

**15 · 16 · 17**  
**September meeting program**



**SOHT**  
**2021**  
Santiago de Compostela

*The Way that connects us*

[www.soh2021.org](http://www.soh2021.org)



## **WELCOME!**

Last year was a difficult and unusual year. COVID-19 has changed our world in many different ways and showed the importance of scientific research. The SoHT meetings are an excellent opportunity to build personal and professional relationships among hair testing researchers, and to promote and develop the science in hair analysis.

Unfortunately, COVID-19 prevented the celebration of last year's meeting. But we are pleased to announce that the **25th Annual SoHT Meeting** will be celebrated in Santiago de Compostela the 16th and the 17th of September.

This event will be hosted by the FORTOX group of the University of Santiago de Compostela fulfilling all the sanitary recommendations and preventive measures.

This event gives you the opportunity to visit our beautiful home city, Santiago de Compostela, whose "Old Town" was declared World Heritage by UNESCO and final destination of the famous "Camino de Santiago" (The Way of Saint James). Moreover, 2021 is a special year for Santiago de Compostela because is Jubilee Year, a festivity created in the XV century and that has not been celebrated since 2010.

**We hope you join us!**



**16-17**  
**SEPTEMBER**  
**2021**

**Santiago de Compostela**

# Wednesday 15<sup>th</sup> September 2021

17h00-19h00  Board meeting

# Thursday 16<sup>th</sup> September 2021

08h45-09h15 Opening ceremony

09h15-10h15  Plenary conference

Pascal Kintz

## Session 1: Alcohol biomarkers

10h15-10h45

**01. Improving assessment of alcohol consumption: EtG measurement in hair in combination with measurements of Peth and EtG in blood.**  
James Nutt, Lolita Tsanaclis, John Wicks.

**02. Correlation between phosphatidylethanol (PEth) in whole blood and ethyl glucuronide (EtG) in hair.**  
Catalina Dumitrascu, Celine Gys, Diona D'Hondt, Werner Jacobs, Hugo Neels, Adrian Covaci, Alexander L.N. van Nuijs.

10h45-11h15  Coffee break

## Session 2: Analytical methodologies

11h15-12h45

**03. Method optimization for GHB in hair after soft extraction.**  
Clementine Scholz, Thomas Kraemer, Markus R. Baumgartner.

**04. Application of high throughput LC-HRMS method for the identification of drugs of abuse and medicaments in psychiatric patients' hair.**  
Giulia Biosa, Sara Odoardi, Serena Mestria, Valeria Valentini, Paolo Cellini, Gabriele Sani, Luigi Janiri, Marco Di Nicola, Sabina Strano Rossi.

**05. And now for something completely different: hair testing for cocaine and metabolites using MEPS.**  
Tiago Rosado, Eugenia Gallardo, Duarte Nuno Vieira, Mário Barroso.

**06. Evaluation of the impact of a decontamination procedure on 28 parent drug and/or metabolites in hair samples from illicit and prescribed drug users.**  
María del Mar Ramirez Fernandez, Sarah M.R. Wille, Michel Yegles, Nele Samyn.

**07. Application of a biochip platform to multi-drug screening from a single hair sample.**  
L. Keery, C. Avila, J. Darragh, M.L. Rodríguez, R.I. McConnell, S.P. FitzGerald.

12h45-14h30  Lunch

13h45-14h30 Posters

14h30-15h30  Plenary conference

Alberto Salomone

## Session 3: Hair testing in children

15h30-16h00

**08. Positive ethyl glucuronide results in hair of small children. Comparison with parents and follow-up tests.**  
Fritz Pragst, Franziska Krumbiegel, Denise Thurmann, Lena Westendorf, Maximilian Methling, André Niebel, Sven Hartwig.

**09. Prevalence of in utero exposure to drugs in a cohort of neonates and mothers by an extended toxicological screening in biofluids and hair. Abuse of Cocaine increased during the Covid-19 era.**  
Donata Favretto, Ursula Trafoier, Alessandra Zamboni.

# Thursday 16<sup>th</sup> September 2021

16h00-16h30



Coffee break

## Session 4: New psychoactive substances

**O10. LC MS MS analysis of 29 fentanyl analogs and metabolites in hair.**  
Francesca Freni, Claudia Vignali, Claudia Carelli, Matteo Moretti, Luca Morini.

**O11. One-step extraction and detection of 513 drugs from hair.**  
Paulina Jerszyńska, Jakub Czarny, Natalia Galant, Michał Raczkowski, Radosław Zbytniewski, Renata Herman, Emilia Michałowska, Jolanta Powierska-Czarny, Agnieszka Piotrowska-Cyplik

**O12. New Psychoactive Substances and their main metabolite identification in hair by LC-HRMS.**  
Sara Odoardi, Serena Mestria, Giulia Biosa, Valeria Valentini, Micaela Tirri, Matteo Marti, Sabina Strano Rossi

**O13. Trend and changes of detected NPS in Paris metropolis highlighted by hair testing in a cohort of hospitalized patients (2018-2020).**  
Amine Larabi, Isabelle Etting, Emuri Abe, Marie Martin, Pamela Dugues, Yves Edel, Jean Claude Alvarez

16h30-17h30

19h00



Santiago Tour and Welcome cocktail



# Friday 17<sup>th</sup> September 2021

08h45-09h45



Plenary conference

Carmen Jurado

## Session 5: Hair testing for biomonitoring of pollutants exposure

**O14. Glyphosate in hair: Is it a biomarker for discrimination between high-exposed subjects and general population?**  
Jean-Claude Alvarez, Isabelle Etting, Islam Amine Larabi.

**O15. Hair versus urine for the biomonitoring of exposure to bisphenols, pesticides, phthalates and plasticizers.**  
Paul Palazzi, François Fäys, Émilie M. Hardy, Serge Hann, Claire Beausoleil, Brice M.R. Appenzeller.

**O16. Hair analysis suggests different exposure to pollutants between children and adults living in the same area.**  
Alba Iglesias-González, Charline Schaeffer, Georges Dahm, Emilie M. Hardy, Paul Palazzi, Achilleas Pexaras, Brice M.R. Appenzeller

**O17. Biomonitoring of pesticide exposure in the Grand Duchy of Luxembourg population: results from hair analysis.**  
Feng-Jiao Peng, Claude Emond, Emilie M. Hardy, Nicolas Sauvageot, Ala'a Alkerwi, Marie-Lise Lair, Brice M.R. Appenzeller.

10h45-11h15



Coffee break

|             |                                                                                                                                                                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11h15-12h45 | <b>Session 6: Interpretation of hair results</b>                                                                                                                                                                                                                   |
|             | <b>018. Analysis of matched maternal hair and meconium samples in the assessment of fentanyl use during pregnancy.</b><br>Ángela López-Rabuñal, Daniele Di Corcia, Marta Massano, Elena Lendoiro, Ana de-Castro-Ríos, Alberto Salomone                             |
|             | <b>019. Comparison of antipsychotic drug concentrations in hair and nail samples.</b><br>María Cobo-Golpe, Ana de-Castro-Ríos, Angelines Cruz, Manuel López-Rivadulla, Elena Lendoiro                                                                              |
|             | <b>020. Impact after thermal straightening on opiate and methadone concentrations in hair.</b><br>Imane Shaibi, Stefania Oliverio, Michel Yegles                                                                                                                   |
|             | <b>021. Hair analysis: homemade cosmetic hair treatments and their effects on drug test results.</b><br>Serena Mestria, Sara Odoardi, Giulia Bioss, Valeria Valentini, Sabina Strano Rossi                                                                         |
|             | <b>022. Cocaine in hair. Phantoms and Fairy tales of forensic facts. A statistical evaluation of cocaine metabolic ratios in hair for discrimination of external contamination from incorporation.</b><br>Markus R. Baumgartner, Clementine Scholz, Thomas Kraemer |
|             | <b>023. Alterations of stress-related glucocorticoids and endocannabinoids in hair of chronic cocaine users.</b><br>Clarissa D. Voegel, Sara L. Kroll, Marc W. Schmid, Ann-Kathrin Kexel, Markus R. Baumgartner, Thomas Kraemer, Boris B. Quednow, Tina M. Binz    |
| 12h45-14h30 |  <b>Lunch</b>                                                                                                                                                                   |
| 13h45-14h30 | <b>Posters</b>                                                                                                                                                                                                                                                     |
| 14h30-16h00 | <b>Session 7: DoA Consensus revision</b>                                                                                                                                                                                                                           |
| 16h00-16h30 |  <b>Coffee break</b>                                                                                                                                                            |
| 16h30-18h00 |  <b>Business meeting</b>                                                                                                                                                        |
| 21h00       |  <b>Gala Dinner</b>                                                                                                                                                             |



-----Sponsor-----





+ info

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