

17th ISPTS

SCHEDULE AT-A-GLANCE

N1 MULTI-FUNCTION HALL
&
N2 UNIVERSITY HALL (U HALL)
UNIVERSITY OF MACAU

Monday, September 18

Time	Event	Venue
11:00 - 17:30	Registration/Check-in	UM Guest House or Marina Phantom Apartment Hotel N1-G008
18:00 - 21:00	Welcoming reception	With shuttle bus service from and to Marina Phantom Apartment Hotel Pick-up: 17:30 and 21:00

Tuesday, September 19

Time	Event	Venue
09:00 - 09:30	Opening ceremony	N1-G014
09:30 - 09:35	Photo taking	N1-G014
09:35 - 10:10	Plenary 1	N1-G014
10:10 - 10:45	Plenary 2	N1-G014
10:45 - 11:00	Coffee break	N1-G008
11:00 - 12:05	Parallel session I	N1-G014, G018
12:05 - 14:00	Agilent lunch	N1-G014
14:00 - 15:35	Parallel session II	N1-G014, G018
15:35 - 15:50	Coffee break	N1-G008
15:50 - 17:25	Parallel session III	N1-G014, G018
18:30 - 21:00	Agilent night	D'ouros, The Macau Roosevelt with shuttle bus Pick-up: 18:00, N1 bus stop

Wednesday, September 20

Time	Event	Venue
09:00 - 09:35	Plenary 3	N1-G014
09:35 - 10:25	Young Scientist Award session	N1-G014
10:25 - 12:00	Poster session + Coffee break	N1-G008
12:00 - 14:00	Lunch time	Take-away at Elysee, N1
14:00 - 15:40	Parallel session IV	N1-G014, G018
15:40 - 15:55	Coffee break	N1-G008
15:55 - 17:35	Parallel session V	N1-G014, G018
18:00 - 21:00	Gala dinner	UM Grand Plaza, N1

Thursday, September 21

Time	Event	Venue
09:00 - 09:35	Plenary 4	N2 U HALL
09:35 - 10:10	Plenary 5	N2 U HALL
10:10 - 10:25	Coffee break	N2 U HALL
10:25 - 11:30	Parallel session VI	N2 U HALL
11:30 - 12:00	Closing ceremony	N2 U HALL
12:00 - 14:00	Lunch time	Take-away at Elysee, N1

Friday, September 22

Time	Event	Venue
09:00 - 16:00	Local tour	Pick-up: 09:00, N1 bus stop 09:15, Marina Phantom Apartment Hotel Return trip to N1 / Hotel will be arranged

17th ISPTS

PLENARY SESSIONS

N1 MULTI-FUNCTION HALL G014

UNIVERSITY OF MACAU

Tuesday, September 19

Chairs: Jie Xu, Xiangdong Li

Time	Event	Venue
09:35 - 10:10 Plenary 1	Impact of Environmental Factors on Individual's Health as Expressed in Changes in Their Proteome Michael K.W. Siu University of Windsor, Canada	N1-G014

10:10 - 10:45 Plenary 2	New Nitrogen-Containing Organics Species in Atmosphere Jianmin Chen Fudan University, China	N1-G014
----------------------------	-------------------------------------------------------------------------------------------------------	---------

Wednesday, September 20

Chair: Rong Ji

Time	Event	Venue
09:00 - 09:35 Plenary 3	Detection and Quantification of Legacy and Novel PFAS in the Urban Environment Bradley Clarke University of Melbourne, Australia	N1-G014

Thursday, September 21

Chair: Minghui Zheng

Time	Event	Venue
09:00 - 09:35 Plenary 4	A 30-year Retrospective of POPs in Taiwan from Chemical Analysis to Public Communication Yong-Chien Ling National Tsing Hua University, Taiwan, China	N2 U HALL

09:35 - 10:10 Plenary 5	Omics Investigation on Adverse Effects of Dioxin Exposure Zongwei Cai Baptist University, Hong Kong, China	N2 U HALL
----------------------------	----------------------------------------------------------------------------------------------------------------------	-----------

17th ISPTS
YOUNG SCIENTIST AWARD SESSION
N1 MULTI-FUNCTION HALL G014
UNIVERSITY OF MACAU

Wednesday, September 20
Chair: Yongjie Li

Time	Event	Venue
09:35 - 10:00 YSA 1	Young Scientist Award Presentation 1	N1-G014
10:00 - 10:25 YSA 2	Young Scientist Award Presentation 2	N1-G014

17th ISPTS

PARALLEL SESSIONS

N1 MULTI-FUNCTION HALL G014 & G018

UNIVERSITY OF MACAU

Tuesday, September 19 Parallel Session I			
Time	Toxicology of PTS N1-G014 Chairs: Yong Liang, Dan Xu	Time	Occurrence, transport and fate of PTS N1-G018 Chairs: Lijun Wu, Xue Li
11:00 - 11:20 Keynote 1	Study on the distinct lipid distribution in mice induced by PFOS and PFOA exposure Yong Liang Jiangnan University	11:00 - 11:20 Keynote 1	Semi-rational engineering a biosensor with targeted ligand specificity for the detection of short-chain chlorinated aliphatic hydrocarbons in waters Lijun Wu Anhui University
11:20 - 11:35 Oral 1	Effects of endosulfan and OBS on vascular homeostasis and human health Dan Xu Dalian Maritime University	11:20 - 11:35 Oral 1	Exhaled breath analysis of non-volatile drugs: a review towards practical applications Xue Li Jinan University
11:35 - 11:50 Oral 2	Organochlorine pesticide ban facilitated reproductive recovery of Chinese striped hamsters Yuanchen Chen Zhejiang University of Technology	11:35 - 11:50 Oral 2	Enhancement of atmospheric nucleation precursors on iodic acid-induced nucleation: predictive model and mechanism Fangfang Ma Dalian University of Technology
11:50 - 12:05 Oral 3	Prediction of carcinogenic effects of persistent toxic substances using neural network model and transcriptome data Qingyuan Li Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	11:50 - 12:05 Oral 3	p-Phenylenediamine quinones: analysis, occurrence, and health implications Guodong Cao Hong Kong Baptist University

Tuesday, September 19
Parallel Session II

Time	Toxicology of PTS N1-G014 Chairs: Da Chen, Zhifeng Chen	Time	Occurrence, transport and fate of PTS N1-G018 Chairs: Yan He, Qiang Zhao
14:00 - 14:20 Keynote 1	Indoor emerging contaminants: exposure status and risks Da Chen Jinan University	14:00 - 14:20 Keynote 1	The synergistic associations between methanogenesis and reductive dechlorination, and the simultaneous regulation Yan He Zhejiang University
14:20 - 14:35 Oral 1	Azole-induced color vision deficiency associated with thyroid hormone signaling Zhifeng Chen Guangdong University of Technology	14:20 - 14:35 Oral 1	Sensitive immunoassay for small molecule detection in homogeneous solution based on CRISPR-Cas12a Qiang Zhao Research Center for Eco-Environmental Sciences, Chinese Academy of Science
14:35 - 14:50 Oral 2	Assessment of fetal exposure and metabolism of Poly- and perfluoroalkyl substances (PFASs): new evidence from pair serum, placenta, and meconium Juan Li Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	14:35 - 14:50 Oral 2	Development of a rapid detection method for virus nucleic acid based on CRISPR nucleic acid nanotechnology Hanyong Peng Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences
14:50 - 15:05 Oral 3	BDE-47 causes depression-like effects in zebrafish larvae via a non-image-forming visual mechanism Miao Cao Tongji University	14:50 - 15:05 Oral 3	A room-temperature synthesis of nitrogen-rich conjugated microporous polymers for solid-phase extraction of trace synthetic musks Ru-Song Zhao Qilu University of Technology
15:05 - 15:20 Oral 4	Effects of microbial diversity loss on degradation of γ -HCH and methanogenesis in anaerobic soil environment Xueling Yang Zhejiang University	15:05 - 15:20 Oral 4	Performance enhancement of laser desorption/ionization mass spectrometry by using nanostructures and matrix sublimator Xiangfeng Chen Qilu University of Technology
		15:20 - 15:35 Oral 5	Machine learning-assisted insights into sources and fate of microplastics in wastewater treatment plants Pengfei Wu Hong Kong Baptist University/ Nanjing Forestry University

Tuesday, September 19
Parallel Session III

Time	Toxicology of PTS N1-G014 Chairs: Faiola Francesco, Zhu Yang	Time	Occurrence, transport and fate of PTS N1-G018 Chairs: Cheng Gu, Lixia Zhao
15:50 - 16:10 Keynote 1	<p>Transcriptomic integration analyses uncover common bisphenol A effects across species and tissues primarily mediated by disruption of JUN/FOS, EGFR, ER, PPARG, and P53 pathways</p> <p>Faiola Francesco</p> <p>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</p>	15:50 - 16:10 Keynote 1	<p>Catalytic hydrolysis activity of minerals under water-unsaturated conditions</p> <p>Cheng Gu</p> <p>Nanjing University</p>
16:10 - 16:25 Oral 1	<p>Multi-omics study of cross-organ responses to air pollution modulating energy balance</p> <p>Zhu Yang</p> <p>Hong Kong Baptist University</p>	16:10 - 16:25 Oral 1	<p>Dynamic study of reactive oxygen species and its environmental application</p> <p>Lixia Zhao</p> <p>Research center for eco-environmental Sciences, Chinese Academy of Sciences</p>
16:25 - 16:40 Oral 2	<p>Airborne PM2.5 aggravated high-fat diet-induced hepatic diseases through Sirt3 mediated signaling pathway</p> <p>Yuanyuan Song</p> <p>Hong Kong Baptist University</p>	16:25 - 16:40 Oral 2	<p>Biodegradation of nondesorbable organic pollutants on biochar</p> <p>Wenhao Wu</p> <p>Zhejiang University</p>
16:40 - 16:55 Oral 3	<p>Nontarget accurate screening and risk assessment of hazard factors in aquatic products</p> <p>Xianbo Lu</p> <p>Dalian Institute of Chemical Physics, Chinese Academy of Sciences</p>	16:40 - 16:55 Oral 3	<p>Concentrations, profiles and health risks of organic ultraviolet filters in human milk and food in China: a national study</p> <p>Yang Liu</p> <p>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</p>
16:55 – 17:10 Oral 4	<p>Less is More: A New Perspective for Toxicity of Emerging Contaminants by Protein Adducts</p> <p>Jianlin Wu</p> <p>Macau University of Science and Technology</p>	16:55 - 17:10 Oral 4	<p>Formation of environmentally persistent free radicals from thermochemical and photochemical reactions of catechol on atmospheric particulate matter</p> <p>Guorui Liu</p> <p>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</p>
17:10 - 17:40 Discussion	Topic: TBD	17:10 - 17:25 Oral 5	<p>Spatial distribution of environmentally persistent free radicals in atmospheric particulate matter during sandstorms</p> <p>Linjun Qin</p> <p>Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</p>
		17:25 - 17:40 Oral 6	<p>Characteristics, sources and risk assessment of polycyclic aromatic hydrocarbons in soils, water and vegetables in an e-waste dismantling site and its surrounding farmland</p> <p>Xilin Wang</p> <p>Zhejiang University</p>

Wednesday, September 20
Parallel Session IV

Time	Toxicology of PTS N1-G014 Chairs: Lianghong Guo, Runzeng Liu	Time	Mercury and heavy metals N1-G018 Chairs: Xinbin Feng, Tong Zhang
14:00 - 14:20 Keynote 1	Synthetic antioxidants as new pollutants: from environmental occurrence to human exposure Runzeng Liu Shandong University	14:00 - 14:20 Keynote 1	Long-term trend in atmospheric gaseous elemental mercury concentrations in China Xinbin Feng Institute of Geochemistry, Chinese Academy of Sciences
14:20 - 14:35 Oral 1	Toxicokinetics and metabolomic disruptions of a new brominated flame retardant TBPH in zebrafish Jian Han Institute of Hydrobiology, Chinese Academy of Sciences	14:20 - 14:40 Keynote 2	Microbial production of methylmercury dictated by nano-scale structure of mercury sulfides Tong Zhang Nankai University
14:35 - 14:50 Oral 2	Evaluation and mechanistic study of multi- and transgenerational toxicity in zebrafish upon exposure to decabromodiphenyl ethane Lihua Yang Institute of Hydrobiology, Chinese Academy of Sciences	14:40 - 14:55 Oral 1	Assessing China's gridded anthropogenic mercury emissions (1978-2020): identifying hotspots of cumulative emission and cross-media impact Qingru Wu Tsinghua University
14:50 - 15:05 Oral 3	Lipidomic study on the developmental toxicity of PFAS to zebrafish embryos Zhiyi Yang Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences	14:55 - 15:10 Oral 2	Tackling the multiplicity of solutions for the global mercury budget by a coupled atmosphere-land-ocean model Yanxu Zhang Nanjing University
15:05 - 15:20 Oral 4	Ambient particulate matter (PM) exposure triggered liver metabolic reprogramming via cysteine oxidation on Malate Dehydrogenase 2 (MDH2) and Carnitine Palmitoyltransferase II (CPT2) Lin Zhu Hong Kong Baptist University	15:10 - 15:25 Oral 3	Microbial-induced biomineralization efficiently immobilizes heavy metals in the environment via hydroxycarbonated apatite Wenli Chen Huazhong Agricultural University
15:20 - 15:35 Oral 5	The impact of PM2.5 exposure on the cardiovascular system and intervention strategies Zenghua Qi Guangdong University of Technology	15:25 - 15:40 Oral 4	Migration and transformation characteristics of chromium in soil-paddy system near Guizhou mining area Huimin Cao Guangzhou University

Wednesday, September 20
Parallel Session V

Time	Toxicology of PTS N1-G014 Chairs: Philippe Corvini, Chengdong Zhang	Time	Mercury and heavy metals N1-G018 Chairs: Jiubin Chen, Yongguang Yin
15:55 - 16:15 Keynote 1	Bacteria feeding on antibiotics – eating the poisonous Philippe Corvini University of Applied Sciences and Arts	15:55 - 16:15 Keynote 1	The potential application of mercury isotopic composition in the ocean Jiubin Chen Tianjin University
16:15 - 16:35 Keynote 2	Beyond silver nanoparticle resistance: exploring general stress responses Chengdong Zhang Beijing Normal University	16:15 - 16:30 Oral 1	Mechanism of methylmercury photodegradation in the Yellow Sea and East China Sea: dominant pathways, and role of sunlight spectrum and dissolved organic matter Yanbin Li Ocean University of China
16:35 - 16:50 Oral 1	Toxicity evaluation of 1-nitropyrene by using human adult stem cell-derived airway organoids and multimodal imaging analysis Yingyan Zhou Hong Kong Baptist University	16:30 - 16:45 Oral 2	Decreasing mercury levels in consumer fish over the three decades of increasing mercury emissions in China Zhang Hua Institute of Geochemistry, Chinese Academy of Sciences
16:50 - 17:05 Oral 2	A new mechanism of reproductive endocrine disruption based on isothiazolinones Lianguo Chen Institute of Hydrobiology, Chinese Academy of Sciences	16:45 - 17:30 Discussion	Topic: TBD
17:05 - 17:20 Oral 3	Multi-dimensional visualization of ingestion, biological effects and interactions of micro(nano)plastics and a representative POP in edible jellyfish Wei Wang Zhejiang University		
17:20 - 17:35 Oral 4	Tolerance mechanisms of <i>Chlamydomonas</i> spp. to mercury stress Yonghong Bi Institute of Hydrobiology, Chinese Academy of Sciences		

Thursday, September 21
Parallel Session VI

Time	Mercury and heavy metals N2 U HALL Chairs: Jianbo Shi, Huan Zhong
10:25 - 10:45 Keynote 1	Identification of mercury-containing nanoparticles in the liver and muscle of cetaceans Jianbo Shi Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences
10:45 - 11:00 Oral 1	Health risk and pathways of human methylmercury exposure in China Ping Li Institute of Geochemistry, Chinese Academy of Sciences
11:00 - 11:15 Oral 2	Bioaccumulation and biotransformation of selenium nanoparticles by methanogenic archaeon <i>Methanosarcina acetivorans</i> Xian-Zheng Yuan Shandong University
11:15 - 11:30 Oral 3	Causes of low mercury levels in fish from the Three Gorges Reservoir, China Jiajia Li Southwest University

POSTER SESSION

N1 MULTI-FUNCTION HALL G008

UNIVERSITY OF MACAU

Tuesday, September 19 – Wednesday, September 20

Number	Author	Affiliation	Title
P-01	Yanfang Zhao	Qilu University of Technology (Shandong Academy of Sciences)	Au@BN-enhanced laser desorption/ionization mass spectrometry and imaging for determination of fipronil and its metabolites
P-02	Ru Yi	Hong Kong Baptist University	Derivatization of n-acyl glycines by 3-nitrophenylhydrazine for targeted metabolomics analysis and their application to the study of diabetes progression in mice
P-03	Minghua Lu	Henan University	Constructing bifunctional magnetic porous poly(divinylbenzene) polymer for high-efficient removal and sensitive detection of bisphenols
P-04	Jinhua Zhu	Henan University	Multi-functional laccase immobilized by MOF-based hydrogel for efficient removal of 2, 4-dichlorophenol
P-05	Mei Liu	Chinese Academy of Sciences	Associations between human exposure to typical new pollutants and thyroid cancer
P-06	Chuxuan Zhao	University of Chinese Academy of Sciences	Parent and halogenated polycyclic aromatic hydrocarbons in serum of coal-fired power plant workers: Levels, sex differences, accumulation trends, and risks
P-07	Jiayi Song	Shenzhen Center for Disease Control and Prevention	Identification of serum metabolites associated with polybrominated diphenyl ethers (PBDEs) exposure in papillary thyroid carcinoma based on a case-control study
P-08	Wenfei Yu	Zhejiang University of Technology	First evidence of neonicotinoid insecticides in human bile and associated hepatotoxicity risk
P-09	Lilai Shen	Zhejiang University	Embryonic exposure to UV-328 impairs the cell cycle in zebrafish (<i>Danio rerio</i>) by inhibiting the p38 MAPK/p53/Gadd45a signaling pathway
P-10	Yuan Ke	Sun Yat-Sen University	Perfluorooctanoic acid-induced metabolic reprogramming impairs intestine health in human intestinal cells
P-11	Congcong Zhang	Beihang University	Influence mechanism of sulfur-containing compounds on the formation of POPs during the secondary copper smelting
P-12	Yimeng Zhang	Tongji University	Occurrence, distribution and special variation of volatile methylsiloxanes in the Yangtze River Basin, China
P-13	Qingqing Zhu	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Occurrence of and human exposure to benzothiazoles and benzotriazoles in indoor dust in Suizhou and Beijing, China
P-14	Hongli Tan	Hong Kong Baptist University	Emerging Plasticizers in House Dust from Multiple Countries: An Increasing Threat to Humans
P-15	Xiaoxiao Li	Nankai University	Nontarget identification of novel organophosphorus flame retardants and plasticizers in rainfall runoffs and agricultural soils around a plastic recycling industrial park
P-16	Qiangong Zhang	Institute of Tibetan Plateau Research, Chinese Academy of Sciences	Melting Himalayas and mercury export: results from Everest Proglacial Rongbuk River and Trans-Himalayan Koshi River
P-17	Xiaole Wang	Shandong Agricultural University	Toxic effects of PFOA and its alternatives HFPO-DA and HFPO-TA on zebrafish

P-18	Jingwen Zhang	Shandong Agricultural University	Effect of flumetsulam alone and coexistence with microplastics on soil microbial carbon and nitrogen cycles: Elucidation of bacterial community structure, functional gene expression, and enzyme activity
P-20	Li Mu	Institute of Agro-Environmental Protection, Ministry of Agriculture and Rural Affairs	Highly active complexes of pyrite and organic matter regulate arsenic fate
P-21	Ping ping Xu	Institute of Hydrobiology, Chinese Academy of Sciences	Detoxification of cadmium by algal organic matter of <i>Microcystis aeruginosa</i>
P-22	He Bin	State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Revelation of mercury-binding proteins in iron-reducing bacteria by <i>in vitro</i> thermal shift assays
P-24	Huan Zhong	Nanjing University	Understanding the Hg transformations within organisms
P-25	Ligang HU	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Transformation of ionic mercury species to nanoparticles in Diatom <i>Chaetoceros curvisetus</i>
P-26	Xiaozeng Miao	Zhejiang University	Topological defects enhanced nonradical oxidation capacity of biochar/peroxodisulfate system
P-27	Jiaqi Tao	Zhejiang University	Microbial degradation of phenanthrene adsorbed on biochars produced at different pyrolysis temperatures
P-29	Deming Xia	Dalian University of Technology	Counterintuitive oxidation of alcohols at air-water interfaces
P-30	Yuchen Gao	Zhejiang University	Angiogenic activity and mechanism for bisphenols on endothelial cell and mouse: evidence of a structural-selective effect
P-31	Haobo Wang	Dalian University of Technology	Environmental computational toxicology for risk assessment and designing green alternatives of persistent toxic substances
P-32	Wenjia Liu	Dalian University of Technology	Screening persistent toxic substances with multimodal deep learning models
P-33	Qiming Zhao	Zhejiang University	Machine learning-based model with high accuracy and broad applicability domains for screening PMT/vPvM substances
P-34	Ting Chen	Zhejiang University	Soil microbial effects on the mineralization, extractable residue, bound residue, and metabolism of a novel vanillin-derived pesticide, vanisulfane
P-35	Qian Bao	Zhejiang University	Uptake, translocation and accumulation of decabromodiphenyl ethane in water spinach (<i>Ipomoea aquatica Forsk.</i>) and cherry radish (<i>Raphanus sativus L.</i>)
P-36	Yiwen Xu	Zhejiang University	Additives release from agricultural plastic films in water: experiment and modeling
P-38	Yandao Chen	Zhejiang University	Reduced graphene oxide enhances the transformation of 14C-triclosan to non-extractable residues but inhibits its mineralization in paddy soil
P-39	Yaoying Zheng	Zhejiang University	Tissue distribution, debromination and human dietary risk evaluation of Decabromodiphenyl ether in continuous oral exposed laying hens
P-40	Weiwei Zhang	Zhejiang University	Metabolic analysis of antiviral agent dufulin in aerobic soils assisted by diverse positional 14C labeling with high specific activity
P-41	Yunhan Cui	Dalian University of Technology	Systematic Measures for reducing environmental impacts of chemicals in consumer products
P-42	Hong-Bin Xie	Dalian University of Technology	Atmospheric secondary pollution chemistry of volatile chemical products

P-43	Nan Zhao	Zhejiang University of Technology	The toxic mechanism of 6:2 Cl-PFESA in adolescent male rats: Endocrine disorders and liver inflammation regulated by the gut microbiota-gut-testis/liver axis
P-44	Guangbo Qu	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	Identification of aryl hydrocarbon receptor agonists from real environmental samples
P-45	Zhuo Li	Tongji university	Influence of dietary status on the obesogenic effects of erythromycin antibiotic on <i>Caenorhabditis elegans</i>
P-46	Fei Li	Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences	Screening and mechanism profiling of organophosphate esters via adverse outcome pathway
P-47	Guangshan Xie	Hong Kong Baptist University	Redox proteomics reveals a novel mechanism of 1-nitropyrene-induced cytotoxicity
P-48	Siyi Lin	State Key Laboratory of Environmental and Biological Analysis, Hong Kong Baptist University	High throughput mass spectrometry-based metabolomics reveal nanoplastics-induced mitochondrial dysfunction in normal human-derived cells
P-49	Shunchang Wang	Huainan Normal University	Cadmium exposure accelerated the aging process in the nematode <i>Caenorhabditis elegans</i>
P-50	Dan Yang	Zhejiang University of Technology	Environmental occurrence and ecological risks of psychoactive substances
P-51	Yuping Xiang	Southwest University	Direct uptake and intracellular dissolution of HgS nanoparticles: Evidence from a bacterial biosensor approach
P-52	Shou-Lin Wang	Nanjing Medical University	5-hydroxymethyl-2-furfural (5-HMF) might be a potential key toxic component of cigarette smoke that induces male reproductive damage
P-53	Thomas Ka-Yam Lam	Hong Kong Baptist University	A simple signal enhancement strategy for Rapid Precoated Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging