22nd Scientific Meeting of the Society of Hair Testing
Programme at glance

Monday 12th June

08h20 – 08h30: opening ceremony & welcome addresses

Moderators: Markus R. Baumgartner & Pascal Kintz

08h30-09h00: Keynote 1: “Interpretation of hair analysis results: single and multiple doses” by Dr. Markus R. Baumgartner (Switzerland)

09h00-09h15 O1: Photodegradation of amphetamines and ketamine in hair irradiated in a solar box. Giorgia Miolo, Marianna Tucci, Giulia Stocchero, Susanna Vogliardi, Massimo Montisci, Donata Favretto

09h15-09h30 O2: Disappearance of R/S-methamphetamine and R/S-amphetamine from human scalp hair after discontinuation of methamphetamine abuse. Ping Xiang, Hui Yan, Ting Wang, Min Shen

09h30-09h45 O3: Usefulness of hair analysis and psychological tests for identification of alcohol and drugs of abuse consumption in driving licence regranting. Elena Lendoiro Ana de Castro, Cristian Jiménez-Morigosa, Xosé A. Gomez-Fraguela, Manuel López-Rivadulla, Angelines Cruz

09h45-10h00 O4: The world’s largest drug-control program for drivers uses hair testing. Francisco Garonce

10h00 – 10h30: coffee break

Moderators: Lolita Tsanaclis & Vincent Cirimele

10h30-11h00: Keynote 2: “I never touched it, I just went to a party! The impact of external contamination on interpretation of hair testing results” by Dr. Lolita Tsanaclis (UK)

11h00-11h15 O5: Strategies for discrimination of cocaine consumption from contamination in cocaine positive hair samples based on metabolic ratios in combination with the detection of hydroxycocaines. C. Scholz, K. Wyss, E.J.E. Engeli, M. Herdener, T. Kraemer, M.R. Baumgartner


11h30-12h30: Guided poster tour Chaired by Markus R. Baumgartner


P2. Patterns of poly drug use with positive hair tests for cocaine and alcohol markers. Marie Davies

P4. Improved workflow and detection of amphetamines in drug abusers’ hair using hair pulverizer with a rapid cleanup process. Cheng Min Lim, Jordan Ong, Hilda Loh, Yong Qi Loh, Chi Pang Lui

P5. A fast determination of abuse drugs and metabolites in human hair by UPLC-MS/MS. Rafael Menck de Almeida, Danilo Augusto Alves Pereira, André Luiz Tereso Ribeiro

P6. Hair analysis in driving license issue and renewal in Brazil. Maristela Andraus, Lolita Tsanaclis, Myriam Salvadori, Cristina Pisaneschi, John Wicks

12.30 – 14h00: lunch

Moderators: Pascal Kintz & Frank Sporkert

14h00-14h30: Keynote 3: “Difficulties when interpreting hair analysis results for children. Special focus on methadone” by Dr. Pascal Kintz (France)

14h30-14h45 O7: Hair Analysis in Infant Deaths. Kerryn L. Crump, Matthew Di Rago, Linda L. Glowacki, Noel W.F. Woodford

14h45-15h00 O8: Case reviews – consistency in hair drug testing; ensuring a level playing field for donors. James Nutt, Lolita Tsanaclis, Siân Bevan, Kieran Spellman, John Wicks

Sponsor Presentation


15h15 – 15h45: coffee break

Moderators: James Nutt & Lolita Tsanaclis

15h45-16h15: Keynote 4: “Quality and standardisation in hair analysis” by Dr. Gail Cooper (USA)

16h15-17h00: Round Table 1: Markus R. Baumgartner, Lolita Tsanaclis, Pascal Kintz, Gail Cooper plus 2

18h30 – 19h30 Happy hour drinks at the Chapel 1877

Tuesday 13th June

Moderators: Fritz Pragst & Michael Yegles

08h30-09h00 Keynote 5: “Ethyl palmitate instead of the sum of four FAEEs: a comprehensive data evaluation concerning advantages, disadvantages and cut-offs” by Prof. Dr. Fritz Pragst (Germany)

09h00-09h15 O10: Validation of a LC-MS/MS method for the analysis of ethyl glucuronide (EtG) in hair. Peerayuht Phuangphung, Fiona M Wylie, Denise A McKeown

09h15-09h30 O11: Critical issues in the standardization and interpretation of alcohol consumption markers protocols. Marco Vincenti, Eugenio Alladio, Alberto Salomone

09h30-09h45 O12: Quantitative estimation of EtG in hair by UHPLC coupled with tandem mass spectrometry: Application to sports & forensic sciences. Kapendra Sahu, Alka Beotra, Shobha Ahi, Mahesh Nasare, Satyendra Thakur

9h45 – 10h15: coffee break
10h15-10h45: Keynote 6: “Stressed from head to toe: Steroid hormone levels in hair as markers of chronic stress” by Prof. Dr. Clemens Kirschbaum (Germany)


11h00-11h15 O14: The plasma protein binding of the endogenous glucocorticosteroids is of vital importance for the concentrations in hair. Aniko Krumbholz, Patricia Anielski, Detlef Thieme

11h15-12h30 Guided poster tour Chaired by Robert Kronstrand

P7. Does the donor’s hair length impact on the presence of alcohol markers in hair? Jayne Hazon, Richard Poulton

P8. The Diagnostic Value of Sectioning Hair Samples for EtG Analysis. Sian Bevan, Kieran Spellman, Kim Bagley, Lolita Tsanaclis, John Wicks

P9. Influence of alcohol containing and alcohol free cosmetics on FAEE concentrations in hair. A performance evaluation of ethyl palmitate as sole marker, versus the sum of four FAEEs. C.Dumitrascu, R.Paul, R.Kingston, Rachel Williams


P11. Detection of exogenous anabolic androgenic steroids in hair and evaluation of hair colour influence. Hui Yan, Ping Xiang, Xianyi Zhuo, Min Shen

P12. Pooled snippets of authentic hair for use as reference control material. Natacha Valois, Michael Böttcher, Alberto Salomone, Vincent Cirimele, Markus R. Baumgartner

P13. Interlaboratory comparison for the determination of synthetic cannabinoids in hair. AC. Jollain, M. Neukamm, V. Auwärter, M. Cheze, M. Deveaux, T. Dame, H. Fels, F. Musshoff, A. Salomone, M. Vincenti, V. Cirimele

12.30 – 14h00: lunch

Moderators: Wilco Duvivier & Marco Vincenti

14h00-14h30: Keynote 7: “The advantages of using DART-MS technology in hair analysis” by Dr. Wilco Duvivier (The Netherlands)

14h30-14h45 O15: Quantitative analysis of drugs in hair by UHPLC high resolution mass spectrometry: An application to drug use monitoring. Robert Kronstrand, Malin Forsman, and Markus Roman

14h45-15h00 O16: Determination of antidepressants in hair via UHPLC-MS/MS as a complementary informative tool for clinical and forensic toxicological assessments. María del Mar Ramírez Fernández, Sarah MR Wille, Virginia Hill, Nele Samyn

15h00-15h15 O17: Extraction of Drugs in Hair – All is said and done and nothing left to try? Milena M. Madry, Thomas Kraemer, Markus R. Baumgartner

15h15 – 16h15: coffee break
Moderators: Gail Cooper & John Wicks

16h15-16h45: Keynote 8: “Hair testing for cannabis use in general population samples” by Dr. Michelle Taylor (UK)

16h45-17h15: Round Table 2: Kirschbaum, Fritz Pragst, Wilco Duvivier, Michelle Taylor plus 2

19h00 – 22h00 Banquet at Cardiff Castle

Wednesday 14th June

Moderators: Alberto Salomone & Maristela Andraus

8h30-9h00: Keynote 9: “Interpretation of NPS results in real hair samples” by Dr. Alberto Salomone (Italy)

9h00-09h15 O18: In vitro THC degradation by the skin colonising yeast Malassezia furfur. Mattia Furer, Michel Monod, Marina Fratti Ducreux, Christian Giroud, Frank Sporkert

09h15-09h30 O19: Distribution pattern of ethyl glucuronide and caffeine concentrations over the scalp of a single person in a forensic context. Ulf Meier, Thomas Briellmann, Eva Scheurer, Franz Dussy

09h30-09h45: O20: Ethyl glucuronide in keratinous matrices as biomarker of alcohol use: a correlation study between hair and nails. Delphine Cappelle, Hugo Neels, Steven De Keukeleire, Adrian Covaci, Cleo L. Crunelle, Alexander L.N. van Nuijs

09h45-10h00: O21: Determination of hydroxy-metabolites in hair samples and comparison with street cocaine samples. Thomas Franz, Frank Scheufler, Klaus Stein, Michael Uhl, Torsten Dame, Gerlinde Schwarz, Hans Sachs, Frank Musshoff

10h00 – 10h30: coffee break

Moderators: Brice Appenzeller & Vincent Cirimele

10h30-11h00: Keynote 10: “Hair analysis for the biomonitoring of pollutant exposure” by Dr. Brice Appenzeller (Luxembourg)

11h00-11h15 O22: How pharmacokinetics influence the link between exposure to pesticides and their resulting concentration in hair. Caroline Chata, Emilie M. Hardy, Paul Palazzi, François Faÿs, Nathalie Grova, Claude Emond, Michel Vaillant, Brice M. R. Appenzeller

11h15-11h30 O23: Assessment of pesticide exposure during pregnancy by hair analysis: results from the ELFE mother-child cohort. Emilie M. Hardy, Rémi Béranger, Célia Dextet, Cécile Chevrier, Brice M.R. Appenzeller

11h30-11h45 O24: (dietary) Exposure assessment of pesticides through hair analysis. Hans Mol, Rosalie Nijssen

11h45-12h00 O25: Hair analysis for the biomonitoring of PAH exposure: comparison with urine and DNA adducts in a rat model. Grova N, Faÿs F, Hardy EM, Appenzeller BMR

12.30 – 14h00: lunch

Moderators: Donata Favretto & Fritz Pragst

14h00-14h30: Keynote 11: "When hair is the witness. Forensic Applications of Hair Analysis" by Dr. Donata Favretto (Italy)
14h30-15h00: **Round Table 3:** Alberto Salomone, Brice Appenzeller, Donata Favretto plus 3

15h00 – 15h30: coffee break

15h30-17h00: Business meeting - SoHT Members only & announcement of the awards for best presentation

**End of the 22\textsuperscript{nd} Meeting of the SoHT in Cardiff**

Next year in Ghent, Belgium

Joint meeting of the SoHT with TIAFT, 26th - 30th of August 2018