

*** Program at a Glance**

| Date / Time | April 9 (Tue) | April 10 (Wed) |
|-------------|--|--|
| 8:30 | Registration _3F Lobby | Registration _3F Lobby |
| 9:00 | Invited Lecture 2 (9:00-9:40) | Invited Lecture 3 (9:00-9:40) |
| | Break | Break |
| 10:00 | Oral Sessions (10:00-11:40) | Oral Sessions (10:00-11:40) |
| 11:00 | | |
| 12:00 | Lunch_2F Ruby Hall (11:40-13:30) | Lunch_2F Ruby Hall (11:40-13:30) |
| 13:00 | | |
| | Poster Session 2_3F Sapphire Hall (13:30-14:30) | Oral Sessions (13:30-15:10) |
| 14:00 | | |
| | Oral Sessions (14:30-15:50) | Break |
| 15:00 | | - Student Presentation Awards - Introducing the next BFR - Closing Ceremony (15:30-16:20) |
| | Break | |
| 16:00 | Oral Sessions (16:20-17:40) | |
| 17:00 | | |
| | Break | |
| 18:00 | | |
| 19:00 | Banquet _Outdoor Courtyard, Gyeongwonjae Ambassador Incheon (18:30-20:30) | |
| 20:00 | | |
| 21:00 | | |

| Date/ Time | Oral Session_Day 2 (April 9, 2024, Tuesday) | |
|----------------|---|--|
| 8:30-9:00 | [Room: 3F Lobby] Registration | |
| 9:00-9:40 | [Room: Diamond Hall (3F)] Invited Lecture 2 (Chair:) UPDATE ON POLYCHLORINATED ALKANE RESEARCH: PROGRESS AND CHALLENGES <i>Adrian COVACI*</i> (University of Antwerp, Belgium) | |
| 9:40-10:00 | Break (20 min) | |
| Session | Session 4. Human Exposure | |
| Chair | TBA | |
| 10:00-10:20 | ORT5-019 | INTERNAL EXPOSURE OF ORGANOPHOSPHATE ESTERS AND THEIR METABOLITES IN THE POPULATION <i>Jiixin WU, Zhixiong SHI*</i> (Capital Medical University, China) |
| 10:20-10:40 | ORT5-024 | EFSA UPDATE OF THE RISK ASSESSMENT OF POLYBROMINATED DIPHENYL ETHERS (PBDES) IN FOOD <i>Martin ROSE^{1*}, Christiane VLEMINKX², Luisa RAMOS BORDAJANDI³</i> (¹ University of Manchester, UK, ² Chair of EFSA working group on Brominated Flame Retardants, Belgium, ³ EFSA, Italy) |
| 10:40-11:00 | ORT5-025 | ASSESSING INHALATION EXPOSURE USING THERMAL MANIKINS: THE CASE STUDY OF FACEMASK USE <i>Ethel ELJARRAT*, Sandra CALLEJAS-MARTOS, Julio FERNÁNDEZ-ARRIBAS</i> (Institute of Environmental Assessment and Water Research (IDAEA)-CSIC, Spain) |
| 11:00-11:20 | ORT5-043 | BIOMONITORING ON EXPOSURE OF CHINESE PREGNANT WOMEN TO ORGANOPHOSPHATE FLAME RETARDANTS <i>Meiqi GUO, Zhipeng CHENG, Lei WANG*</i> (Nankai University, China) |
| 11:20-11:40 | ORT11-012 | CONTACT LENS USE AS A POTENTIAL ROUTE OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) EXPOSURE <i>Habyeong KANG¹, Sujin NAM¹, Yun-Hee CHOI², Dong Hyun KIM², Yoon-Hyeong CHOI^{1*}</i> (¹ Korea University College of Health Science, ² Korea University College of Medicine, Korea) |
| 11:40-13:30 | [Room: Ruby Hall (2F)] Lunch | |
| 13:30-14:30 | [Room: 3F Sapphire Hall] Poster Session 2 | |
| Session | Session 5. Chlorinated Paraffins | |
| Chair | TBA | |
| 14:30-14:50 | ORT7-008 | POLYCHLORINATED ALKANES (PCAS): (RE)INTRODUCING A SCIENTIFICALLY APPROPRIATE TERM FOR THE REPORTED CONSTITUENTS OF CHLORINATED PARAFFINS <i>Kerstin KRÄTSCHEMER^{1*}, Alwyn R. FERNANDES², Ake BERGMAN³</i> (¹ Wageningen University & Research, The Netherlands, ² University of East Anglia, UK, ³ Stockholm University, Sweden) |
| 14:50-15:10 | ORT7-023 | UNVEILING THE METABOLIC PATHWAYS OF CHLORINATED PARAFFINS: SPOTLIGHT ON BIOTRANSFORMATION PRODUCTS <i>Huiling LIU^{1*}, Yiran JI^{1,2}, Alexey GOROVY¹, Sicco BRANDSMA², Timo HAMERS², Louise VAN MOURIK², Jon Eigill JOHANSEN¹, Pim LEONARDS²</i> (¹ Chiron AS, Norway, ² Vrije Universiteit Amsterdam, The Netherlands) |
| 15:10-15:30 | ORT7-034 | ASSESSMENT OF POLYCHLORINATED ALKANES (PCAS) IN OUTDOOR DUST AND SOIL FROM E-WASTE SITES IN NIGERIA <i>Shanshan YIN^{1,4*}, Bilikis FOLARIN^{1,2,3}, Giulia POMA¹, Adrian COVACI¹</i> (¹ University of Antwerp, Belgium, ² University of Lagos, Nigeria, ³ Chrisland University, Nigeria, ⁴ Zhejiang Shuren University, China) |
| 15:30-15:50 | ORT7-084 | CHARACTERIZATION OF SHORT-, MEDIUM- AND LONG-CHAIN CHLORINATED PARAFFINS IN HOUSE DUST FROM SOUTH CHINA AND MIDWESTERN UNITED STATES <i>Xiaotu LIU*, Yumeng SHI, Shuqin TANG</i> (Jinan University, China) |
| 15:50-16:10 | Break (20 min) | |
| Session | Session 6. Emerging FRs and Other Related Contaminants | |
| Chair | TBA | |
| 16:10-16:30 | ORT8-068 | IDENTIFYING RELEVANT E-BFRS FOR ROUTINE MONITORING OF FOOD <i>Theresa ZWICKEL^{1*}, Alexander SCHÄCHTELE¹, Alwyn FERNANDES²</i> (¹ European Union Reference Laboratory for halogenated POPs, Germany, ² University of East Anglia, UK) |
| 16:30-16:50 | ORT2-096 | BIOACCUMULATION OF OPES AND THEIR DEGRADATION PRODUCTS IN MARINE FOODWEB FROM INDUSTRIALIZED COASTS <i>Jae-Eun LIM¹, Hyun-Kyung LEE², Hyo-Bang MOON^{1*}</i> (¹ Hanyang University, ² National Institute Fisheries Science, Korea) |
| 16:50-17:10 | ORT11-067 | SPATIOTEMPORAL ASSESSMENT OF ECOLOGICAL RISK OF PHARMACEUTICALS AND PERSONAL CARE PRODUCTS IN KOREAN SURFACE WATERS: APPLICATION OF STE METHODOLOGY <i>Jun Yub KIM, Sang Don KIM*</i> (Gwangju Institute of Science and Technology, Korea) |
| 17:10-17:30 | ORT11-046 | SPATIOTEMPORAL VARIATIONS AND SOURCE IDENTIFICATION OF HEXACHLOROBENZENE AND PENTACHLOROBENZENE IN SOUTH KOREA <i>Balasubramanian PRITHIVIRAJ¹, Ho-Young LEE¹, Nirmala Khuman SANJENBAM¹, Ho-Joong KIM², Seung-Man HWANG², Chang-Ho LEE², Sung-Deuk CHOI^{1*}</i> (¹ Ulsan National Institute of Science and Technology (UNIST), ² Korea Environment Corporation (K-ECO), Korea) |
| 18:30-20:30 | [Room: Outdoor Courtyard, Gyeongwonjae Ambassador Incheon] Banquet | |

| Date/ Time | Oral Session_Day 3 (April 10, 2024, Wednesday) | |
|----------------|--|---|
| 8:30-9:00 | [Room: 3F Lobby] | Registration |
| 9:00-9:40 | [Room: Diamond Hall (3F)] | Invited Lecture 3 (Chair:) SYSTEMATIC DEFINING THE TOXICITY OF FLAME-RETARDANT CHEMICALS USING MULTIDIMENSIONAL HIGH THROUGHPUT SCREENING <i>Robyn TANGUAY*</i> , <i>Lisa TRUONG</i> , <i>Michael T. SIMONICH</i> (Oregon State University, USA) |
| 9:40-10:00 | | Break (20 min) |
| Session | Session 7. Health Effects and Regulatory Policy | |
| Chair | TBA | |
| 10:00-10:20 | ORT6-016 | THYROID AND NEUROLOGICAL DISRUPTION OF SEVERAL ORGANOPHOSPHATE ESTERS AND THEIR DEGRADATION PRODUCTS IN EMBRYO-LARVAE ZEBRAFISH <i>Cong Minh TRAN</i> , <i>Ki-Tae KIM*</i> (Seoul National University of Science and Technology, Korea) |
| 10:20-10:40 | ORT6-064 | MECHANISM-BASED TOXICITY SCREENING OF ORGANOPHOSPHATE FLAME RETARDANTS USING TOX21 ASSAYS AND MOLECULAR DOCKING ANALYSIS <i>Donghyeon KIM</i> , <i>Kimoon NA</i> , <i>Jinhee CHOI*</i> (University of Seoul, Korea) |
| 10:40-11:00 | ORT10-009 | THE EUROPEAN REGULATORY STRATEGY FOR FLAME RETARDANTS – THE RIGHT DIRECTION BUT STILL A RISK OF GETTING LOST <i>Jacob DE BOER</i> ^{1*} , <i>Stuart HARRAD</i> ² , <i>Martin SHARKEY</i> ³ (¹ Vrije Universiteit Amsterdam, The Netherlands, ² University of Birmingham, UK, ³ University of Galway, Ireland) |
| 11:00-11:20 | ORT10-028 | THE PRIORITIZATION OF ORGANIC FLAME RETARDANT SUBSTANCES FOR ASSESSMENT UNDER THE CANADIAN ENVIRONMENTAL PROTECTION ACT, 1999 (CEPA) <i>Danny LEE*</i> , <i>Deborah BAKKER</i> , <i>Caitlin TEJOWINOTO</i> , <i>Marc FERNANDEZ</i> (Environment and Climate Change Canada, Canada) |
| 11:20-11:40 | ORT10-063 | FLAME RETARDANTS IN PLASTIC ENCLOSURES AROUND LITHIUM-ION BATTERIES: EARBUDS TO E-BIKES TO AUTOMOBILES <i>Arlene BLUM</i> ^{1,2} , <i>Lydia JAHL</i> ¹ , <i>Anna SOEHL</i> ^{1*} (¹ Green Science Policy Institute, ² University of California Berkeley, USA) |
| 11:40-13:30 | [Room: Ruby Hall (2F)] | Lunch |
| Session | Session 8. Other Related Contaminants | |
| Chair | TBA | |
| 13:30-13:50 | ORT11-030 | INTRACELLULAR CALCIUM LEVEL DYSREGULATION AND INCREASE OF PROTHROMBOTIC ACTIVITY IN HUMAN ERYTHROCYTES INDUCED BY PFOS EXPOSURE <i>Hanjin PARK</i> , <i>Ok-Nam BAE*</i> (Hanyang University ERICA, Korea) |
| 13:50-14:10 | ORT1-082 | TOTAL PFAS QUANTIFICATION IN WATER USING PERSULFATE PEROXIDATION FOLLOWED BY CHEMICAL DEFLUORINATION WITH SODIUM-BIPHENYL OR ION-PAIR FORMATION WITH METHYLENE BLUE <i>Cong-Hau NGUYEN</i> ¹ , <i>Sangki CHOI</i> ¹ , <i>Heejong SON</i> ² , <i>Yunho LEE</i> ^{1*} (¹ Gwangju Institute of Science and Technology (GIST), ² Busan Water Quality Institute, Korea) |
| 14:10-14:30 | ORT11-060 | PFAS REFERENCE MATERIALS: FROM INDUSTRIAL PRECURSORS AND TECHNICAL GRADE TO HIGH PURITY N-ISOMERS <i>Jon Eigill JOHANSEN</i> ^{1*} , <i>Huilin LIU</i> ¹ , <i>Anton PAVLOV</i> ¹ , <i>Craig MCKENZIE</i> ¹ , <i>David LIWARA</i> ² , <i>Ana Rita. LEITE ARAUJO</i> ² (¹ Chiron AS, Norway, ² Vrije Universiteit, The Netherlands) |
| 14:30-14:50 | ORT11-048 | MONITORING OF ORGANOCHLORINE PESTICIDES USING VEGETATIVE AND SOIL SAMPLES IN SOUTH KOREA: SOURCES AND IMPLICATIONS OF ATMOSPHERIC TRANSPORT <i>Sanjenbam Nirmala KHUMAN</i> ¹ , <i>Ho-Young LEE</i> ¹ , <i>Jang-Ho LEE</i> ¹ , <i>Sung-Deuk CHOI</i> ^{2*} (¹ Ulsan National Institute of Science and Technology (UNIST), ² National Institute of Environmental Research, Korea) |
| 14:50-15:10 | ORT11-062 | IDENTIFICATION OF PRIORITY PCNS FOR MONITORING OF FOOD <i>Alexander SCHÄCHTELE</i> ^{1*} , <i>Theresa ZWICKEL</i> ¹ , <i>Alwyn FERNANDES</i> ² (¹ CVUA Freiburg, Germany, ² University of East Anglia, UK) |
| 15:10-15:30 | | Break (20 min) |
| 15:30-15:45 | [Room: Diamond Hall (3F)] | Student Presentation Awards |
| 15:45-16:00 | [Room: Diamond Hall (3F)] | Introducing the next BFR |
| 16:00-16:20 | [Room: Diamond Hall (3F)] | Closing Ceremony |