

Scientific Program

DAY 1: July 8, 2018; Sunday

TIME	PROGRAM
14:00 – 18:00	Registration (4th floor)
15:00 – 16:50	Germany-Korea Joint Session: Steroid Analytics in Clinical Practices (Oak Room; 4th floor) (Co-chairs: Jürgen Kratzsch, <i>Liepzig University, Germany</i> & Soon-Jib Yoo, <i>The Catholic University of Korea, Korea</i>)
15:00 – 15:30	Stefan Wudy, <i>Justus Liebig University, Germany</i> GC-MS and LC-MS in the delineation of steroid related disorders
15:30 – 15:50	Jung Hee Kim, <i>Seoul National University, Korea</i> Steroid profiling as a diagnostic tool in Cushing's syndrome
15:50 – 16:10	Uta Ceglarek, <i>Liepzig University, Germany</i> Steroid analysis in the clinical lab - lessons from 2 years of practice
16:10 – 16:30	Do-Yup Lee, <i>Kookmin University, Korea</i> Steroid profiles disturbed by statin medication
16:30 – 16:50	Yoon Ju Bae, <i>Leipzig University, Germany</i> Life-span reference intervals of 9 steroidhormones in serum analyzed by LC-MS/MS: Effect of age, gender, puberty, menstrual cycles and oral contraceptives
17:00 – 17:40	Young Investigator Session (Oak Room; 4th floor) (Chair: Bon-chu Chung, <i>Academia Sinica, Taiwan</i>)
17:00 – 17:10	Xiaoqiang Wang, <i>Peking University, China</i> <i>In situ</i> androgen biosynthesis in AR+ triple negative breast cancer via frontdoor or backdoor pathway? Evidence from data-mining and histopathology
17:10 – 17:20	Yuta Tezuka, <i>Tohoku University Hospital, Japan</i> Adrenal venous steroid profile in estrogen-producing adrenal adenoma complicated with primary aldosteronism
17:20 – 17:30	Ji-Hoon Kim, <i>Seoul National University, Korea</i> The HPG axis maintains stemness and prevents cellular senescence by enhancing autophagy in muscle stem cells
17:30 – 17:40	Janina Tokarz, <i>German Research Center for Environmental Health, Germany</i> Substrate promiscuity among 20 β -HSD type 2 members
18:00 – 19:30	Welcome Reception (Maple Hall; 4th floor)

DAY 2: July 9, 2018; Monday

TIME	PROGRAM
08:30 – 08:40	Welcome and Introduction of CSR2018 Jerzy Adamski, <i>German Research Center for Environmental Health, Germany</i>
08:40 – 09:30	Keynote Session (Chair: Jerzy Adamski) (Grand Ballroom A) William Rainey, <i>Michigan University, USA</i> <i>Adrenal androgens: Is it time to revise the dogma?</i>
09:30 – 11:00	EDCs (Chair: Shiu-an Chen, <i>BRICH, USA</i>) (Grand Ballroom A)
09:30 – 09:55	Kyung-Chul Choi, <i>Chungbuk National University, Korea</i> <i>Detrimental effects of endocrine disrupting chemicals on the progression and migration of estrogen receptor expressing cancers</i>
09:55 – 10:20	Shiu-an Chen, <i>Beckman Research Institute of City of Hope, USA</i> <i>Functional characterization of endocrine disrupting chemicals (EDCs) in mammary gland</i>
10:20 – 10:40	Myoungseok Han, <i>Dong-A University, Korea</i> <i>Endocrine disruptors inhibits ovarian follicle functions similar to polycystic ovary syndrome</i>
10:40 – 11:00	Melanie Patt, <i>University of Basel, Switzerland</i> <i>Identification of epoxiconazole as CYP11B1/2 inhibitor by virtual screening and biological assessment in adrenal H295R cells</i>
11:00 – 12:00	Poster Session and Refreshment Break (Grand Ballroom B)
12:00 – 13:00	Lunch
13:00 – 14:30	Vitamin D (Chair: Dan Bikle, <i>UCSF, USA</i>) (Grand Ballroom A)
13:00 – 13:25	Yoshio Katayama, <i>Kobe University, Japan</i> <i>Vitamin D receptor: a bridging molecule for inter-organ communication between skeletal and hematopoietic systems</i>
13:25 – 13:50	Paul Andreson, <i>University of South Australia, Australia</i> <i>Vitamin D metabolism and activity in bone</i>
13:50 – 14:10	Mikael Levi, <i>Shimadzu Corporation, Japan</i> <i>High-throughput simultaneous measurement of vitamins A, D and E in human plasma by LDTD-MS/MS</i>
14:10 – 14:30	Xin Gao, <i>Tohoku University Hospital, Japan</i> <i>Expression of calcium-related receptors in human normal and pathological adrenal glands; Association between systemic calcium metabolism and aldosterone biosynthesis</i>
14:30 – 15:00	Coffee Break
15:00 – 16:30	Steroid Analytics (Chair: Man-Ho Choi, <i>KIST, Korea</i>) (Grand Ballroom A)
15:00 – 15:25	Brian Keevil, <i>University Hospital of South Manchester, UK</i> <i>LC-MS/MS analysis of steroids in the clinical laboratory</i>

15:25 – 15:50	Martin Hill, <i>Institute of Endocrinology, Czech Republic</i> GC-MS- and GC-MS/MS-based steroidomics in human physiology and pathophysiology
15:50 – 16:10	Stefan Wudy, <i>Justus Liebig University, Germany</i> Mass spectrometry: the magic bullet in clinical steroid analysis? Heterogeneity of mass spectrometry based reference values for 17-hydroxyprogesterone (17OHP) signals urgent need for harmonization
16:10 – 16:30	Minah Seo, <i>Korea Institute of Science and Technology, Korea</i> Molecule-specific sensing platform using Terahertz metamaterials
16:30 – 17:30	Thermo Fisher Sponsored Session Deb Bhattacharyya, <i>Thermo Fisher Scientific, USA</i> Tools for confident quantitation: Address today's and tomorrow's challenges
18:00 – 20:00	Congress Gala Dinner (Grand Ballroom B)

DAY 3: July 10, 2018; Tuesday

TIME	PROGRAM
08:30 – 10:00	Integrative Hypotheses (Chair: Alex Odermatt, <i>University of Basel, Switzerland</i>) (Grand Ballroom A)
08:30 – 08:55	Roland Schüle, <i>University of Freiburg, Germany</i> Assembly of methylated LSD1 and CHD1 drives AR-dependent transcription and translocation
08:55 – 09:20	Bon-chu Chung, <i>Academia Sinica, Taiwan</i> Action of neurosteroid pregnenolone in the brain
09:20 – 09:45	Kristy Brown, <i>Cornell University, USA</i> Lessons learned from aromatase regulation in obesity and breast cancer: Broader implications for the treatment of breast cancer
09:45 – 10:00	Dong Joo Yang, <i>Yonsei University, Korea</i> Insulin regulates adrenal steroidogenesis by stabilizing SF-1 activity
10:00 – 11:00	Poster Session and Refreshment Break (Grand Ballroom B)
11:00 – 12:30	Inhibitors of Steroid Metabolism and Signaling (Chair: Gabriele Möller, <i>German Research Center for Environmental Health, Germany</i>) (Grand Ballroom A)
11:00 – 11:25	Sandrine Marchais-Oberwinkler, <i>Marburg University, Germany</i> Identification and optimization of 17 β -HSD14 inhibitors
11:25 – 11:50	Amanda Swart, <i>Stellenbosch University, South Africa</i> 11 β -Hydroxysteroid dehydrogenase type 1 and type 2 wear more than one hat
11:50 – 12:10	Sheng-Xiang Lin, <i>Laval University, Canada</i> Synergistic effect of sex-hormones and their converting enzymes in breast cancer

12:10 – 12:30	Stefan Poschner, <i>University of Vienna, Austria</i> Resveratrol inhibits key steps of steroid metabolism in a human estrogen-receptor positive breast cancer model: Impact on cellular proliferation
12:30 – 13:30	Lunch
13:30 – 15:00	Cancer (Chair: Hironobu Sasano, <i>Tohoku University, Japan</i>) (Grand Ballroom A)
13:30 – 13:55	Diana Márquez-Garbán, <i>UCLA, USA</i> New selective estrogen receptor antagonists to treat breast cancer
13:55 – 14:20	Satoshi Inoue, <i>Metropolitan Institute of Gerontology, Japan</i> Exploration of novel therapeutic targets for prostate cancer
14:20 – 14:40	Chen-Yan Zhang, <i>Northwestern Polytechnical University, China</i> Genomic data on breast cancer transcript profile modulation by 17 β -HSD type 2
14:40 – 15:00	Panthita Kaewjanthong, <i>Chulalongkorn University, Thailand</i> Progesterone receptor polyproline cell-penetrating peptides inhibit EGF receptor signaling in non-small cell lung cancer cells
15:00 – 16:30	Receptor Action (Chair: John Cidlowski, <i>NIH, USA</i>) (Grand Ballroom A)
15:00 – 15:25	Jan-Åke Gustafsson, <i>University of Houston, USA</i> Update on estrogen receptor beta action
15:25 – 15:50	Eric Prossnitz, <i>UNM, USA</i> GPER as a regulator of metabolism
15:50 – 16:10	Suntae Ahn, <i>Korea University, Korea</i> Androgen receptor CAG repeat length as a risk factor of late-onset hypogonadism in a Korean male population
16:10 – 16:30	Keely McNamara, <i>Tohoku University Hospital, Japan</i> Using a multi-paneled approach, including GC-MS/MS analysis to uncover the roles of pre-receptor steroid metabolism and interactions between steroid pathways in breast cancers
16:30 – 16:50	Coffee Break
16:50 – 18:30	Steroid Metabolism (Chair: Stefan Wudy, <i>Justus Liebig University, Germany</i>) (Grand Ballroom A)
16:50 – 17:15	Hironobu Sasano, <i>Tohoku University, Japan</i> Estrogen sulfotransferase in human cancer: neoplasms in breast, endometrium, colon and thymus
17:15 – 17:40	Paul Foster, <i>University of Birmingham, United Kingdom</i> Estrogen sulfation and desulfation pathways in colorectal cancer
17:40 – 18:05	David Moore, <i>Baylor College of Medicine, USA</i> Targeting the glucocorticoid receptor for intrahepatic cholestasis
18:05 – 18:30	Hirotoishi Tanaka, <i>University of Tokyo, Japan</i> Skeletal muscle glucocorticoid receptor and systemic energy metabolism

DAY 4: July 11, 2018; Wednesday

TIME	PROGRAM
08:30 – 10:00	Steroid Signaling (Chair: Viroj Boonyaratanakornkit, <i>Chulalongkorn University, Thailand</i>) (Grand Ballroom A)
08:30 – 08:55	John Cidlowski, <i>NIH, USA</i> Mouse cardiomyocyte glucocorticoid and mineralocorticoid receptors antagonistically regulate heart disease
08:55 – 09:20	Dan Bikle, <i>UCSF, USA</i> Vitamin D regulation of epidermal wound repair
09:20 – 09:45	Ki Woo Kim, <i>Yonsei University, Korea</i> Insulin regulates adrenal steroidogenesis by stabilizing SF-1 activity
09:45 – 10:00	Prangwan Pateetin, <i>Chulalongkorn University, Thailand</i> Quantitative proteomic analysis of breast cancer cells expressing progesterone receptor A and B
10:00 – 10:20	Coffee Break
10:20 – 11:10	Keynote Session (Chair: Bong Chul Chung, <i>KIST, Korea</i>) (Grand Ballroom A) Trevor Penning, <i>University of Pennsylvania, USA</i> Human aldo-keto reductases and steroid transformation
11:10 – 11:30	Awards and Closing Remarks
11:30 – 13:00	Lunch
13:00 – 18:00	Social Activities (Palace Excursions)