  Mark Johnson, Charles River, Mattawan, US</p> <p><b>Preclinical assessment of a pluripotent cell therapy for Parkinson's Disease</b>  Agnete Kirkeby, Lund University, Lund, Sweden</p>

	<p><b>Development of a cell-based therapy for retinitis pigmentosa</b> Sara Patel, Reneuron Ltd., Bridgend, UK</p> <p><b>A stepping stone to cure type 1 diabetes</b> Dorthe Bach Toff, NovoNordisk, Måløv, Denmark</p>
15h30–17h30	<p><b>Session 18 – Symposium</b> <b>Mechanistic toxicology as the basis for modelling and prediction of organ-specific toxicity</b> <b>Chairs:</b> Anna Bal-Price, Italy   Ulla Vogel, Denmark</p> <p><b>Applying the adverse outcome pathways network for understanding and predicting neurotoxicity</b> Anna Bal-Price, European Commission Joint Research Centre, Ispra, Italy</p> <p><b>Application of the adverse outcome pathway conceptual framework for translation of mechanistic data into regulatory decisions: adverse outcome pathways for kidney injury as case study</b> Angela Mally, University of Würzburg, Würzburg, Germany</p> <p><b>Novel means of high-throughput toxicogenomics and adverse outcome pathways application for prediction of lung toxicity</b> Penny Nymark, Karolinska Institutet, Stockholm, Sweden</p> <p><b>Development and application of an adverse outcome pathway of cholestatic liver injury</b> Mathieu Vinken, Vrije Universiteit Brussels. Brussels, Belgium</p>
15h30–17h30	<p><b>Session 19 – Workshop</b> <b>Can we panelize seizure?</b> <b>Chairs:</b> Ruth Roberts, UK   Jennifer Pierson, US</p> <p><b>Seizure liability in drug discovery and development</b> Jean-Pierre Valentin, UCB, Braine-l'Alleud, Belgium</p> <p><b>Using ion channels to panelise seizure: where are we up to?</b> Mike Morton, ApconiX, Alderley Park, UK</p>



	<p><b>Development of seizure prediction methods using MEA system in human iPS cell-derived neurons</b> Ikuro Suzuki, Tohoku Institute of Technology, Sendai, Japan</p> <p><b>Panel Discussion focusing on key questions:</b> <b>confidence in the biology, confidence in the robustness of the assay and confidence in translation to the clinic and the patient</b> All speakers</p>	
15h30–17h30	<p><b>Session 20 – Workshop</b> <b>Modernizing cancer risk assessment: beyond the bioassay</b> <b>Chairs:</b> Gina Hilton, UK   Mirjam Luijten, Netherlands</p> <p><b>State of the science on chemical carcinogenesis and human risk</b> Alan Boobis, Imperial College London, UK</p> <p><b>Current approaches that are available to safely assess cancer risk</b> Virunya Bhat, NSF International, US</p> <p><b>Opportunities for the future of cancer risk assessment</b> Jan Willem van der Laan, Netherlands Organization for Applied Scientific Research (TNO), Zeist, Netherlands</p>	
15h30–17h30	<p><b>Industry Session</b></p>	
19h30–0h00	<p>Congress Dinner at Langelinie Pavillon</p>	
<p><b>Wednesday, 9 September 2020</b></p>		
08h00–13h00	<p>Congress registration</p>	<p>09h00–12h00 Exhibition</p>
08h30–09h30	<p><b>Keynote Lecture 02</b> <b>“Genetics load the gun, but environment pulls the trigger” – the human early-life exposome</b></p>	

	Martine Vrijheid, ISGlobal, Barcelona, Spain
<b>09h30–11h30</b>	<p><b>Session 21 – Symposium</b>  <b>Drug – exposome interactions</b>  <b>Chairs:</b> Benedikt Warth, Austria   Angela Mally, Germany</p> <p><b>The exposome: drugs, toxicants, and metabolites</b>  Gary W. Miller, Columbia University, New York City, US</p> <p><b>Impact of dietary xenoestrogens and other food contaminants on drug metabolism and action</b>  Benedikt Warth, University of Vienna, Vienna, Austria</p> <p><b>The Central European Longitudinal Studies of Parents and Children (CELSPAC) from an exposome perspective</b>  Jana Klánová, Masaryk University, Brno, Czech Republic</p> <p><b>Biotransformation-driven interactions and precision responses to chemotherapy</b>  Shana Sturla, ETH Zurich, Zurich, Switzerland</p>
<b>09h30–11h30</b>	<p><b>Session 22 – Symposium</b>  <b>Computational models to reliably predict chemical mixture toxicity</b>  <b>Chairs:</b> Aristidis Tsatsakis, Greece   Michael Aschner, US</p> <p><b>Neurodegenerative effects of metal mixtures: the search for biomarkers of exposure and outcome</b>  Michael Aschner, Albert Einstein College of Medicine, New York, US</p> <p><b>Systems toxicology models for the development of AOP networks induced by exposure to complex mixtures</b>  Denis Sarigiannis, University School of Advanced Studies IUSS, Pavia, Italy</p> <p><b>Computational modelling: A new paradigm for chemical mixtures risk assessment?</b>  Antonio F. Hernandez, University of Granada School of Medicine, Granada, Spain</p>

	<p><b>PBPK modelling: Bridging animal-free toxicology tools and conventional in vivo testing for cumulative risk assessment after long-term-low-dose exposure to chemical mixtures</b> Marina Goumenou, University of Crete Medical School, Heraklion, Greece</p>
09h30–11h30	<p><b>Session 23 – Symposium</b> <b>The value of micro-physiological systems for drug safety assessment – a series of case studies</b> <b>Chairs:</b> Ekaterina Breous-Nystrom, Switzerland   Thomas Steger-Hartmann, Germany</p> <p><b>Immune-competent microphysiological system to recapitulate antibody-induced organ damage in cancer immunotherapies</b> Ekaterina Breous-Nystrom, Roche Pharma, Switzerland</p> <p><b>A 2-organ, 2 species chip system to evaluate the interaction between thyroid and liver</b> Diana Karwelat, Bayer AG, Berlin</p> <p><b>The importance of patient-centricity to improve the productivity of organ-chip models</b> Lorna Ewart, Veroli Consulting Limited, UK</p> <p><b>In vitro rat and human GI organoid models in for oncology candidate compounds assessment</b> François Pognan, Novartis Pharma AG, Basel, Switzerland</p>
09h30–11h30	<p><b>Session 24 – Symposium</b> <b>Building confidence in the use of New Approach Methodologies for safety decision-making</b> <b>Chairs:</b> Alistair Middleton, UK   Ans Punt, Netherlands</p> <p><b>Strategies to develop and apply integrated in vitro-in silico PBPK models in next generation risk assessment</b> Ans Punt, RIKILT Wageningen University and Research, Wageningen, Netherlands</p> <p><b>In-silico approaches to link adverse outcomes to molecular initiating events through AOPs</b> Richard Williams, Lhasa Limited, Leeds, UK</p> <p><b>Strategic use of high-throughput transcriptomics and phenotypic profiling data in support of regulatory decisions</b></p>

	<p>Joshua Harrill, US EPA NCCT, Research Triangle Park, US</p> <p><b>An industry perspective on strategies for integrating new approach methodologies for next generation risk assessment: coumarin as a case study</b> Maria Baltazar, Unilever Safety and Environmental Assurance Centre, Bedford, UK</p>
09h30–11h30	<p><b>Session 25 – Symposium</b> <b>Safeguarding female reproductive health across disciplines</b> <b>Chairs:</b> Julie Boberg, Denmark   Paul Fowler, UK</p> <p><b>Effects of early EDC exposure on female rat reproductive development</b> Hanna KL Johansson, Technical University of Denmark, Kgs. Lyngby, Denmark</p> <p><b>Reproductive toxicity in wildlife</b> Alan Vajda, University of Colorado, Denver, US</p> <p><b>Influence of EDCs on female puberty – evidence from human epidemiology</b> Juil Anders, Copenhagen University Hospital, Copenhagen, Denmark</p> <p><b>EDCs and female fertility – what can we learn from human clinical samples?</b> Pauliina Damdimopoulou, Karolinska University Hospital, Stockholm, Sweden</p>
11h30–12h00	<b>Coffee Break &amp; Exhibition</b>
12h00–14h00	<p><b>Session 26 – Symposium</b> <b>Computational toxicology – new advances and acceptance in academia, industry and regulation</b> <b>Chairs:</b> Timothy Allen, UK   Ruth Roberts, UK</p> <p><b>Developing and assessing in silico profilers for organ-level toxicity using non-standard data</b> Mark Cronin, Liverpool John Moores University, Liverpool, UK</p>

	<p><b><i>In silico</i> toxicology – what computational tools can (and cannot) do</b> Andreas Bender, University of Cambridge, Cambridge, UK</p> <p><b>Industrial perspectives on <i>in silico</i> tools – early screening to regulatory applications</b> Catrin Hasselgren, Genentech, San Francisco, US</p> <p><b>Open source computational toxicology tools in food and feed safety: Integrating historical data, meta-analysis and species-specific generic models</b> Jean-Lou Dorne, EFSA, Parma, Italy</p>
12h00–14h00	<p><b>Session 27 – Symposium</b> <b>Predictive systems to identify etiological factors and pathogenic mechanisms of neurodegeneration</b> <b>Chairs:</b> Jonathan Doorn, US   Jason Cannon, US</p> <p><b>Translation of mechanistic data into <i>in vivo</i> systems to predict risk for neurodegeneration</b> Jason Cannon, Purdue University, West Lafayette, US</p> <p><b>Altered neurotransmitter homeostasis as a mechanistic biomarker of neurotoxicity progressing to neurodegeneration</b> Jonathan Doorn, University of Iowa, Iowa City, US</p> <p><b>Application of an adverse outcome pathway-based <i>in vitro</i> testing battery for neurotoxicity evaluation</b> Ellen Fritsche, IUF-Liebniz Research Institute for Environmental Medicine, Düsseldorf, Germany</p> <p><b><i>In vitro</i> neurotoxicity test methods: from development to degeneration</b> Remco Westerink, Utrecht University, Utrecht, Netherlands</p>
12h00–14h00	<p><b>Session 28 – Symposium</b> <b>Preclinical immune-safety evaluation of immuno-oncology therapies</b> <b>Chairs:</b> Curtis Maier, US   TBC</p> <p><b>Current nonclinical evaluation of immune-related safety risks for IO biopharmaceuticals</b></p>

	<p>Simon Chivers, Integrated Biologix, UK</p> <p><b>Current nonclinical evaluation of immune-related safety risks for engineered T cell therapies</b> Hervé Lebec, AMGEN, US</p> <p><b>Clinical immune-related adverse events</b> Nathalie Chaput-Gras, University Paris-Sud Institut Gustave Roussy, Châtenay-Malabry &amp; Villejuif, France</p> <p><b>Regulatory considerations and establishing FIH dose across immunomodulators</b> Gabriele Reichmann, Paul-Ehrlich-Institut, Langen, Germany</p>
12h00–14h00	<p><b>Session 29 – Symposium</b> <b>Is there a human risk to PFAS exposure?</b> <b>Chairs:</b> N. N.   Philippe Grandjean, Denmark</p> <p><b>Health effects and mechanisms of action of fluorinated chemicals – an overview</b> Anne Marie Vinggaard, Technical University of Denmark, Kgs. Lyngby, Denmark</p> <p><b>Epidemiological approaches to PFAS toxicity</b> Philippe Grandjean, University of Southern Denmark &amp; Boston University, Odense &amp; Boston, Denmark &amp; US</p> <p><b>Risk to PFAS in the human population – bioassay testing of PFAS mixtures in human blood</b> Eva Bonfeldt-Jørgensen, University of Aarhus, Aarhus, Denmark</p> <p><b>Wide-spread PFAS contamination of drinking water in Sweden – exposure and health risk assessment</b> Anders Glynn, SLU, Uppsala, Sweden</p>
12h00–14h00	<p><b>Session 30 – Symposium</b> <b>Revisiting paracetamol-induced multisystem toxicity: Novel mechanistic insights</b> <b>Chairs:</b> Hilmi Orhan, Turkey   Hartmut Jaeschke, US</p> <p><b>Paracetamol hepatotoxicity: Discovering new drugs based on mechanistic insight from animal studies</b></p>

	<p>Hartmut Jaeschke, University of Kansas Medical Center, Kansas City, US</p> <p><b>Paracetamol-associated adverse reactions in kidney: different mechanistic pathways compared to liver</b> Hilmi Orhan, Ege University, Izmir, Turkey</p> <p><b>Paracetamol and pregnancy: short- and long-term consequences for mother and child</b> Gisa Tiegs, University Medical Center Eppendorf, Hamburg, Germany</p> <p><b>Paracetamol and development – reasons for concern</b> David Kristensen, University of Copenhagen &amp; Inserm, Irset, Copenhagen &amp; Rennes, Denmark &amp; France</p>
14h00–14h30	<b>Closing Ceremony and Awards presentation</b>