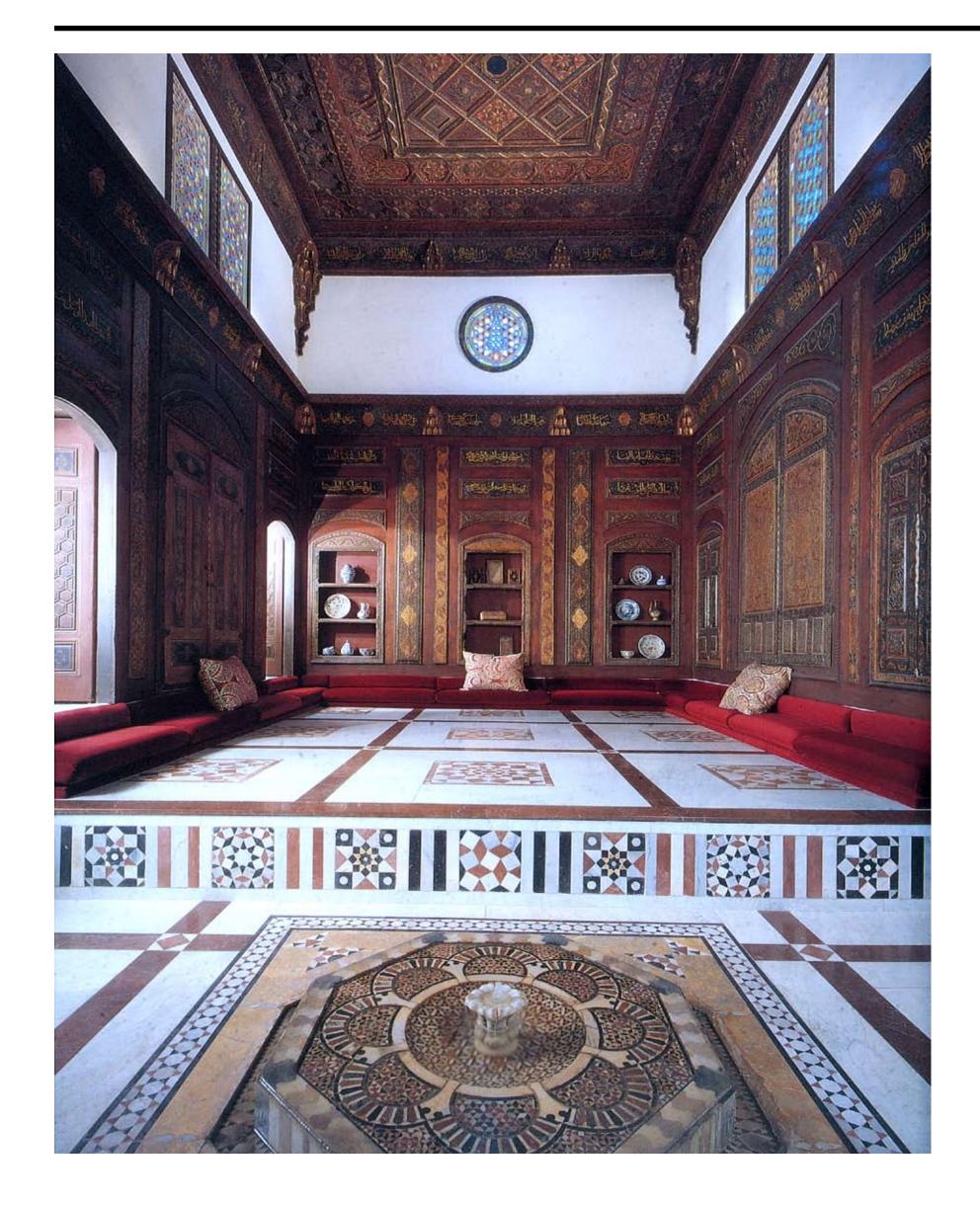
## Painting Techniques of Ottoman Interiors: reconstructing decorative panels from a Damascus Room at the Metropolitan Museum of Art

Lauren Fair, Beth Edelstein, and Adriana Rizzo





**This interior** dates to 1707 and functioned as a reception chamber, or *qa'a*, in the house of an affluent family in Damascus, Syria. Poplar wall paneling and ceilings are decorated with layers of gesso with raised relief designs, known as 'ajami, metal leafing, colored glazes, and bright paint colors.

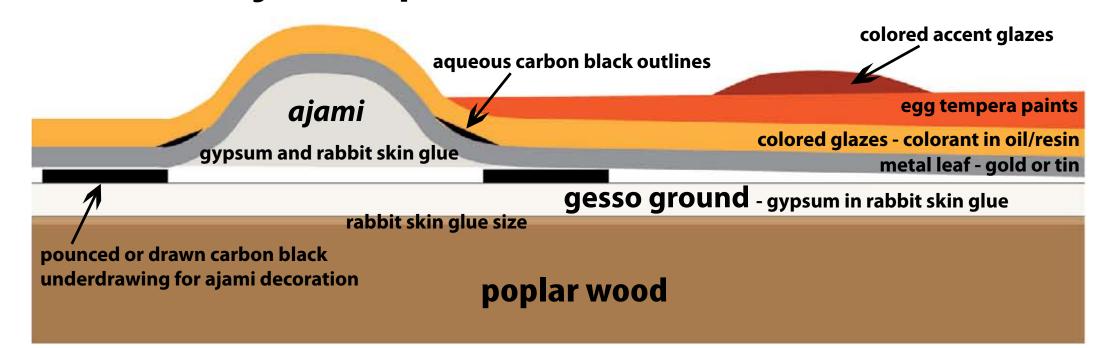
The current appearance exhibits multilayered, darkened restoration varnishes that obscure the once-vibrant colors and interplay of light between reflective and matte surfaces. Smalt blue backgrounds of calligraphy panels, once a brilliant blue, are now so darkened they appear to be black.

available to museum visitors on a computer kiosk at the room's entrance.

**Analysis** of the original pigments and media, supplemented by recipes and techniques from historic treatises and current research, guided the selection of materials for the reconstruction [1, 2]. Identified paint pigments include minium, vermilion, basic verdigris, smalt, carbon black, and lead white; glaze colorants include aloe (orange), verdigris (green), and cochineal (red).

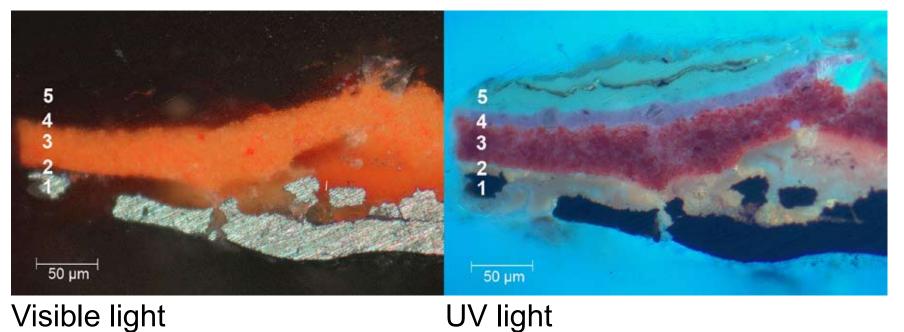
**The project purpose** is to illustrate the intended appearance of the room, and to better understand the original techniques and materials. Images of the reconstructed panels will be part of the didactic materials

## **General layer sequence**



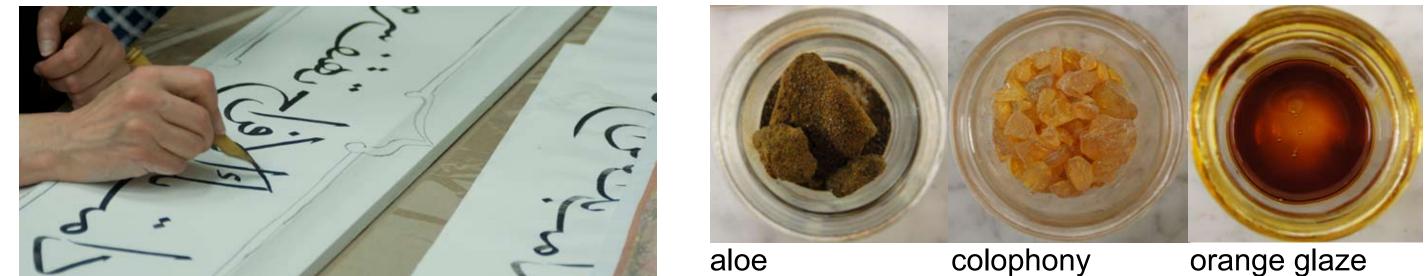
The calligraphy panel is integrated in the wall paneling and is the second of 27 panels with Arabic poetry in thuluth jali script. This panel reads: "(May) feasts of rejoicing remain with you eternally."





Visible light

Sample taken from red flower on border 5. Restoration varnish layers, dirt between layers 4. Cochineal red glaze 3. Minium/vermillion flower 2. Aloe orange glaze 1. Tin leaf





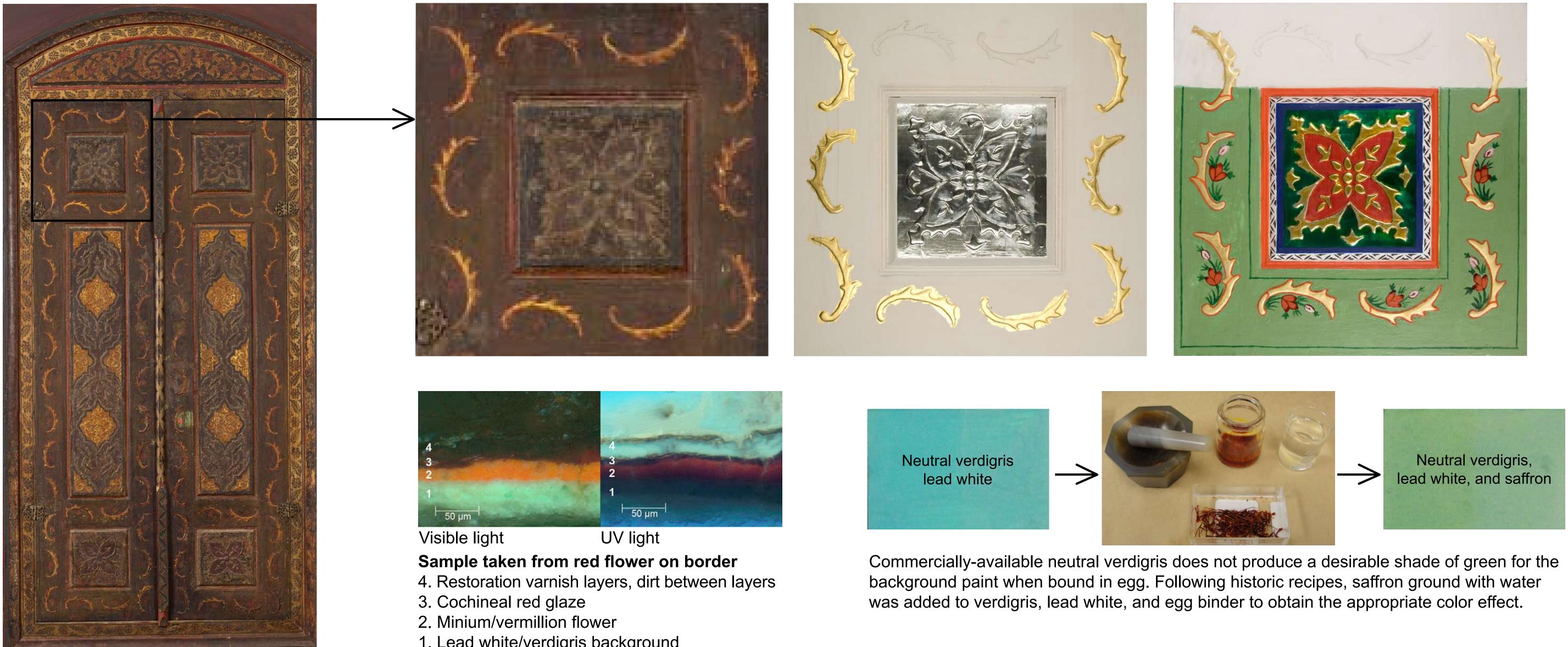
Reconstructed calligraphy panel reflects sequence of steps involved in construction.



Calligrapher Elinor Holland, executing underdrawing for 'ajami script with a reed pen.

Orange glaze colorant on tin leaf outer border is aloe in drying oil-*Pinaceae* resin. For replication, aloe was cooked with mixture of colophony and linseed oil in a ratio of 4:2:1 (oil/resin/aloe) [3].

The door panel and frame are from the upper section of one set of cupboard doors on the south wall.



- 1. Lead white/verdigris background

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