



DET
DANSKE
INSTITUT
I ATHEN

ΙΝΣΤΙΤΟΥΤΟ ΤΗΣ ΔΑΝΙΑΣ ΣΤΗΝ ΑΘΗΝΑ
THE DANISH INSTITUTE AT ATHENS

The Danish Institute at Athens
is pleased to invite you to a lecture in English

**The implementation of the natural sciences
in the study of ancient polychromy**

by

**Peter Fink-Jensen, Ny Carlsberg Glyptotek
Luise Ørsted Brandt, Centre for Urban Network Evolutions**

Tuesday the 14th of June at 19.00
in the auditorium of the Institute, Herefondos 14A, Plaka, Athens



At the Ny Carlsberg Glyptotek, Copenhagen, various analytical techniques are applied to investigate questions on ancient polychromy, which cannot be answered by traditional archaeological methods. This presentation will introduce two of these scientific approaches.

The first approach utilizes microchemical analysis of trace elements and lead isotopes in colour pigments to investigate the pigment's production history and material provenance, including mining origin, metallurgical processing, trade and implementation in classical Roman and Etruscan art.

The second approach demonstrates how analysis of proteins from paint layers of ancient sculptures and architectural elements can enlighten the raw material source and species of ancient binding media. Such information can characterise ancient painting technologies and help make reconstructions of painted sculptures with the original optical appearance.

The two approaches demonstrate true cross-disciplinary research and describe the steps by which ancient pigments and binding media were processed from original raw material to artistic application on ancient polychrome art works.

Herefondos 14,
GR/105 58 Athens,
Greece

Tel.: +30 210 32 44 644
Fax: +30 210 32 47 230

Home page: www.diathens.gr
E-mail: info@diathens.gr