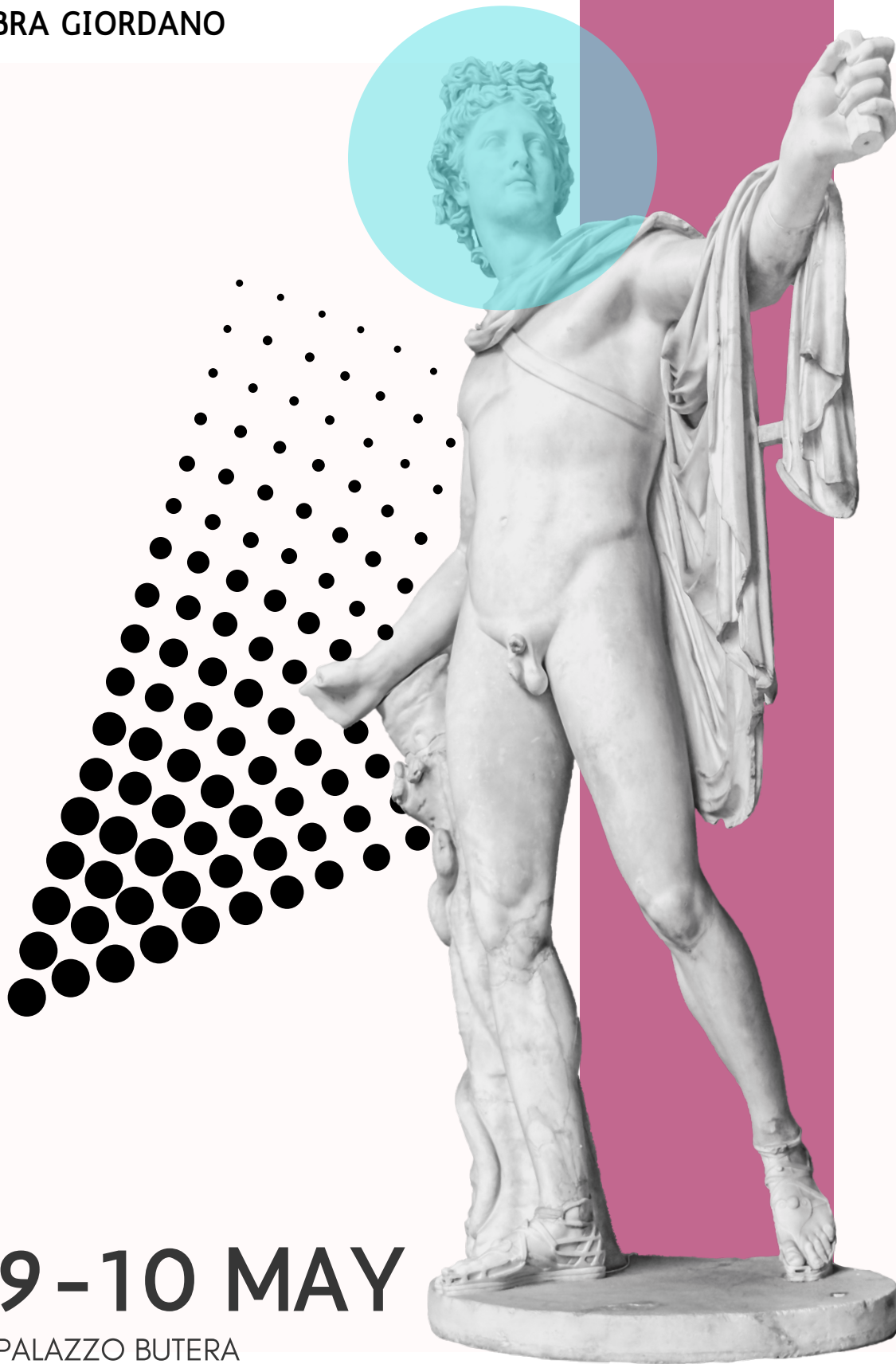


AGAR SPRAY

NEW APPLICATIONS OF RIGID GEL
FOR THE TREATMENT OF LARGE SURFACES

AMBRA GIORDANO



9-10 MAY

PALAZZO BUTERA
PALERMO - ITALY

WORKSHOP

AGAR SPRAY:

NEW APPLICATIONS OF RIGID GEL FOR THE TREATMENT OF LARGE SURFACES

Ambra Giordano

with assistance in the practical part of Maria Rita Caruso

9 - 10 MAY 2022

Palazzo Butera

Via Butera 8, 90133 Palermo - Italy

OVERVIEW

The innovative procedure presented during the workshop will provide participants with new theoretical and practical knowledge on the applicative potential of this helpful gelling agent.

The new method developed by the teacher, thanks to the tool adopted for the application, gives the agar new structural characteristics.

For the first time the treatment becomes feasible, safe and suitable for complex surfaces, extended and varied in nature, obtaining results that are difficult to reach with the methods presently known. The workshop will offer participants know-how and skills to master the application of the "agar spray" technique, applicable to paint, paper, wood, wall and plaster.

Ambra Giordano graduated in 2004 from the Academy of Fine Arts and Restoration in Palermo. In 2013 she started working as a Restorer of Cultural Heritage after earning a degree in Conservation and Restoration of Cultural Heritage at the University of Palermo. In 2017 she obtained the II level International Master in "Biology for the Knowledge and Conservation of Cultural Heritage" at the Roma Tre University.

Since 2014 she has collaborated with the Research Laboratory of Biology and Biotechnology for Cultural Heritage at the University of Palermo, and collaborates with national and international museums and training organizations.

Maria Rita Caruso graduated in Conservation and Restoration of Cultural Heritage at the University of Palermo in 2019. She is currently a PhD student at the Physical Chemistry Department at the University of Palermo.

REGISTRATION FEE:

500 € VAT included coffee break and social dinner on May 9th.

EARLY BIRD deadline : February 18 th
450 € VAT included

PRACTICAL INFORMATION:

Language of instruction: English

Number of participants: 20

HOW DO APPLY?

Contact via e-mail ambragiordano@yahoo.it

Application deadline: 9th April 2022

PROGRAM

1st Day.

Theoretical part (4 hours)

- Short introduction on the characteristics of the agar gel and the currently known application methods;
- The nebulization process;
- The instrument used for nebulizing agar and its components;
- The "agar spray" cooling process;
- Analysis and tests performed on the nebulized agar film and comparison with the gel obtained with traditional procedures;
- How to choose the temperature of the agar to spray;
- Short presentation of examples / case studies of the spray application.

Practical part (4 hours)

- Preparation of the agar for spray application;
- Spraying technique;
- The distance from the surface to be treated;
- The adjustment of the sprayed figure;
- The adjustment of the material flow rate;
- Demonstration of the "spray" application.

2d Day.

Theoretical part (4 hours)

- The spray application with a continuous or discontinuous flow;
- Environmental parameters and their influence on the application;
- Possibility to create an interface inside the gel
- Liquid diffusion;
- The "spray" application in combination with temporary hydropobisation;
- The residues and the cleaning of the instrument.

Practical part (4 hours)

- Application on vertical surfaces and three-dimensional objects;
- Demonstration of the spray application method and practical tests carried out individually by the participants;
- Discussion and closing of the workshop.

