

## Meeting Day I – September 28<sup>th</sup>

### Fórum 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 29<sup>th</sup>

### Fórum 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)

26-30 September 2017

HERCULES Laboratory

University of Évora

## 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