

<b>MONDAY 17<sup>th</sup> April 2023 – Park Regis Hotel, 160 Broad Street, Birmingham, B15 1DT, UK</b>		
09:00	Registration open for CEP and Congress Delegates	
11:30 – 12:30	<b>BTS Scientific Subcommittee Meeting</b> [Dunlop – Level 15]	
<b>Continuing Education Programme</b>		
<b>UK Regulation Across the Sectors – Current Practice and Future Perspectives</b> [Sky Gallery – Level 16]		
09:30 – 9:35	<b>Introduction</b> Chairs: Dr. Helen Nakeeb (UK Health Security Agency) and Dr. Claire Pottle (Exponent)	
09:35 – 10:00	Regulation of Chemicals in Food – Dr. Claire Potter and Dr. Cath Mulholland (Food Standards Agency)	
10:00 – 10:25	Regulation of Pesticides – Dr. Susy Brescia (Health and Safety Executive)	
10:25 – 10:55	<i>Refreshments</i>	
10:55 – 11:20	Regulation of Consumer Products – Ms. Frances Hill (Department for Business and Trade)	
11:20 – 11:45	Regulation of Pharmaceuticals – Dr. John Clements (Medicines and Healthcare products Regulatory Agency)	
11:45 – 12.30	<i>Lunch, &amp; Trade Exhibition</i> [Garrard & Blumfield Suite, Level 15]	
<b>Congress Programme</b>		
12:30 – 12:45	<b>Congress Welcome</b> <b>BTS President: Prof. Brian Lake</b> (University of Surrey) [Sky Gallery – Level 16]	
12:45 – 13:30	<b>Plenary Lecture: Toxicological aspects of nano- and micro-plastic particles</b> <b>Dr. Todd Gouin</b> (TG Environmental Research) Chair: Dr. Philip Botham (Syngenta) [Sky Gallery – Level 16]	
13:30 – 14:30	<b>BTS AGM</b> [Sky Gallery – Level 16]	
14.30 – 15.00	<b>Refreshments, Posters &amp; Trade Exhibition</b> [Garrard & Blumfield Suite – Level 15]	
<b>Symposium 1: Dose-Response relationships in chemical risk assessment – is there a new paradigm shift?</b> Chairs: Dr. Susy Brescia and Ms. Georgia Reynolds (NEST) [Hosted by Risk Assessment Speciality Section] [Sky Gallery – Level 16]		<b>Symposium 2: Increasing predictive power: exploiting current knowledge to advance preclinical testing</b> Chairs: Dr. Carolin Schramm and Dr. Nicholas Coltman (NEST) [Hosted by: Mechanistic and Discovery Toxicology Speciality Section] [Sky Loft – Level 16]
15:00 – 15:30	New application of dose-response analysis: deriving relative potencies for mixture risk assessment – <b>Dr. Bas Bokkers</b> (RIVM, NL)	Learnings from when preclinical drug development failed to predict adverse events in clinical trials. <b>Dr. Lap Hing Chi</b> (La Trobe University, Bundoora, Victoria, Australia) <b>Virtual presentation</b>
15:30 – 16:00	Non-monotonic dose-responses: state of the art – <b>Prof. Alan Boobis</b> (Imperial College, London, UK)	Large-scale human genetics in drug target discovery and safety assessment. <b>Dr. Eleanor Wheeler</b> (AstraZeneca, Cambridge, UK)
16:00 – 16:30	Thresholds for genotoxicity – <b>Prof. Gareth Jenkins</b> (Swansea Uni, UK)	Benefits of humanised mouse models in drug discovery. <b>Prof. Roland Wolf</b> (University of Dundee, UK)

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16:30 – 17:00	Endocrine disruptors: is a threshold approach justified? – <b>Dr. Christopher Borget</b> (Applied Pharmacology and Toxicology, Inc. Gainesville, FL, USA)	16:30 to 16:45	<b>Oral Communication:</b> Unravelling species differences in hepatic stress response capacity to inform the selection of animals for use in preclinical drug safety assessment <b>Ms. Hannah Coghlan</b> (MRC Centre for Drug Safety Science)
		16:45 to 17:00	Symposium Reflection and Discussion
17:00 – 17:20	<b>Refreshments, Posters &amp; Trade Exhibition</b> [Garrard & Blumfield Suite – Level 15]		
17:20 – 17:50	<b>Malcolm Blackwell Award &amp; NEST Lecture: A cheap unlimited supply of donor-free functional hepatocytes for Toxicology, a NAM hiding in plain sight</b> <b>Prof. Matthew Wright (University of Newcastle, UK)</b> <i>Chair: Mr. Jamie Dunn (NEST)</i> [Sky Gallery – Level 16]		
17:50 onwards	<b>Drinks Reception</b> <b>[Garrard &amp; Blumfield Suite, Level 15]</b> <i>BTS Exec Committee Members will be identified by their congress badges and invite members to ask questions, provide feedback, and make suggestions – it's your society!</i>		
18:15 onwards	<b>NEST Networking Session - [Armstrong, Level 15]</b>		

<b>TUESDAY 18<sup>th</sup> April 2023</b>		
07:30 – 09:00	<b>BTS Ambassadors Breakfast – location: Boulton – Level 4 (take self-service breakfast from restaurant)</b>	
08:00	Registration opens	
	<b>Symposium 3: Clinical Toxicology Workshop</b> <i>Chairs: Dr. James Coulson</i> [Hosted by: Clinical & Human Toxicology Speciality Section and the British Pharmacology Society] <b>[Sky Gallery – Level 16]</b>	<b>Symposium 4: Application of in vitro methods for mechanistic understanding and decision making</b> <i>Chairs: Dr. Fiona Sewell and Prof. Martin Clift</i> [Supported by: NC3Rs and UK AAT] <b>[Sky loft – Level 16]</b>
09:00 – 09:30	Introduction to Clinical Toxicology – <b>Dr. Laurence Gray</b> (University Hospital Llandough, Cardiff)	The RTgill-W1 cell line assay replacing the use of fish in support of OECD Test guideline 249 <b>Prof. Kristin Schirmer</b> (aQuaTox-Solutions, Switzerland)
09:30 – 10:00	Liver safety at the transition between pre-clinical and clinical trials – <b>Dr. Dominic Williams</b> (AstraZeneca, UK)	<i>In vitro</i> panels for seizure screening <b>Dr. Kimberley Rockley</b> (Apconix, UK)
10:00 – 10:30	Environmental pollution and cardiovascular disease: why is it all up in the air? – <b>Dr. Mark Miller</b> (University of Edinburgh)	Validation of new in vitro alternatives to animal tests <b>Dr. Helena Kandarova</b> (ESTIV, Slovakia)
10:30 – 10:45	<u>Oral Communication</u> : Case Report of the Chemical Investigation of Incidents of Hepatitis of Unknown Origin in Children in 2022 <b>Prof. Timothy Gant</b> (UKHSA)	<u>Oral Communication</u> : Are non-animal systemic safety assessments protective? A toolbox and evaluation strategy <b>Dr. Alistair Middleton</b> (Unilever, UK)
10:45 – 11:00	<i>Symposium Reflection &amp; Discussion Session</i>	<i>Symposium Reflection &amp; Discussion Session</i>
11:00 – 11:30	<b>Refreshments, Posters &amp; Trade Exhibition</b> [Garrard & Blumfield Suite – Level 15]	
11:30 – 13:00	<b>Panel Discussion “Working on Scientific Advisory Committees: Why and How?”</b> <b>Panel members: Dr. Camilla Alexander-White, Dr. Meera Cush, Ms. Frances Hill, Dr. Lesley Stanley, Prof. Heather Wallace, Prof. Matthew Wright,</b> <b>Organiser: Dr. Ruth Dempsey (Science Speaks)</b> <b>[Sky Gallery – Level 16]</b>	<b>BTS Study Director Workshop</b> <i>Chairs: Mr. Warren Harvey (ICON) &amp; Mr. Sean O’Halloran (LabCorp Drug Development)</i> <b>[Sky loft – Level 16]</b>
	<ul style="list-style-type: none"> <li>Panel members from: Advisory Committee on Novel Foods and Processes (ACNFP), Committee on Carcinogenicity of Chemicals in Food (CoC), Committee on Toxicity (COT), UK Expert Committee on Pesticides (ECP), Food Safety Agency (FSA), Office for Product Safety and Standards (OPSS) secretariat, UK REACH Independent Science Expert Pool (RISEP), OPSS Science Advisory Group on chemical safety in Consumer Products (SAG-CS), Health and Safety Executive Science Quality Assurance Group (SQAG).</li> <li>Discussion of changes in emphasis in UK post EU-exit</li> <li>Case studies</li> <li>Type of toxicologists needed</li> <li>Discussion, Q&amp;A</li> </ul>	<ul style="list-style-type: none"> <li><b>Dr. Poornima Paramasivan</b> (Concept Life Sciences): VM7Luc Estrogen Receptor Transactivation Test Method for Identifying Estrogen Receptor Agonists and Antagonists (OECD TG 455, ANNEX 3) – Method set-up and validation</li> <li><b>Ms. Julie Eakins</b> (Cyprotex): Understanding mechanism of TAK-875 drug induced liver injury</li> <li><b>Mrs. Hannah Kilbee</b> (LabCorp): Rodent Intracranial Surgery – Gene/Cell Therapy Safety Testing</li> <li><b>Frances Tyler</b> (Sequani): Considerations for dermal toxicity studies</li> </ul>
13:00 – 14:00	<b>Lunch, Posters &amp; Trade Exhibition</b> [Garrard & Blumfield Suite – Level 15]	
13:00 – 14:00	BTS Poster Communications Judging	
	<b>BTS Selected Short Oral Communications</b> <i>Chair: Prof. Ian Copple (University of Liverpool)</i> <b>[Sky Gallery – Level 16]</b>	

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14:00 - 14:15	Physicochemical Characterisation and Potential Health Effects of Tyre Wear Particles <b>Mr David O'Loughlin</b> (MRC Toxicology Unit)
14:15 – 14:30	Linking metabolic and reproductive disruption induced by organophosphate flame retardants using an in vitro human 3D cell culture models <b>Mr. Chander Kant Negi</b> (Recetox)
14:30 – 14:45	Translation byproducts from therapeutic messenger RNAs and off-target immune responses <b>Dr. Thomas Mulrone</b> (MRC Toxicology Unit)
	<b>BTS Selected Short Oral Communications</b> <i>Chair: Dr Lesley Reeve (LabCorp Drug Development)</i> <b>[Sky Gallery – Level 16]</b>
14:45 – 15:00	Novel microRNA Biomarkers for Monitoring Distinct Profiles of Chronic and Acute Methotrexate-Induced Liver Toxicity Represented in a Pre-Clinical in vivo Model <b>Mr. Joseph Brown</b> (University of Liverpool)
15:00 – 15:15	Identification of aripiprazole-binding proteins using thermal proteomics <b>Mr. Yizhou Yu</b> (University of Cambridge)
15:15 – 15:30	Pioneering platform enables rapid translational data review <b>Dr Brenda Finney</b> (Instem)
15:30 – 15:45	BTS Poster Communications Judging
15:45 – 16:30	<b>Frank Sullivan Award and Early-Career Prize Lecture:</b> Characterisation of morphological and molecular changes in macrophages following exposure to brake wear particles <b>Dr. Liza Emirali</b> (MRC Toxicology Unit) <i>Chair: Prof. Ian Copple (University of Liverpool) &amp; Laura Booth (NEST)</i> <b>[Sky Gallery – Level 16]</b>
16:30 -	<b>Refreshments, Posters &amp; Trade Exhibition</b> <b>[Garrard &amp; Blumfield Suite – Level 15]</b>
16:30 – 17:20	<b>BTS Speciality Sections Round-Table Discussions (Open to All delegates)</b> Open discussions on future activities and discussion topics of the speciality sections - led by the section Co-ordinators <b>Mechanistic and Discovery Toxicology</b> [Boulton – Level 4] <b>Computational and <i>In silico</i> Toxicology</b> [Chamberlain – Level 4] <b>Clinical and Human Toxicology</b> [Sky Loft – Level 16] <b>Ecotoxicology</b> [Dunlop – Level 15] <b>Regulatory Toxicology</b> [Sky Gallery – Level 16] <b>Risk Assessment</b> [Armstrong – Level 15]
17:30 – 18:30	<b>BTS: Barnes Prize Lecture: Carcinogenesis: DNA Reactivity, Cell Proliferation, and Human Relevance</b> <b>Prof. S M Cohen</b> (University of Nebraska Medical Center) <i>Chair: BTS President, Prof. Brian Lake</i> <b>[Sky Gallery – Level 16]</b>
19:30 – 20:00	<b>Delegate Networking and Congress Dinner Drinks Reception</b> <b>[Sky loft – Level 16]</b>
20:00 – Late	<b>Congress Dinner &amp; Entertainment</b> <b>[Sky Gallery – Level 16]</b>

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<b>WEDNESDAY 19<sup>th</sup> April 2023</b>		
08:00	Registration opens	
	<i>(Later start to allow delegate check-out from hotels)</i>	
	<p><b>Symposium 5: Current OECD Regulatory Developments for Nanomaterials</b>  <i>Chairs: Dr. Rachel Smith and Dr. Miriam Jacobs</i>            [Hosted by: Regulatory Toxicology Speciality Section]  <b>[Sky Gallery – Level 16]</b></p>	<p><b>Symposium 6: Innovative approaches supporting the toxicological evaluation of agrochemicals</b>  <i>Chairs: Dr. Richard Currie (Syngenta) and Mr. Nium Johal (NEST)</i>            [Proposed and Hosted by BTS Members]  <b>[Sky Loft – Level 16]</b></p>
09:45 – 10:15	Development of a TG/GD for nanoparticle toxicokinetics - A joint NL/UK initiative – <b>Dr. Rachel Smith</b> (UK HSA)	Refining inhalation risk assessment of products using an integrated approach for testing and assessment – <b>Dr. Alex Charlton</b> (Syngenta, North Carolina, US) <b>Virtual presentation</b>
10:15 – 10:45	Preliminary OECD guidance document for in vitro genotoxicity testing of nanomaterials – <b>Dr. Shareen Doak</b> (University of Swansea)	NAMs- and PBK-based Mode of Action and Human Relevance Assessment: the Spinosad case example – <b>Dr. Marco Corvaro</b> (Corteva Agriscience, Rome, Italy)
10:45 – 11:15	Advanced in vitro approach to investigate nanoparticle behaviour in the oro-gastrointestinal tract – <b>Dr. Isabella De Angelis</b> (ISS) Istituto Superiore di Sanità Environment and Health Department	Towards multi-omic predictors of aquatic acute-to-chronic toxicity ratios – <b>Prof. Mark Viant</b> (Michabo Health Science, UK)
11:15 – 11:30	<b>Oral Communication:</b> Understanding how CeO <sub>2</sub> nanoparticles modulate bleomycin-induced inflammatory and fibrotic events in both in vivo and in vitro models <b>Dr. Chang Guo</b> (UKHSA)	<b>Oral Communication:</b> Assessing the relevance of an OECD Adverse Outcome Pathway (AOP) to the mammalian toxicity of fenazaquin <b>Mr. Kim Z Travis</b> (Regulatory Science Associates)
11:30 – 11:45	Symposium Reflection and Discussion	Symposium Reflection and Discussion
11:45 – 12:10	<i>Refreshments, Posters &amp; Trade Exhibition</i> [Garrard & Blumfield Suite – Level 15]	
12:10 – 12:45	<p><b>Hot Topic Lecture: Sebomics – potential applications in toxicology</b>  <b>Professor Perdita Barran</b> (University of Manchester, UK)  <i>Chair: Dr. Lesley Reeve (LabCorp Drug Development)</i>  <b>[Sky Gallery]</b></p>	
12:45 – 13:30	<i>Lunch, Posters &amp; Trade Exhibition</i> [Garrard & Blumfield Suite – Level 15]	
	<p><b>Symposium 7: Confident PBK modelling in NGRA</b>  <i>Chairs: Dr. Hequn Li and Dr. Ovnair Sepai</i>            [Hosted by <i>In silico</i> Toxicology Speciality Section and the Royal Society of Chemistry]  <b>[Sky Gallery – Level 16]</b></p>	<p><b>Symposium 8: Increasing the use of cross-species extrapolation to support decision making</b>  <i>Chairs: Dr. Natalie Burden and Mr. Nium Johal (NEST)</i>            [Hosted by: Ecotoxicology Speciality Section]  <b>[Sky Loft – Level 16]</b></p>
13:30 – 14:00	Systematic review of PBK models to facilitate a read across approach – <b>Dr. Alicia Paini</b> , esqLABS, Germany <b>Virtual Presentation</b>	Overview of the International Consortium to Advance Cross Species Extrapolation in Regulation (ICACSER) – <b>Dr. Geoff Hodges</b> , Unilever, UK
14:00 – 14:30	The potential of PBK modelling to inform agrochemical safety and reduce toxicity testing – <b>Dr. J.A. Leedale</b> , Syngenta, UK	ERGO: Breaking Down the Wall between Human Health and Environmental Testing of Endocrine Disrupters – <b>Assistant Prof. Lisa Baumann</b> , Vrije Universiteit, Amsterdam, NL <b>Virtual Presentation</b>
14:30 – 15:00	Next Generation Risk Assessment of the Anti-Androgen Flutamide Including the Contribution of Its Active Metabolite Hydroxyflutamide – <b>Ms. Tessa van Tongeren</b> , Wageningen University, NL	The MetaPath project: Examples of comparative metabolism across species – <b>Dr. Rick Kolanczyk</b> , US EPA, USA <b>Virtual Presentation</b>

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15:00 – 15:15	<b>Oral Communication:</b> The journey towards confidence— ADME characterizations and development of a human PBK model for making safety decisions: a case study of an UV- filter benzophenone-4 <b>Dr. Hequn Li</b> , Unilever, UK	<b>Oral Communication:</b> Replacing the need for in vivo BCF studies - the use of <i>in vitro</i> biotransformation data in a WoE approach for the REACH registration of fragrance chemicals <b>Dr. Karen Jenner</b> (Givaudan UK Ltd)
15:15 – 15:30	Symposium Reflection and Discussion	Symposium Reflection and Discussion
15:30 - 15:45	<b>Close of Congress</b> <b>BTS President:</b> <i>Prof Brian Lake (University of Surrey)</i> <b>[Sky Gallery – Level 16]</b>	