



Curation of Microscope Slides: Mounting Media, Conservation, and Digitization

September 19–21, 2023

Hybrid conference, free of charge

Venues: Museum für Naturkunde Berlin and online (Zoom)

Organizing Committee: Peter Giere¹, Zoe Jay Adams², Mariana di Giacomo³, Liesa Grunow¹, Kubilay Doğan Kılıç^{1,4}, Birger Neuhaus¹ and Franziska Schuster¹

¹ Museum für Naturkunde Berlin
² The Natural History Museum, London
³ Yale Peabody Museum, New Haven
⁴ Ege University, Izmir

Detailed Programme
all times given in Berlin local time CEST (UTC+2)

Tuesday 19th September 2023 Mounting Media

CEST	TITLE OF TALK	AUTHOR(S)	AFFILIATION
	<i>Session convener:</i>	<i>Mariana Di Giacomo</i>	
14.00h	Opening	Jana Hoffmann / Peter Giere	Museum für Naturkunde Berlin
14.10h	Aging of microscope slides	Birger Neuhaus, Jens Riedel, Thomas Schmid, Robert Jungnickel, Julia Hidde and Sophie Grünier	Museum für Naturkunde Berlin and Bundesanstalt für Materialwissenschaften und -prüfung, Berlin
14.35h	Aging experiments on gum-chloral mounting media - is deterioration inevitable?	Zoe Adams	The Natural History Museum, London
15.00h	Chemical analysis of gum-chloral mounting media: a first step towards understanding degradation mechanisms?	Alice Gimat, Thierry Bourgoïn, Danièle Matile, Laurent Fauvre, Sophie Cersoy and Véronique Rouchon	Muséum national d'Histoire naturelle, Paris, and Sorbonne Université, Paris
15.25h	<i>Coffee break</i>	<i>Real and virtual coffee tables</i>	
	<i>Session convener:</i>	<i>Birger Neuhaus</i>	
15.40h	Fourier Transform Infrared Spectroscopy as a tool for identification of slide mounting media	Mariana Di Giacomo	Yale Peabody Museum, New Haven
16.05h	Big Data of museums for comparative histology and embryology	Kubilay Doğan Kılıç	Ege University, Izmir and Museum für Naturkunde Berlin
16.30h	Restaining for immunohistology in old specimens	Ayşegül Taşkiran and Yiğit Uyanıkgil	Ege University, Izmir
16.55h	<i>Coffee break</i>	<i>Real and virtual coffee tables</i>	
17.10h	Breakout rooms	Meet the speaker, virtual coffee tables	
18.00h	Breakout rooms closed		
18.10h	Optional tour on the history of Berlin (in person participants only)	Peter Giere	Museum für Naturkunde Berlin
ca. 19.00h	Optional dinner (in person participants only, at your own expense)		

Wednesday 20th September 2023 Slide Conservation and Collection Management

For in-person participants only:

11.00h & 11.30h: Optional tours for in-person-participants: Histology lab / „Worm“ Collection: Peter Giere & Birger Neuhaus, Museum für Naturkunde Berlin

12.00h: Optional lunch (at your own expense)

CEST	TITLE OF TALK	AUTHOR(S)	AFFILIATION
	<i>Session convener:</i>	<i>Kubilay Doğan Kılıç</i>	
14.00h	Care and conservation of microscope slides	Mariana Di Giacomo	Yale Peabody Museum, New Haven
14.25h	A condition survey of the NHM sandfly (Diptera, Psychodidae) slide holdings: a statistical approach	Zoe Adams	The Natural History Museum, London
14.50h	Poster session		
15.00h	<i>Coffee break</i>	<i>Real and virtual coffee tables</i>	
	<i>Session convener:</i>	<i>Zoe Adams</i>	
15.30h	Developing a restoration concept for the Embryological Collection at the Museum für Naturkunde Berlin	Liesa Grunow and Peter Giere	Museum für Naturkunde Berlin
15.55h	Sharp edges in control of (new), collections managers – looking at the microscope slide of Naturalis Biodiversity Center (NL)	Charlotte Hartong, Rob van den Berg, Hannco Bakker and Roxali Bijmoer	Naturalis, Leiden
16.45h	<i>Coffee break and virtual poster session</i>		
17.00h	Breakout rooms	Meet the speaker, virtual coffee tables	
18.00h	Breakout rooms closed		
ca. 18.30h	Optional dinner (in person participants only, at your own expense)		

Thursday 21st September 2023 Slide Collection Digitisation

For in-person participants only:

11.00h & 11.30h: Optional tours for in-person-participants: Histology lab / „Worm“ Collection: Peter Giere & Birger Neuhaus, Museum für Naturkunde Berlin

12.00h: Optional lunch (at your own expense)

CEST	TITLE OF TALK	AUTHOR(S)	AFFILIATION
	<i>Session convener:</i>	<i>Franziska Schuster</i>	
14.00h	Digitisation of microscope slides: basic considerations	Birger Neuhaus	Museum für Naturkunde Berlin
14.25h	Collaborative digitisation: mobilise, manage and move the Australian CSIRO microscope slide collections	Nicole Fisher	CSIRO, Canberra
14.50h	High-throughput digitisation of microscope slides at the Natural History Museum, London	Glory Turnbull, Louise Allan and Louise Berridge	The Natural History Museum, London
15.15h	<i>Coffee break</i>	<i>Real and virtual coffee tables</i>	
	<i>Session convener:</i>	<i>Mariana di Giacomo</i>	
15.30h	Development of a workflow for high-throughput whole-slide scanning of zoological and geological microscope slides at Museum für Naturkunde Berlin	Franziska Schuster, Luise Sommer and Elena Klingemann	Museum für Naturkunde Berlin
15.55h	High throughput information extraction of printed specimen labels from large-scale digitization of entomological collections using a semi-automated pipeline	Margot Belot, Leonardo Preuss, Joël Tuberosa, Magdalena Claessen, Olha Svezhentseva, Franziska Schuster, Christian Bölling, and Théo Léger	Museum für Naturkunde Berlin
16.20h	AI-driven specimen label transcription and information extraction	Michael Ustaszewski	READ-COOP SCE, Innsbruck
16.45h	Closing	Peter Giere	Museum für Naturkunde Berlin
16.55h	<i>Coffee break</i>		
17.10h	Breakout rooms	Meet the speaker, virtual coffee tables	
18.00h	Breakout rooms closed / end of event		

in cooperation of and with:

