

MUSEU DE CIÊNCIA



UNIVERSIDADE DE LISBOA



SOCIEDADE
PORTUGUESA
DE QUÍMICA

19th Century Chemistry: Spaces and Collections

Museum of Science
University of Lisbon

1-4 February 2007

Programme

Thursday, 1 February

8.30 h Welcome and Registration (Main Entrance of the Museum)

Amphitheatre of Chemistry

9.15 h **Opening Session**
Ana Eiró, Director of the Museum of Science
Paulo Ribeiro Claro, Secretary-General of the Portuguese Chemical Society

9.20 h **Why a Conference on Scientific Heritage?**
Ana Carneiro, New University of Lisbon
Marta Lourenço, Museum of Science

Keynote Session: The Heritage of Chemistry
Chair: Ana Eiró, Museum of Science

9.30 h **Managing collections of elements: Strategies of classification**
(30+10) Bernadette Bensaude-Vincent, Université de Paris X

10.10 **The evolution of the chemistry teaching laboratory**
(30+10) Robert G.W. Anderson, University of Cambridge

11.00 Coffee-Break

Museum Auditorium

Reflections on heritage and the history of science
Chair: Ana Carneiro, New University of Lisbon

11.30 h **Academic laboratories in nineteenth-century Paris**
(25+5) Alan Rocke, Case Western University

12.00 h **Chemical Collections: History, typology, uses**
(25+5) Christoph Meinel, University of Regensburg

12.30 h **How to turn 'old stuff' and papers into scientific heritage?**
(20+5) **Preserving the heritage of physics at the University Louis Pasteur**
Sébastien Soubiran, Université Louis Pasteur, Strasbourg

12.55 h **Contributions and limitations of historians of science in museums: The history of radioactivity and museums**
(20+5) Soraya Boudia, Université Louis Pasteur, Strasbourg

13.20 h Break for lunch

Museum Auditorium

Laboratories and the history of chemistry

Chair: Tiago Saraiva, University of Lisbon

- 14.30 h (25+5) **Chemical and pharmaceutical laboratories before the professionalization of chemistry**
Ursula Klein, Max Planck Institute for the History of Science Berlin
- 15.00 h (25+5) **Big Chemistry: Lavoisier's design and organisation of his laboratories**
Marco Beretta, University of Bologna/Institute and Museum of the History of Science Florence
- 15.30 h (20+5) **Implementation and dissemination of chemistry in Brazil: The role of the first chemical laboratories**
Nadja Paraense dos Santos, Federal University of Rio de Janeiro
- 15.55 h (20+5) **Chemical Grand Tours and laboratory evolution**
Catherine Jackson, University College London
- 16.20 h Coffee-Break

Museum Auditorium

Giving a new life to the Chemistry Laboratories of Coimbra and Lisbon

Chair: Fernanda Madalena Costa, University of Lisbon

- 16.50 h (15+5) **The *Laboratorio Chimico* of the Polytechnic School in the context of the Museum of Science of the University of Lisbon**
Fernando Bragança Gil, Museum of Science
- 17.10 h (15+5) **The restoration of the *Laboratorio Chimico* of the Polytechnic School (19th century), University of Lisbon**
Graça Santa-Bárbara, Museum of Science
- 17.30 h (15+5) **The *Laboratorio Chimico* in the context of the Science Museum of the University of Coimbra**
Paulo Gama Mota, Science Museum of the University of Coimbra
- 17.50 h (15+5) **The restoration of the *Laboratorio Chimico* (18th century), University of Coimbra**
Pedro Enrech Casaleiro, Science Museum of the University of Coimbra
- 18.20 h **Visit to the *Laboratorio Chimico* of the Polytechnic School of Lisbon**
- 19.00 h Welcome Cocktail (Main Entrance of the Museum)

Friday, 2 February

Museum Auditorium

Laboratories: Case-Studies

Chair: Cândido Marciano da Silva, New University of Lisbon

- 9.00 h **Chemistry laboratories in nineteenth-century Vienna**
(20+5) W. Gerhard Pohl, Austrian Chemical Society
- 9.25 h **A review of the historical literature on the *Laboratorio Chimico* of the Polytechnic School of Lisbon**
(20+5) Vanda Leitão, New University of Lisbon
- 9.50 h **The chemical laboratory of the Hamidiye Eftal Children's Hospital in Istanbul**
(20+5) Feza Günergün, Istanbul University

10.15 h Coffee-Break

University Laboratories and Collections

Chair: Paula Diogo, New University of Lisbon

- 10.45 h **At the sign of the 'Laboratory of Physical Chemistry': Preserving and presenting histories of chemistry at Cambridge**
(25+5) Liba Taub, Whipple Museum of the History of Science, University of Cambridge
Ruth Horry, Whipple Museum of the History of Science, University of Cambridge
- 11.15 h **Instrumentation and Research on Radioactivity**
(20+5) Isabel Serra, I.M. Peres & F.Bragança Gil, University of Lisbon
- 11.40 h **The collection of the Faculty of Pharmacy of the University of Coimbra and its role in the history of pharmaceutical teaching**
(20+5) J.R. Pita, University of Coimbra
T. Alvim, University of Coimbra
- 12.05 h Break for lunch
- 13.00 h Visit to the Botanical Garden, University of Lisbon
Fernando Catarino, University of Lisbon
(meeting point at the Botanical Garden entrance)

Museum Auditorium

University Laboratories and Collections

Chair: Ana Simões, University of Lisbon

- 14.30 h **The heritage of the Astronomical Observatory of Strasbourg: A richly documented 'collection-to-be'**
(20+5) Françoise Le Guet-Tully, Observatoire de la Côte d'Azur, Nice
Jean Davoigneau, Ministère de la Culture, Paris
- 14.55 h **Impossible zoos: Collections of chemical products at the Université Catholique de Louvain**
(20+5) Brigitte Van Tiggelen, Université Catholique de Louvain
- 15.20 h **The *Laboratorio Chimico* of the Museum of Science, University of Lisbon: Reflections on documenting a collection**
(20+5) I.M. Peres, University of Lisbon
M.C. Elvas, Museum of Science
S. Gessner, University of Lisbon

- 15.45 h
(20+5) **The *Laboratorio Chimico* of the University of Coimbra: Historical interpretation of a space of science**
Catarina Pires, University of Aveiro
Isabel Malaquias, University of Aveiro
Pedro Casaleiro, University of Coimbra
- 16.10 h **Coffee-Break & Poster Session**
- Nineteenth-century pharmacy in Castelo Branco, Portugal: The foundation of the Misericórdia's Apothecary – historical archives**
Lurdes Cardoso, Instituto Politécnico de Castelo Branco, Portugal
- The collection of weighing balances of the Museum of Science of the University of Lisbon**
Maria do Carmo Elvas, Museum of Science, University of Lisbon
- The heritage tree: A primary source for research**
Roberto Leite, University of Évora
- Conservation and restoration of the *Laboratorio Chimico* of the Polytechnic School, Lisbon: Contribution of the Instituto Português de Conservação e Restauro (IPCR)**
Margarida Cavaco, Graça Horta, Alexandre Pais, Anabela Almeida & Pedro de Orey
Cancela de Abreu, IPCR
- Bridging Gaps: History, Science, Art and Preservation**
Chair: Ana Seruya, IPCR
- 16.50 h
(25+5) **Old Master paintings, historic artists' paint recipe books and modern analytical methods: Bringing it all together**
Stephan Schäfer, New University of Lisbon
- 17.20 h
(25+5) **Treatment and diffusion of scientific heritage in a state laboratory**
Conceição Casanova, Tropical Research Institute Lisbon
- 17.50 h
(20+5) **The Chemistry of Minerals: Revamping historical techniques for educational purposes at the National Natural History Museum, Lisbon**
Fernando Barriga, Mineralogy and Geology Museum (National Museum of Natural History)
- 20.00 h
Conference Dinner
(meeting point at the Restaurant 'Adega', Metro station Campo Pequeno)

Saturday, 3 February

Please note the parallel sessions in the morning – at the Museum Auditorium and at the Amphitheatre of Botany.

Museum Auditorium (Parallel Session I)

Perceptions of Chemistry, Chemists and Laboratories I

Chair: Luis Saraiva, Museum of Science

- 9.00 h **Thunder'd on Asia's and on Africa's strand... Illustrious names, with deathless laurels crown'd**
(20+5)
Filomena Camões, University of Lisbon
Pilar Pereira, Museum of Science
- 9.25 h **Did nineteenth century's natural philosophy affect the development of 'galvanism' in German laboratories?**
(20+5)
Claudia Schweizer, Austria
- 9.50 h **Rodrigues Sobral (1759-1829) on the febrifuge principle of cinchona barks**
(20+5)
António Amorim da Costa, University of Coimbra
- 10.15 h **Drawings-Instruments-Ideas: Experimental cultures in late nineteenth-century Heidelberg**
(20+5)
Christine Nawa, University of Heidelberg
- 10.45 h Coffee-Break

Amphitheatre of Botany (Parallel Session II)

Perceptions of Chemistry, Chemists and Laboratories II

Chair: Agustí Nieto-Galan, University of Barcelona

- 9.00 h **Joseph Zanni (1854-1934) and his chemical laboratory established in 1891**
(20+5)
Emre Dölen, Marmara University
- 9.25 h **Public image of some chemistry professors of the *Eschola Polytechnica de Lisboa***
(20+5)
Bernardo J. Herold, Instituto Superior Técnico, Lisboa
- 9.50 h **The social history of a chemist: Sources and the example of Charles Adolphe Wurtz**
(20+5)
Natalie Pigéard, Bibliothèque Nationale de France, Paris
- 10.15 h **Between laboratory, photography and industry: The activity of the chemist José Júlio Rodrigues in the second half of the nineteenth century**
(20+5)
Ana Cardoso de Matos, University of Évora
- 10.45 h Coffee-Break

Museum Auditorium

Collections and the history of formal and informal chemical education

Chair: João Caraça, Calouste Gulbenkian Foundation

- 11.15 h **The didactic uses of experiment in early nineteenth century**
(25+5)
Antonio Garcia Belmar, University of Alicante
José Ramón Bertomeu Sánchez, University of Valencia

- 11.45 h **Historical awareness in university chemistry education**
(20+5) Jetse C. Reijenga, Eindhoven University of Technology
Gijsbertus de With, Eindhoven University of Technology
- 12.10 h **Chemistry textbooks in late nineteenth-century Spain: Experimental
(20+5) and philosophical models**
Pedro Cintas, University of Extremadura
- 12.35 h Break for lunch
- Collections and the history of formal and informal chemical education**
Chair: Robert Hicks, Chemical Heritage Foundation
- 14.00 h **From Griffin to Gilbert: How a nineteenth century chemistry teaching
(20+5) tool became a child's toy**
Rosanne DiVernieri, Chemical Heritage Foundation
- 14.25 h **Cultures of magic, science and masculinity in twentieth-century toy
(20+5) chemistry sets**
Salim Al-Gailani, University of Cambridge
- 15.00 h Coffee-Break
- Keeping Scientific Heritage: What for?**
Chair: Robert G.W. Anderson, University of Cambridge
- 15.30 h **The rise and fall of the Berzelius Museum**
(20+5) Karl Grandin, Royal Swedish Academy of Sciences
- 15.55 h **Yesterday's collections in today's courses**
(20+5) P.O. Eggen, Norwegian University of Science and Technology, Trondheim
L. Kvittingen, Norwegian University of Science and Technology, Trondheim
A. Lykknes, Sør-Trøndelag University College Trondheim
- 16.20 h **COMIC and the conservation study and diffusion of Catalan scientific
(20+5) heritage**
José Ramón Bertomeu-Sánchez, University of Valencia
Antonio García-Belmar, University of Alicante
- 16.45 h **What stories can traces tell?**
(25+5) Steven de Clercq, ICOM-UMAC (University Museums and Collections), NL
- 17.15 Discussion
- 18.30 h Visit to the Pharmacy Museum
João Neto
(meeting point at the Pharmacy Museum)

Sunday, 4 February

Auditório do Museu

10.00 h **Sessão Pública: Que Políticas para o Património Científico e Tecnológico Português?**

Moderador: António Manuel Nunes dos Santos, Universidade Nova de Lisboa

Aberta ao público, esta sessão pretende debater questões relevantes para o Património Científico e Tecnológico Português, especialmente estratégias e legislação relativas à sua conservação e promoção a curto e longo prazo.

Durante esta sessão, será apresentado um documento base enumerando prioridades e orientações com vista à preservação do Património Científico Português que servirá de base à discussão.

[Public Session; in Portuguese]

Open to the general public, this Public Session aims at debating relevant issues regarding Portuguese scientific and technological heritage, in particular, strategies and legislation for its preservation and promotion, both in the immediate and long-term future.

During this session, a document outlining priorities and guidelines regarding the preservation of Portuguese Scientific Heritage will be presented.

10.00 h O Património Científico Português
Marta Lourenço, Museu de Ciência da Universidade de Lisboa

10.20 h O Património Tecnológico Português
Maria Fernanda Rollo, Universidade Nova de Lisboa

Património Científico: Estudos de Caso

10.40 h *Património das Universidades*: O Património da Universidade do Porto
Manuel Janeira, Universidade do Porto

10.55 h *Património dos Antigos Liceus*: O Património da E. S. Passos Manuel de Lisboa
Fernando Faria, E.S. Passos Manuel

Coffee-Break (15 min)

11.30 h *Património dos Politécnicos*: O Património da Área Científica de Física do Instituto Superior de Engenharia de Lisboa
Catarina Leal, ISEL

11.45 h *Património dos Institutos e Laboratórios*: O Património do Instituto Geológico e Mineiro
Miguel Ramalho, IGM

12.00 h Debate

12.45 h Apresentação do Documento-Base para o Património Científico Português
Ana Eiró, Museu de Ciência da Universidade de Lisboa

<http://19chem2007.mc.ul.pt>