

Meeting Day I – September 28th

Fundação Eugénio de Almeida, Auditorium

8:30-9:00 – Reception of participants

9:00-9:30 – Opening session/report on MaSC workshop

9:30-10:30 – *Mass spectrometry for the characterization and identification of proteins in samples from artistic and archaeological objects*

Ilaria Bonaduce

10:30-11:00 – Coffee Break

11:00-11:30 – *Binding media of Antique Mummy Portraits*

Patrick Dietemann, Ursula Baumer, Elisabeth Fugmann, Luise Sand, Cristina Thieme

11:30-12:00 – *Mixed binding media in reverse glass paintings of Heinrich Campendonk*

Ursula Baumer, Patrick Dietemann, Simone Bretz, Gisela Geiger

12:00-12:30 – *Specific and micro-scale identification of plant gums in works of art using saccharide mass fingerprinting with MALDI-MS*

Clara Granzotto, Ken Sutherland, Julie Arslanoglu

12:30-14:00 – Lunch

14:00-14:30 – *The characterisation and identification of shellac resin by liquid chromatography techniques coupled with electron spray ionisation and mass spectrometry*

Diego Tamburini, Joanne Dyer, Ilaria Bonaduce

14:30-15:00 – *Xanthene dyes: a study on fragmentation patterns and degradation pathways in textiles*

Francesca Sabatini, Roberta Giugliano, Ilaria Degano, Maria Perla Colombini

15:00-15:45 – Poster Teaser session

15:45-16:15 – Coffee break

16:15-16:45 – *Mass spectrometry to investigate molecular degradation phenomena of modern oil paintings*

Anna Lluveras-Tenorio, Jacopo La Nasa, Francesca Modugno, Ilaria Degano, Judith Lee, Bronwyn Ormsby, Klaas Jan van den Berg, Donatella Banti, Aviva Burnstock, Ilaria Bonaduce

16:45-17:15 – *Modern paints: archives versus analyses*

Nathalie Balcar

17:15-17:45 – *A methodological approach for the investigation of modern inks*

Inez Dorothé van der Werf, Giulia Germinario, Luigia Sabbatini

18:30 – Visit to the Évora Museum and wine reception

Meeting Day 2 – September 29th

Fundação Eugénio de Almeida, Auditorium

9:00-10:00 – *Something is eating your object? Application of SPME-GC-MS method for the detection of active moulds on the historic objects*

Tomasz Sawoszczuk

10:00-10:30 – *Non-destructive identification of VOCs from off-gassing natural and synthetic heritage materials: practical applications of SPME-GC/MS to some archaeological and museum objects*

Agnès Lattuati-Derieux, Martine Regert, Juliette Langlois, Sylvie Thao-Heu, Anne-Laurence Dupont

10:30-11:00 – *A New Approach to an Old Problem: Evaluating Pollutant Off-Gassing from Museum Construction Materials Using Evolved Gas Analysis with GC-MS*

Gregory Dale Smith, Michael J. Samide, Cattie Liggett, Jericha T. Mill

11:00-11:30 – Coffee Break

11:30-12:00 – *Mass spectrometry in the study of archaeological materials - selected case studies*

Cristina Barrocas Dias, Ana Manhita, Anne-France Maurer

12:00-12:30 – *Assessing by Py-GC/MS the decontamination of archaeological bones cleaned using supercritical fluids prior to radiocarbon dating*

Thibaut Devière, Erika Ribechini, Diletta Querci, Thomas Higham

12:30-13:00 – *The application of LA-ICP-MS in the fingerprinting of raw materials: the examples of gold coinages and prehistoric ceramics*

Benjamin Gehres, Maryse Blet-Lemarquand, Guirec Querré, Arnaud Suspène

13:00-14:30 – Lunch

14:30-15:00 – *Slow Pyrolysis: Py-GC-MS Analysis Using a Lower Pyrolysis Temperature and a Slower Heating Rate*

Jennifer Poulin

15:00-15:30 – *An untargeted search for markers using AMDIS: Construction of a structured library of components present in artificially aged lacquer ingredients*

Louise Decq, Wim Fremout, Frederic Lynen, Vincent Cattersel, Delphine Steyaert, Charles Indekeu, Emile Van Binnebeke, Steven Saverwyns

15:30-16:00 – Coffee break

16:00-17:00 – MaSC group meeting / Closing remarks

19:30 – Conference Dinner (not included in the meeting fee)

Poster presentations

Study of illusionistic restoration painting of ancient pottery restored in the 19th century

Kamilla Kalinina, Anna Petrakova

Scientific upcycling – Developing a SPME-GC/MS methodology using anoxic chambers for the monitoring of VOCs emitted from polymeric artworks

Mark Kearney, Joyce H. Townsend, Ivan Parkin, Manuel Hidalgo, Katherine Curran

Comparative study of sample preparation methods for tryptic peptide analysis

Wim Fremout, Maarten Dhaenens, Dieter Deforce, Steven Saverwyns

Pyrolysis-gas chromatography/mass spectrometry analysis of a pair of 19th century Chinese lacquered wardrobes owned by the Philadelphia Museum of Art

Kate Duffy, Wei Kao, Peggy Olley, Beth Price, Hiromi Kinoshita, Behrooz Salimnejad

Sticky situations: Identifying hafting adhesives in the South African archaeological record by mass spectrometry

Margaret-Ashley Veall, Thibaut Devière, Wendy Black, Celeste Booth, Peter Mitchell, Mark Pollard, Erika Ribechini

To be, or not to be (an acrylic)? Unraveling binding media in paintings by Carmen Herrera dated to 1948-1952

Federica Pozzi, Anna Cesaratto, Julie Arslanoglu, Matthew Skopek