

**MONDAY, JUNE 25<sup>TH</sup> 1900 – 2100:** SOHT 2012 Welcome Reception at the Delta Chelsea Hotel (Scott Room, 3<sup>rd</sup> Floor) *Hors d'oeuvres & wine to be served*

**17<sup>TH</sup> MEETING OF THE SOCIETY OF HAIR TESTING**  
**TORONTO, CANADA; JUNE 25-28, 2012**  
**Daniels Hollywood Theatre - Hospital for Sick Children - 555 University Avenue**  
**CONFERENCE PROGRAM; TUESDAY, JUNE 26<sup>TH</sup>**

<b>0900-0920</b>	<b><u>WELCOME ADDRESS</u></b>	Dr. Gideon Koren Dr. Pascal Kintz	<i>Director, Motherisk Program, Hospital for Sick Children President, Society of Hair Testing</i>
<b>0920-1115</b>	<b><u>SYMPOSIUM: The Use of Hair Analysis to Detect Drug-Related Risk in Children</u></b>		<b><i>Chair: Gideon Koren, Canada</i></b>
0920-0945	Neonatal hair analysis; the clinician's perspective		<i>Gideon Koren, Canada</i>
0945-1010	Hair analysis of newborns and children to determine medical and social risk: the experience of Barcelona Hospital del Mar		<i>Simona Pichini, Italy</i>
<b>1010-1025</b>	<b><u>COFFEE/NUTRITION BREAK, Rotunda – Black Wing</u></b>		
1025-1050	Methadone and illegal drugs in children hair – a mirror of endangering drug use in children's environment		<i>Fritz Pragst, Germany</i>
1050-1115	The crossroads of medicine and child endangerment: Experiences in child hair analysis		<i>Joey Gareri, Canada</i>
<b>1115-1200</b>	<b><u>ORAL PRESENTATIONS: Hair Testing in Paediatric Populations</u></b>		<b><i>Chair: Christine Moore, USA</i></b>
1115-1130	Detection of midazolam in children's hair after administration of a single dose		<i>Markus Baumgartner, Switzerland</i>
1130-1145	Maternal hair analysis for the detection of illicit drugs, medicines and alcohol exposure during pregnancy		<i>Elena Lendoiro, Spain</i>
1145-1200	Alternative matrices for cocaine, opioids and methadone in utero drug-exposure detection		<i>Marta Concheiro-Guisan, USA</i>
<b>1200-1330</b>	<b><u>LUNCHEON / POSTER VIEWING**</u></b> <i>Garden Terrace – Hospital Atrium</i>		
<b>1330-1600</b>	<b><u>ORAL PRESENTATIONS: Alcohol Biomarkers</u></b>		<b><i>Chair: Michel Yegles, Luxembourg</i></b>
1330-1345	EtG concentrations in beard hair after a single high alcohol dose: evidence for incorporation in hair root		<i>Johannes Schröder, Germany</i>
1345-1400	A novel ELISA method for detection of the alcohol biomarker ethyl glucuronide in hair		<i>Warren C. Rodrigues, USA</i>
1400-1415	Ethyl glucuronide in scalp and non-head Hair: An intra-individual comparison		<i>Markus Baumgartner, Switzerland</i>
1415-1430	Cocaethylene as a biomarker in human hair of concomitant alcohol and cocaine use in a high-risk population		<i>Aniket Natekar, Canada</i>
1430-1445	Evaluation of EtG and FAEE data in hair under the aspects of gender, hair cosmetics and abstinence assessment		<i>Silke Süße, Germany</i>
1445-1500	Application of Bayes Theorem and likelihood ratios to the reporting of results in EtG/FAEE hair testing		<i>Lydia Bossers, United Kingdom</i>
1500-1515	A novel method for the combined detection of the alcohol markers EtG and FAEE		<i>Lydia Bossers, United Kingdom</i>

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**1515-1530 COFFEE/NUTRITION BREAK, Rotunda - Black Wing**

1530-1545 Examination of gender bias in FAEE v. EtG hair analysis

*Joey Gareri, Canada*

1545-1600 Testing EtG in maternal hair and nails for the assessment of fetal exposure to alcohol

*Simona Pichini, Italy*

**1600-1700 ORAL PRESENTATIONS: Advancements in Analysis of Drugs of Abuse**

*Chair: Robert Kronstrand, Sweden*

1600-1615 Identification of new psychoactive substances and their detection in human hair

*Michael Uhl, Germany*

1615-1630 Micropulverized extraction – a fast and simple sample preparation for general unknown screening in hair by LC-QTOF-MS

*Sebastian Broecker, Germany*

1630-1645 Simultaneous LC-MS/MS method for selected anorectics, methamphetamine, MDMA and their metabolites in hair

*Sang-Hwan In, Korea*

1645-1700 Significant acceleration of sample preparation for several psychoactive drugs in human hair by micropulverized extraction

*Hajime Miyaguchi, Japan*

1700-1715 Hair Analysis for the emerging new drugs: tramadol and mephedrone

*James Nutt, United Kingdom*

**\*\*POSTER VIEWINGS:** All posters will be available for viewings during the time allotted for luncheons every day of the conference. Luncheon breaks have been organized to allow sufficient time for the viewing of posters. The poster authors have been advised stand by their posters to be available for discussion of their work at the following times:

**Tuesday, June 26<sup>th</sup> between 1300-1330**

- |                                  |   |
|----------------------------------|---|
| Robert Kronstrand, <i>Sweden</i> | Screening of drugs in hair using liquid chromatography time-of-flight technology                            |
| Yann Barguil, <i>France</i>      | Pharmacopsychosis or schizophrenia among consumers of cannabis? Aid in diagnosis with hair sampling         |
| Marjorie Chèze, <i>France</i>    | Findings of cocaine and metabolites in hair of young children after passive cocaine exposure. A case report |
| Natalie Kummer, <i>Belgium</i>   | Comparison of solid phase extraction procedures for the segmental analysis of EtG in hair by UPLC-MS/MS     |
| Nadia Fucci, <i>Italy</i>        | DRUGS OF ABUSE IN HAIR: APPLICATION IN PEDIATRIC PATIENTS   |
| Adrian Taylor, <i>Canada</i>     | Quantification of EtG in Hair by LC/MS/MS as a Marker for Chronic Excessive Alcohol Consumption             |

**Wednesday, June 27<sup>th</sup> between 1300-1330**

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|--------------------------------------|--|
| Clementine Klemm, <i>Switzerland</i> | The distribution of drugs of abuse found in hair in the Eastern part of Switzerland                                    |
| Pieter De Kesel, <i>Belgium</i>      | Caffeine and paraxanthine in human hair to assess CYP1A2 activity: development and validation of an LC-MS/MS Procedure |
| Wed Albar, <i>Canada</i>             | HUMAN HAIR CORTISOL ANALYSIS USING AN ELISA: A COMPARISON OF THE DIFFERENT REPORTED METHODS                            |
| Adrian Taylor, <i>Canada</i>         | Evidence of cathinones use through hair analysis using LC-MS/MS  |
| Laura Labay, <i>USA</i>              | AN ASSESSMENT OF HAIR DRUG FINDINGS IN THE PEDIATRIC POPULATION OVER A FOUR-YEAR PERIOD                                |
| Phaedra Henley, <i>Canada</i>        | Increased Hair Cortisol Content in a Canadian First Nation   |

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**CONFERENCE PROGRAM; WEDNESDAY, JUNE 27<sup>TH</sup>**

**0800-1000**    **Closed Meeting: Cortisol Investigator's Roundtable** *Black Wing – Room 8244*

**1000-1215**    **ORAL PRESENTATIONS: Considerations in Interpretation of Hair Analysis Results**

***Chair: Carmen Jurado, Spain***

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|-----------|--|------------------------------------|
| 1000-1015 | Intraindividual Variation of Levels of Endogenous GHB in Hair  | <i>Walter Martz, Canada</i>        |
| 1015-1030 | Influence of chemical straightening on the stability of drugs of abuse in hair                             | <i>Jeanita S. Pritchett, USA</i>   |
| 1030-1045 | A dose-controlled study with cocaine users: quantification of cocaine and metabolites in hair and toenails | <i>Milena Madry, Switzerland</i>   |
| 1045-1100 | Value of external quality control in hair analysis and its impact for result interpretation                | <i>Frank Sporkert, Switzerland</i> |

**1100-1115**    **COFFEE/NUTRITION BREAK, Rotunda – Black Wing**

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|-----------|--|-----------------------------------|
| 1115-1130 | The Effects of Specialised 'Toxin Removal' Shampoos on the Detection of Drugs in Hair. | <i>Sarah Dore, United Kingdom</i> |
| 1130-1145 | Issues about axial diffusion during segmental hair analysis                            | <i>Pascal Kintz, France</i>       |
| 1145-1200 | Colouring, bleaching and perming: influence on EtG content in hair                     | <i>Michel Yegles, Luxembourg</i>  |
| 1200-1215 | Hair analysis in Workplace Drug Testing and Driving Licence Regranting                 | <i>Cristiana Stramesi, Italy</i>  |

**1215-1345**    **LUNCHEON / POSTER VIEWING\*\***    *Garden Terrace – Hospital Atrium*

**1345-1550**    **SYMPOSIUM: Development and Applications of Cortisol Analysis in Hair**

***Chair: Stan Van Uum, Canada***

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|-----------|--|--|
| 1345-1410 | Initial studies on cortisol in hair  | <i>Stan Van Uum, Canada</i>              |
| 1410-1435 | Methodological aspects of measurements of steroids in hair                 | <i>Pascal Kintz, France</i>              |
| 1435-1500 | Hair cortisol in relation to psychosocial and cardiometabolic risk markers | <i>Tobias Stalder, Germany</i>           |
| 1500-1525 | Clinical applications of hair cortisol analysis                            | <i>Elisabeth van Rossum, Netherlands</i> |
| 1525-1550 | Hair and feather steroids are associated with fitness in wildlife          | <i>Lee Koren, Canada</i>                 |

**1550-1605**    **COFFEE/NUTRITION BREAK, Rotunda – Black Wing**

**1605-1705**    **ORAL PRESENTATIONS: Cortisol Analysis in Hair**

***Chair: Marta Concheiro-Guisan, USA***

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|-----------|--|-------------------------------|
| 1605-1620 | Hair Analysis in the Clinical Laboratory, Accreditation & Quality Management               | <i>Netta Fulga, Canada</i>    |
| 1620-1635 | The Detection of Cortisol in Human Sweat: Implications for Measurement of Cortisol in Hair | <i>Evan Russell, Canada</i>   |
| 1635-1650 | Hair Cortisol Concentrations in Patients with Obstructive Sleep Apnea                      | <i>Evan Russell, Canada</i>   |
| 1650-1705 | Comparison of concentration profiles of glucocorticosteroids and endocannabinoids in hair  | <i>Detlef Thieme, Germany</i> |

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**CONFERENCE PROGRAM; THURSDAY, JUNE 28<sup>TH</sup>**

- 0900-1015**    **SYMPOSIUM: Environmental Applications of Hair Analysis**    *Chair: Joey Gareri, Canada*
- 0900-0925    Detection of flame retardants in hair as biomarkers of systemic exposure in humans    *Katarina Aleksa, Canada*
- 0925-0950    State of the art in hair analysis for the biomonitoring of human exposure to organic pollutants    *Brice Appenzeller, Luxembourg*
- 0950-1035    Stable Isotopes in Hair    *Gilles St-Jean, Canada*
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- 1035-1050**    **COFFEE/NUTRITION BREAK, Rotunda - Black Wing**
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- 1050-1150**    **ORAL PRESENTATIONS: Novel applications of Hair Analysis**    *Chair: Markus Baumgartner, Switzerland*
- 1050-1105    Metabolic Ratio of Opioids in Hair: A novel method to study population genetic polymorphisms    *Kaitlyn Delano, Canada*
- 1105-1120    Dose dependent pharmacokinetics of polybrominated diphenyl ethers (PBDE) in rat hair?    *Katarina Aleksa, Canada*
- 1120-1135    Retrospective history of PBDE exposure measured in hair    *Amanda Carnevale, Canada*
- 1135-1150    Analysis of Cyclosporin A in hair samples from liver transplanted patients    *Alexander Mueller, Germany*
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- 1150-1300**    **LUNCHEON / POSTER VIEWING**    *Garden Terrace - Hospital Atrium*
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- 1300-1500**    **SOHT BUSINESS MEETING**
- AGENDA ITEMS:    President's, Secretary's, & Treasurer's reports
- Proficiency Test 2011 Results (Drugs of Abuse)
- Proficiency Test 2011 Results (Alcohol Biomarkers)    *Frank Sporkert, Switzerland*
- Elections
- Revision of the Alcohol Biomarker Consensus
- Proposals for Future Meetings
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- 1600:**    **Departure for Gala Dinner at Niagara Falls. Buses are arranged to pick up delegates at the DELTA CHELSEA Hotel**

