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Joint Activities

International Research Network

History of Scientific Objects

MPIWG ORGANIZERS *Lorraine Daston, Jürgen Renn, Hans-Jörg Rheinberger*

Website: <http://scientificobjects.mpiwg-berlin.mpg.de>



Impressions of the Wandering Seminar
Fotos: Wandering Seminar
Collage: Jan Kaminski

The 2005 established International Research Network is dedicated to the material culture in the history of science and in particular to the investigation of the diverse functions and concepts of scientific objects.

The network is a cooperation of 22 members at 11 institutions in Europe and the U.S.A. It goes back to an initiative of the Max Planck Society to fund on an ad-hoc basis co-operations between Max Planck Institutes and other research institutions with the aim of accelerating development in new and exceptionally promising areas of investigations, and it was one of the first such networks to be approved.

Within the broad field of material culture the network members decided to address four principal foci: The emergence of new objects in scientific enquiry; the relationship between scientific artifacts (e.g. instruments) and technological systems; scientific things as historical evidence; the interaction among scientific things, images and texts.

On the founding meeting in 2005, four working groups were established to address these problems: Epistemic Objects; Images as Scientific Objects; Collections and Collecting; The Past of Science's Present and Future.

The principal aim of this collaboration is to promote an integrated interdisciplinary approach on the topic, involving junior and senior scholars in leading institutions worldwide.

Structurally the network aims not only at facilitating the exchange of scientific expertise and personnel, but more specifically at promoting and creating new formats of scientific exchange. To this end as a first project of the network the Wandering Seminar was launched, an intensive course on the theory and practice of the history of science as the history of objects taking place at various member "stations".

The network projects so far handled objects so diverse as oversize things, the working material of scientists and invisible epistemic objects such as the mathematical knot.

The network not only deals with the character of individual objects, but also with questions concerning the preservation, collection and representation of objects. To this end, the network aims at inspiring collaboration between scholars based at museums and academic historians of science. The network also promotes different kinds of publication, such as joint articles, mini-exhibitions and websites including filmed objects.

The MPIWG serves as the organizational base of the network. All three departments as well as the library and the IT-group are continuously involved in its projects. As part of its input into the network the Institute funds two two-year post-doc fellowships. Additionally, the MPIWG hosted workshops and meetings of the working groups. Claudio Pogliano stayed at the Institute as Visiting Scholar working on “The visual contagion in history of science”.

The member input varies and includes privileged access to collections as well as co-organization of events. The network is also supported by and welcomes cooperation partners on a project basis.

The Max Planck Society provided the network with basic funding for a five-year tenure. 2008 sees a General Meeting of network members in Berlin, on which the agenda for the 2nd half of the Network will be set.

Network Members

- *Prof. Günter Abel*, Technische Universität Berlin, Germany
- *Prof. Jochen Brüning*, Humboldt-Universität zu Berlin, Germany
- *Prof. Lorraine Daston*, MPIWG
- *Prof. John Forrester*, University of Cambridge, U.K.
- *Prof. Peter Galison*, Harvard University, U.S.A.
- *Prof. Paolo Galluzzi*, Institute and Museum for the History of Science, Florence, Italy
- *Prof. Michael Hagner*, ETH Zürich, Switzerland
- *Dr. Nick Hopwood*, University of Cambridge, U.K.
- *Prof. Friedrich Kittler*, Humboldt-Universität zu Berlin, Germany
- *Prof. Eberhard Knobloch*, Technische Universität Berlin, Germany
- *Prof. Wolfgang Krohn*, Universität Bielefeld, Germany
- *Prof. Peter Lipton(+)*, University of Cambridge, U.K.
- *Prof. Thomas Macho*, Humboldt-Universität zu Berlin, Germany
- *Prof. Everett Mendelsohn*, Harvard University, U.S.A.
- *Prof. Dominique Pestre*, Ecole des Hautes Etudes en Sciences Sociales, Paris, France
- *Prof. Claudio Pogliano*, Università di Pisa, Italy
- *Prof. Jürgen Renn*, MPIWG
- *Prof. Hans-Jörg Rheinberger*, MPIWG
- *Prof. Simon Schaffer*, University of Cambridge, U.K.
- *Dr. Christian Sichau*, Deutsches Museum, Munich, Germany
- *Prof. Jakob Tanner*, Universität Zürich, Switzerland
- *Prof. Helmuth Trischler*, Deutsches Museum, Munich, Germany
- *Prof. Peter Weingart*, Universität Bielefeld, Germany

History of Scientific Objects

Working Groups

The Past of Science's Present and Future

MEMBERS *Peter Galison* (Harvard University, U.S.A.), *Wolfgang Krohn* (Universität Bielefeld, Germany), *Dominique Pestre* (EHESS, Paris, France), *Simon Schaffer* (University of Cambridge, U.K.), *Peter Weingart* (Universität Bielefeld, Germany)

A notable strength of the Network lies in the realm of science and politics. Within the broader context of researching historical perspectives on Science, Society and the Political, a workshop on the *Relation of Politics to the History of Science*, organized by Peter Galison, Dominique Pestre and Simon Schaffer, took place at the Centre Alexandre Koyré in Paris on 22 June 2007. Points for discussion were a.o.: the shift between what has been called the “cold war physics bubble” and the apparent dominance of environmental—biotechnical sciences; the move toward a number-dominated form of evaluation of the sciences; the rise of a quantitative, neo-liberal system of assessment; Government secrecy and classification.

The next activity of this group will be a workshop on *Governance of and through science and numbers: notions, categories and tools* (s. below).

Images as Scientific Objects

MEMBERS *Lorraine Daston* (MPIWG), *Michael Hagner* (ETH Zürich, Switzerland), *Claudio Pogliano* (Università di Pisa, Italy), *Hans-Jörg Rheinberger* (MPIWG), *Renato Mazzolini* (Università di Trento, Italy)

In the last few years, historians of science, in collaboration with art historians, have carefully studied the technological, social and aesthetic dimensions of scientific drawings, photographs, diagrams, computer images etc. Still the material production of images deserves more research, as the aesthetic effects as well as the epistemic contents of an image depend crucially on the processes by which it is made. Another component that has been neglected hitherto is the question to what extent images and their production correspond to visual thinking as a mode of scientific reasoning.

The members came together in a founding meeting in August 2007 to discuss theoretical concepts of “image” and “visualization”. A first workshop on how to write the biography of a scientific image is planned for 2008.

Epistemic Objects

MEMBERS *Günter Abel* (Technische Universität Berlin, Germany), *Uljana Feest* (Technische Universität Berlin, Germany), *Thomas Macho* (Humboldt-Universität zu Berlin, Germany), *Jürgen Renn* (MPWIG), *Hans-Jörg Rheinberger* (MPIWG), *Claudio Roller* (Technische Universität Berlin, Germany)

In order to provide a common discussion ground for historians of science as well as historians of art and philosophers, the group started operating with a deliberately

broad notion of epistemic object. According to that, epistemic objects are the types of things that attract our epistemic curiosity. Within a scientific context, they are the fundamental objects of research, such as viruses, electrons, or brain mechanisms. Since its first meeting in August 2007, the members met several times to discuss general aspects of the topic and prepare a broader international exchange. The first research colloquium (s. below) will deal a. o. with the dynamics of epistemic objects as well as their relations to signs and modeling. A second colloquium on the concept of “challenging objects” is being planned. In addition, a reading group on classical texts on epistemic objects was formed.

Collectings and Collecting

MEMBERS *Paolo Galluzzi* (Institute and Museum for the History of Science, Florence, Italy), *Helmuth Trischler* (Deutsches Museum, Munich, Germany), *Christian Sichau* (Deutsches Museum, Munich, Germany), *Friedrich Kittler* (Humboldt-Universität zu Berlin).

In the period covered by this report the first project in the framework of this group is being planned: a conference on the *Exhibition as Product and Generator of Knowledge* (s. below.)

History of Scientific Objects

The Wandering Seminar

PARTICIPATING NETWORK MEMBERS *Lorraine Daston*, *Hans-Jörg Rheinberger*, *Jürgen Renn* (MPIWG); *Jochen Brüning* (Humboldt-Universität zu Berlin, Germany); *Paolo Galluzzi* (Institute and Museum for the History of Science, Florence, Italy); *Michael Hagner* (ETH Zürich, Switzerland), *Nick Hopwood*, *Simon Schaffer* (University of Cambridge, U.K.); *Eberhard Knobloch* (Technische Universität Berlin, Germany); *Dominique Pestre* (EHESS, Paris, France), *Claudio Pogliano* (Università di Pisa, Italy); *Christian Sichau*, *Helmuth Trischler* (Deutsches Museum, Munich, Germany)

COOPERATION PARTNERS *Thomas Söderquist* (Medical Museion Copenhagen, Denmark); *James Bennett*, (Museum of the History of Science, Oxford, U.K.); *Robert Bud*, *Peter Morris* (Science Museum London, U.K.); *Thomas Schnalke* (Medizin-historisches Museum Berlin, Germany); *Gottfried Böhm* (NCCR Iconic Criticism, Universität Basel, Switzerland); *Hans-Konrad Schmutz* (Naturmuseum Winterthur, Switzerland)

PARTICIPANTS *Gianenrico Bernasconi* (Humboldt-Universität zu Berlin, Germany), *Alison Boyle* (Science Museum London, U.K.), *Terje Brundtland* (University of Oxford, U.K.), *Jean Baptiste Fressoz* (EHESS Paris, France), *Jean Francois Gauvin* (Harvard University, U.S.A.), *Johannes Grave* (NCCR Basel, Switzerland), *Hanne Jessen* (Medical Museion, Copenhagen, Denmark), *Anna Märker* (MPIWG), *Daniela Monaldi* (Research Network Fellow, MPIWG), *Dario Moretta* (Università di Pisa, Italy), *Susanne Pickert* (MPIWG), *Nicholas Reeves* (University of Cambridge, U.K.),

Stefano Salvia (Università di Pisa, Italy), *Sophia Vackimes*, (Research Network Fellow, MPIWG), *Konstanze Weltersbach* (ETH Zürich, Switzerland)

With this project the Network established a new format of international academic exchange: For eight weeks, 15 junior scholars, pre-docs and post-docs from different disciplinary backgrounds, traveled the most prominent museums and academic institutions in the history of science of Europe. The idea to form a “mobile summer school” for



Showcase with 20 Butterflies,
Courtesy of the Humboldt-Universität
zu Berlin, Museum für Naturkunde,
Foto: Buddensieg

junior scholars working on the interface between museum and scientific research attracted cooperation partners Europe-wide. The program included talks to curators, lectures by historians of science and professional exhibition makers as well as visits to well known and unknown collections of the participating institutions. The seminar-ians experienced hands-on sessions in some of the leading collections of scientific objects in Europe, but also went “backstage” to storage rooms and cellars with science treasures and oddities. Museums and Institutions presented themselves as new sites for scientific inquiry while providing the seminar-ians with first hand information about the latest developments in the material culture of science.

The Berlin week of the Seminar was supported by presentations of various members of the Institute as well as by the Medical History Museum and the Natural History Museum, Berlin.

2007 saw the presentation of the Seminar’s results in three different follow-up projects: the Wandering Seminar Website, a final Workshop, and an Exhibition displayed in the foyer of the MPIWG in August 2007.

Projects 2007

WS Exhibition

Objects in Transition

Exhibition, August 16–September 2, 2007, MPIWG

ORGANIZERS *Anna Märker* (MPIWG), *Susanne Pickert* (MPIWG), *Gianenrico Bernasconi* (Humboldt-Universität zu Berlin, Germany)

The central idea of this exhibition was that scientific objects are locally and historically context-dependent. Not only can scientific attention transform everyday things into scientific techniques and tools, but some material objects have to be transformed to become visible or presentable. Objects in transition illuminated the biographies of various objects: from everyday life into the spotlight of scientific curiosity, from specimen to souvenir, from model to toy and combined objects as varied as the eye



Goggles, late 20th century, by Pulsafe.
Legacy of W. Brian Harland, Geologist.
Plastic, 17x 10 x 6 cm, Wh. 6117. Courtesy
of the Whipple Museum of the History of
Science, Cambridge, Great Britain.

of a whale and treasure from the estate of geologist Brian Harland. The exhibition makers found cooperation partners in various institutions, such as the Whipple Museum, Cambridge, and the Museum of Natural History, Berlin. The catalogue *Objects in Transition* is available in 2nd edition.

WS Workshop

Wandering Seminar on Scientific Objects

Workshop, 16–18 August 2007, MPIWG

ORGANIZERS *Sophia Vackimes* (MPIWG), *Konstanze Weltersbach* (ETH Zürich, Switzerland)

One year after they toured Europe, the participants of the Wandering Seminar presented their conclusions and questions on the concept of scientific objects.

The participants compared and questioned master narratives presented in science and technology museums, discussed the reconstruction of historical experiments and presented examples for the emergence, transformation and aesthetics of scientific objects.

The proceedings of this workshop were published as MP preprint.

WS Website

[<http://scientificobjects.mpiwg-berlin.mpg.de/scientificobjects/home/Wandering-Seminar.html>]

ORGANIZERS *Hanne Jessen* (Medical Museion, Copenhagen, Denmark), *Daniela Monaldi* (MPIWG), *Dario Moretta* (Università di Pisa, Italy), *Stefano Salvia* (Università di Pisa, Italy), in cooperation with *Jan Kaminski* and the MPIWG IT-group.

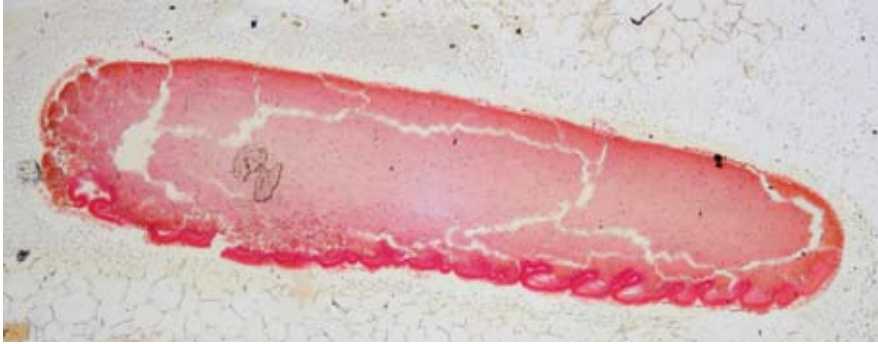
What makes an object scientific? The virtual representation of what the participants called a “shared essay in the form of the Grand Tour” is especially dedicated to stimulate the discussion on the questions with which the seminarians went on tour. The visitor can leaf through the pages of a virtual travel journal and is invited to join the discussion forum on selected scientific objects, such as Einstein’s blackboard or a plush penguin at the Scott Polar Institute.

Microscope Slides: Reassessing a neglected historical resource

[<http://scientificobjects.mpiwg-berlin.mpg.de/scientificobjects/Slides>]

Workshop, 20–23 September 2007, MPIWG

ORGANIZERS *Ilana Löwy* (CERMES, Paris, France), *Nick Hopwood* (University of Cambridge, U.K.); in collaboration with the Medizinhistorisches Museum, Berlin, the Museum für Naturkunde Berlin and the Humboldt-Universität zu Berlin, Dept. of Zoology.



19th Century Microscopic slide of a *Hydrophilus piceus* made by the Zoologist Karl Heider, courtesy of Humboldt University of Berlin, Zoological Teaching Collection

As a first step towards a “slides-network”, the workshop explored the preparation, uses and exchange of microscopic slides in different disciplines; it also questioned the links between slides and other objects such as models and 3D-images. The program included hands-on session in several historical scientific slide collections in Berlin. As turned out, microscopic slides, often regarded as relicts of laboratory work, deserve renewed scientific interest due to their status as “intermediary objects”, on the boundary between the raw material and a finite scientific result. A jointly written article will be published in *Isis*. A follow-up workshop is planned for 2009, in cooperation with the Institute Pasteur in Paris.

A website for the project, Slides in Context, is in the making: it will present microscope slides as challenging objects and highlight the multifaceted relations between slides and other scientific objects such as models or drawings.

Post-Doc Projects

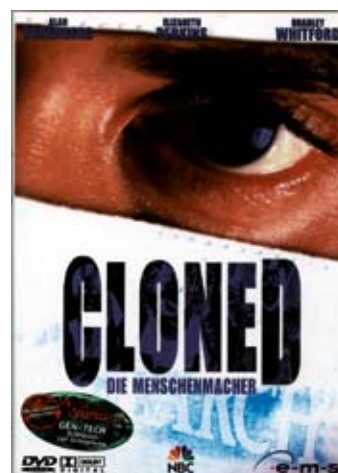
With her project on the artistic representation of genetically altered bodies Sophia Vackimes was working with Dept. II and III; Daniela Monaldi’s investigation of the Bose-Einstein Condensates is part of the Quantum Physics Project of Dept. I. Both fellows took part in the Wandering Seminar in 2006 and co-organized its follow-up events in 2007.

Sophia Vackimes

The Aesthetics of Genetic Engineering

The project considers in what measure cinema affects the public understanding of science, especially discussions on genetics and cloning. Its purpose is to understand how films act as rich depositories of information but not to argue whether or not films are not legitimate sources of scientific information or validation of scientific work. It does not argue whether or not films should be made under the strict supervision of scientific committees or whether or not they should seek the approval of scientific groups, as was the case with *Gattaca*, or whether or not they should hire consultants to verify the verisimilitude of scientific content. Rather, it seeks to comprehend the role that cinema has as cultural educator.

CD cover for *Cloned*, a television film directed by Douglas Barr and released in 1988; itself cloned and turned into *Godsend*, directed by Richard Wells, and released in 2004 in a cinematic version



Daniela Monaldi

Bose-Einstein Condensates

Daniela Monaldi examined the emergence of atomic Bose-Einstein condensates, a new kind of material objects predicted in 1924 by Einstein and produced for the first time in a physics laboratory at ultra-cold temperatures in 1995.

Atomic Bose-Einstein condensates are striking instances of the intersection of historicity and materiality. D. M. examined their coming into being as epistemic things and as material objects, as a case study on the historical evolution of the form of scientific inquiry that deploys laboratory artefacts to elucidate the laws of nature.

Upcoming Projects for 2008:

Invisible Seminar

Workshop, 7 March 2008, MPIWG

ORGANIZERS *Claudio Pogliano* (Università di Pisa, Italy), *Renato Mazzolini* (Università di Trento, Italy), *Michael Hagner* (ETH Zürich, Switzerland)

Despite the large amount of studies on scientific images published over the last decades, there is still no consensus about which questions and methods historians of science should apply to the investigation of visual records.

The first workshop of the Working Group “Images as Scientific Objects” will bring together ten junior scholars to write the biography of “scientific images that made a career”. The articles will be published in *Nuncius* 2, 2009.

Epistemic Objects

Research Colloquium, 16–17 May 2008, Technical University, Berlin, Germany

ORGANIZERS *Hans-Jörg Rheinberger* (MPIWG), *Günter Abel*, *Uljana Feest*, *Claudio Roller* (Technische Universität Berlin, Germany)

The first Research Colloquium of the Working Group aims at the elucidation of (1) the internal relations between linguistic as well as non-linguistic signs and epistemic objects, (2) the relation between modeling and epistemic objects, (3) the temporal dynamics of epistemic objects, and (4) the relations between epistemic objects and scientific experience. It is organized in cooperation with the Technical University, Berlin.

Structures of a *Holascus Robustus*,
Microscopic photo, courtesy of Humboldt
University of Berlin, Zoological Teaching
Collection



Governance of and through Science and Numbers: Notions, Categories and Tools

Workshop, 26–27 May 2008, Paris, France

ORGANIZERS *Dominique Pestre* (EHESS, Paris, France) and *Peter Weingart* (Universität Bielefeld, Germany)

This open discussion workshop is set up to document the forms of governance of and through science that recently developed. The concepts and categories to be analyzed include: knowledge society, civil society, risk society ... but also robust knowledge, lay knowledge, users, consumers etc. Categories to be confronted would be governance, transparency, responsibility, sustainability; the tools include constant evaluation, audits of all forms, soft law, benchmarking, and quality management. The working group aims at building political and social *genealogies* of these concepts and tools, to consider where they come from, who promoted them, how they are/were concretely put into use, how they transform/ed social practices.

Seriality and Scientific Objects in an Age of Revolution, 1780–1848

Workshop, 16–17 June 2008, University of Cambridge, U.K.

ORGANIZERS *Nick Hopwood*, *Simon Schaffer* and *Jim Secord* (University of Cambridge, U.K.)

The workshop will focus on series as objects of scientific study and the technologies that made these objects visible. It will be co-sponsored by the University of Cambridge and the Network.

The Exhibition as Product and Generator of Scholarship

Conference, 27–28 November, 2008, Deutsches Museum, Munich, Germany

ORGANIZERS *Susanne Pickert*, *Christian Sichau*, *Helmuth Trischler* (Deutsches Museum Munich, Germany)

Exhibitions do more than merely visualize the results of research. They have the potential of stimulating scholarship and generating knowledge by posing new research questions. The Conference investigates the Exhibition not only as publication medium for a wider audience, but as forum to exchange scientific expertise. It is co-financed by the Network and the Deutsches Museum.

Upcoming Conference

What (Good) Is Historical Epistemology?

Max Planck Institute for the History of Science, Berlin, July 24–26, 2008

ORGANIZERS *Thomas Sturm* (Max Planck Institute for the History of Science)
Uljana Feest (Technische Universität, Berlin)

Theodore Arabatzis (Athens), *Peter Barker* (Norman, Oklahoma), *Jean-Francois Braunstein* (Paris), *Wolfgang Carl* (Göttingen), *Hasok Chang* (London), *Lorraine Daston* (Berlin), *Antonio Diéguez Lucena* (Malaga), *Uljana Feest* (Berlin), *Michael Friedman* (Stanford, Ca.), *Daniel Garber* (Princeton), *Michael Heidelberger* (Tübingen), *Paul Hoyningen-Huene* (Hannover), *Philip Kitcher* (New York), *Martin Kusch* (Cambridge, U.K.), *Chrysostomos Mantzavinos* (Witten), *Sandy Mitchell* (Pittsburgh, Pa.), *M. Norton Wise* (Los Angeles), *Jürgen Renn* (Berlin), *Hans-Jörg Rheinberger* (Berlin), *Robert J. Richards* (Chicago), *Margaret Schabas* (Vancouver), *Jutta Schickore* (Bloomington, In.), *P. Kyle Stanford* (Irvine, Ca.), *Barry Stroud* (Berkeley), *Thomas Sturm* (Berlin), *Mary Tiles* (Manoa, Hawaii), *Marcel Weber* (Basel), *Catherine Wilson* (New York)

The central purpose of epistemology, as traditionally understood, is to identify and justify the epistemic basis of knowledge, including scientific knowledge. While epistemology in this sense is one of the strongest branches of contemporary philosophy, its universalizing approach has been criticized in various ways. In particular, it has been suggested that knowledge is always situated in a context (biological, social, historical, material) and that epistemology cannot afford to ignore the features of this context. In this vein, recent decades have seen the emergence of naturalized, social, or feminist epistemologies.

One particular kind of challenge to traditional epistemology has been named “historical epistemology”. Contrary to the other “alternative” epistemologies just mentioned, however, it is not widely known or discussed by contemporary philosophers, but has in recent years been appealed to mostly by historians of science. As it stands, there are various possible conceptions of historical epistemology:

- First, historical epistemology may be viewed as a branch of the *history of science*, namely one that looks at (a) the histories of epistemic *concepts* (e. g., observation, rationality, probability) or (b) the histories of the *objects* of scientific inquiry (e. g., heredity, life, gravity) or (c) the *dynamics* of scientific developments, as they can be extracted from an analysis of scientific texts or practices. Typically, proponents of such an approach favor a strong contextualization of scientific knowledge and its development, say, by studying the social and cognitive background and the material and experimental practices of science at different times and places.

- Secondly, historical epistemology may be pursued as a *philosophical project*, namely by thoroughly historicizing epistemology. It starts from the assumption that the standards and forms of what can count as knowledge have histories, which interact with various kinds of knowledge, most especially scientific knowledge. Such a project may then take at least two different directions: (1) One might claim that current epistemological questions and the standard philosophical methods of answering them are only historically relative, and no more valid than those of other times and places. (2) Or one might reject the assumption that to historicize is to relativize, and instead unsettle current epistemological questions and methods by exploring, in a serious historical vein, earlier alternatives in their own philosophical and scientific frameworks.

All of these construals of historical epistemology are faced with challenges. For example, even if its aim is “merely” historical, the choices of concepts, objects, and dynamics under study give rise to *historiographical* puzzles not only about the status and identity conditions of objects and concepts over time, but also regarding the methods by which historical developments are best to be studied. What, then, is the relationship (if any) between historical epistemology and the methodological turns towards the practices and material cultures of science? Furthermore, from the perspective of the *history and philosophy of science*, it may be asked what contributions historical epistemology has to make towards a genuinely philosophically informed history of science and/or to a genuinely historically informed philosophy of science. *Historians of philosophy*, again, have already for a while accepted the historicity of epistemological questions and their dependence upon past science. They also often acknowledge the possibility of replacing or reforming currently dominant questions in epistemology by looking at their history. Does historical epistemology offer any additional insights to such developments within the history of epistemology? Last but not least, *philosophical epistemologists* might object that the goal of identifying and justifying the epistemic basis of knowledge most likely cannot be achieved by asking historical questions about past science. Can a case be made that historical epistemology is a philosophically sophisticated project?

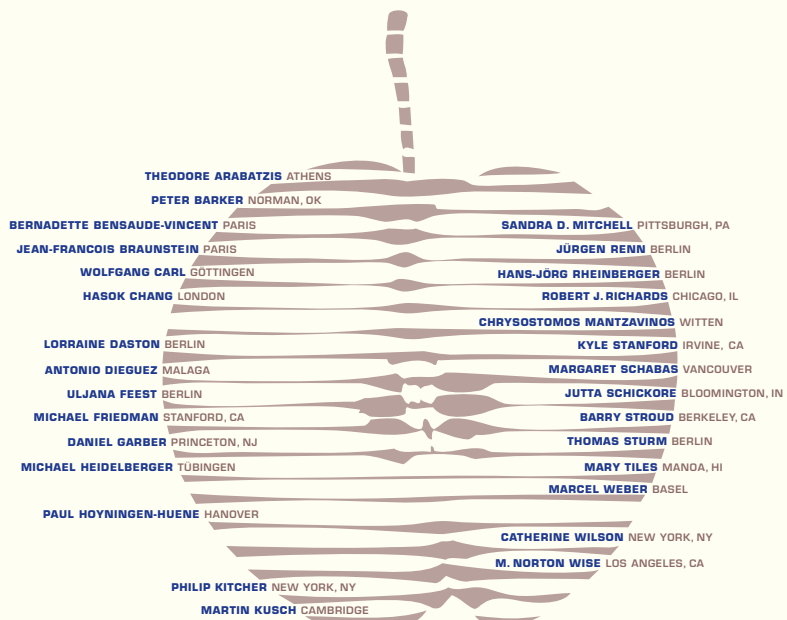
In these and other ways, the notion of historical epistemology brings to the fore a variety of debates that are located at the interface between philosophy and the history of science. The basic goal of the conference is to improve these debates by making more precise, and put to the test, different versions of historical epistemology. It will be structured, on the one hand, around specific themes from recent writings in historical epistemology—epistemic concepts, practices, and objects, and the dynamics that shape scientific research. On the other hand, the conference will also move to the level of both historical and philosophical reflection by asking: What kind of historical enterprise is historical epistemology? What are its basic assumptions, and what are their rationales? Moreover, in what sense is such a focus on epistemic categories and practices itself a form of epistemology? Can and should epistemology be done in this way?

Format of the Conference

The conference is structured along the following four themes:

- 1 Epistemic concepts and practices (e. g., observation, experiment, explanation)
- 2 Epistemic objects (e. g., temperature, viruses, brain function)
- 3 The dynamics of scientific research (e. g., cognitive modeling of scientific change)
- 4 Reflections about historiography and epistemology (what does historical epistemology teach us about the history of science, what does it teach us about epistemology?)

International Conference, Max Planck Institute for the History of Science Berlin July 24–26, 2008



WHAT (GOOD) IS HISTORICAL EPISTEMOLOGY?

Epistemology traditionally seeks to identify principles for the evaluation of knowledge claims, while the history of science has as one of its aims the investigation of the contexts of knowledge production. A recent alternative beyond this divide, appealed to mostly by historians of science, has been named "historical epistemology". This project raises two basic questions: What kind of historical enterprise is historical epistemology? Conversely, in what sense is it a form of epistemology? These questions will be addressed at the conference, which is structured around issues of (1) epistemic concepts and practices, (2) epistemic objects, and (3) the dynamics of scientific research.

Organizers: Thomas Sturm Max Planck Institute for the History of Science Uljana Feest Technische Universität Berlin
Participation is free, but space is limited. Please register with tsturm@mpiwg-berlin.mpg.de

Max-Planck-Institut für Wissenschaftsgeschichte, Boltzmannstraße 22, 14195 Berlin (U-Bahnhof: Thielplatz), www.mpiwg-berlin.mpg.de

Design: Hippolyte Berni

International Center for the History of Knowledge in Berlin

The cooperation between the Berlin Universities and the MPIWG has led to a formal cooperation agreement between the Max Planck Society, the Free University, and the Humboldt University; a comparable cooperation agreement with the Technical University is in preparation. As one of its first tasks, the scientific board of this project has outlined the following main goals and structural features of an International Center for the History of Knowledge in Berlin in the near future.

With its three universities, the Free University, the Humboldt University and the Technical University, as well as the Max Planck Institute for the History of Science, the city of Berlin harbors great potential for setting up an interuniversity internationally oriented center. This is the purpose of the cooperation agreement signed last year by the MPG, the FU and the HU in Berlin. For its part, the MPIWG is planning to establish two independent groups of junior scholars; the Humboldt University will add a tenure-track assistant professorship to its existing chair for the history of science; and the Free University is planning to set up a chair for the History of Science. In short, the history of science field will undergo significant staff expansion in Berlin. A comparable cooperation agreement is being pursued with the TU Berlin, which has begun setting up a field emphasizing research on cognition and knowledge; we hope to realize this agreement in 2008.

At present the humanities, and especially the smaller disciplines, are facing the challenge of repositioning themselves in a dynamic science landscape undergoing great change. The intersection between the subjects of the humanities and those of the natural and human sciences plays a particularly important role in this process. A prominent role pertains to the history of science, which is particularly suited to the role of serving as an interface between disciplines. In a sense, its core conception is interdisciplinary: thematically oriented toward understanding the development of the sciences, and especially—but not only—of the natural sciences, at the same time its methodology is anchored firmly in the historical sciences.

According to the results of a first discussion in the Advisory Board, the tasks of an International Center for the History of Knowledge can be described as follows.

Research

From the perspective of a historical epistemology, the history of science first of all can offer opportunities for reflection that allow interdisciplinary dialog to be directed toward a comprehensive cultural history of knowledge, rather than restricting it to purely pragmatic collaborations. If our current and future societies increasingly understand themselves to be knowledge societies, their conception of themselves

must be able to draw on a comprehensive cultural history of knowledge, and this history must undergo constant further development. Working to advance this development should be one of the core tasks of the center.

We see a further core task of an International Center for the History of Knowledge in the intensive cultivation and promotion of relations between the natural sciences on the one hand, and the humanities and social sciences on the other. Today such a dialog is demanded everywhere, but imperative for it to be conducted effectively are institutional structures that are not only stable, but also flexible. The center is to serve as a forum for this dialog, taking on the task of trying out new forms of confrontation between the various cultures of knowledge and conducting them with the commensurate perseverance.

A third task of the Center for the History of Knowledge in Berlin consists in networking the various historically oriented humanities and social sciences as broadly and effectively as possible. Even now, the Max Planck Institute for the History of Science offers work opportunities to scientists who concern themselves with the history of knowledge from a wide variety of backgrounds: art history and the history of literature, music history and even the history of architecture and technology. All of these areas have myriad connections with the historical development of knowledge and the sciences and, accordingly, their research efforts should also refer to each other and to such a history of knowledge.

Teaching

A Center for the History of Knowledge in Berlin could be a place to coordinate teaching, above all research-oriented teaching. For this the MPIWG would like to respond to the needs of the university partners by focusing the as yet scattered teaching activities of its staff. The teaching at issue here takes place not only in the humanities, but also in the natural sciences. MPIWG staff already offer a course (lecture and seminar) as part of the new Master's program for Biology at the FU Berlin. Yet another objective is to make Berlin an attractive location for foreign doctoral students in the history of science. This could pick up on graduate programs and schools that already exist or are being established now, but could also be expanded in the future by setting up an International Max Planck Research School, as part of the envisioned cooperation with the TU Berlin.

Expanding Cooperation Projects

At the current stage, the Scientific Advisory Board anchored in the cooperation agreement among the FU, HU and MPG appears to be a body well suited to organizing the center. Thanks to the participation of regular guests, further important cooperation partners are already represented such as the Prussian Cultural Heritage Foundation, the Center for Human and Health Sciences of the Charité Hospital, and the new In-

stitute of integrated Life Sciences at the Humboldt University which is in the process of being set up.

Infrastructure

The Center for the History of Knowledge is to feature an international guest program, which will include not only established academics, but also doctoral and postdoctoral scholars. This could make an ideal contribution to expanding the history of science research activities of the participating institutions, and to networking them, in particular with the international community of science historians. A guest program of this kind should also be accompanied by an attractive program of events at the center, tailored for the students of all three universities.

Finally, the International Center for the History of Knowledge will be able to fulfill its tasks, and just as important, to establish an internationally visible profile and identity, only with a coordinating office and premises of its own. This goal already seems realistic thanks to Berlin's current endeavors to encourage collaboration between the universities and non-university research institutions. The question as to where these premises should be set up is a matter for further discussion.

Knowledge Management

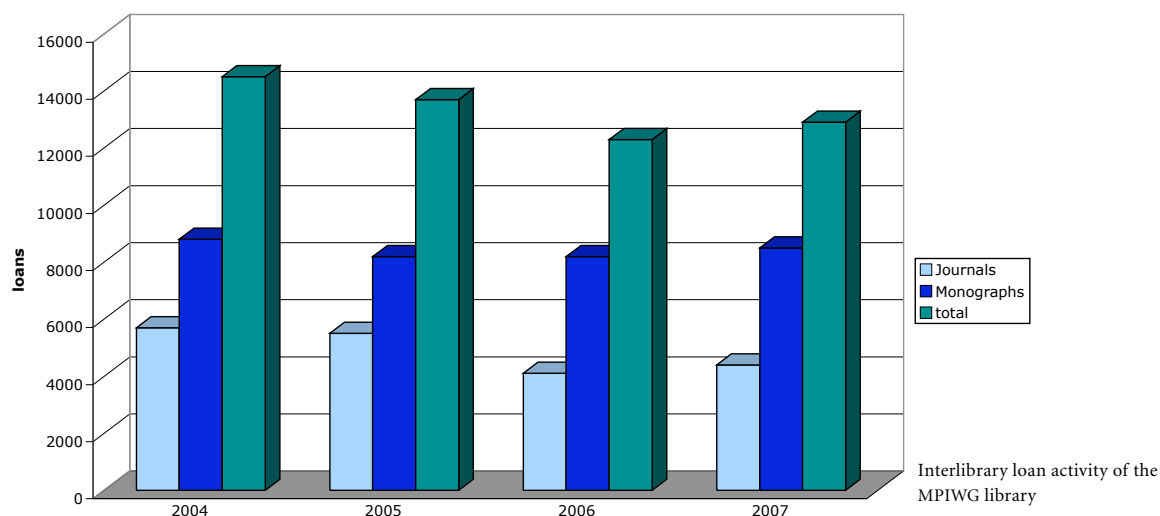
Robert Casties (Head of Library from April 2007 to Mai 2008), *Urs Schoepflin* (Head of Library), *Dirk Wintergrün* (Head of IT until April 2007 and from Mai 2008)

The Library and the Information Technology Unit (IT) aim to provide optimal access to both electronic and print resources. Their mission is to provide the best possible information services to the research groups of the Institute. They aim to construct an effective infrastructure for research in the history of science by exploiting the potential of new media for scholarly work and for disseminating research results.

To meet the evolving needs of the existing research groups at the Institute and to integrate new groups, particular attention was given to four specific activity areas: (1) the development of the digital research library including the digitization services and the enhancement of content provision by the acquisition of archival materials, (2) the implementation of the common IT-infrastructure for publication and research, (3) the support of the publication and dissemination of research results by a copyright clearing service and additional publication aids including information on the Max Planck Society's open access policy and the corresponding eDoc server as central repository, and (4) the development of new web sites for research projects and innovative tools.

The Library's collections and services

The Library has greatly benefited from the move to the new Institute's building in 2006. For the first time the collections could be consolidated and adequately presented together with optimized access to services and to reading space. The Library collections currently hold 60,000 volumes in print and over 25,000 historic works and materials in microform. Original archival resources contain some 10,000 items including mainly papers of physicists of the first half of the 20th century (Gehrke collection, Rupp correspondence, Einstein letters), the majority of which have been made available in digital form. Access to electronic resources has been substantially enhanced to include over 30,000 electronic journals and more than 100 full text and reference databases, largely as a result of the basic information provision of the MPG and of the National Licensing Program of the German Research Foundation. Complementing these resources, the interlibrary loan service has been in high demand and has attained a level of up to 14,000 loans p. a. Complementing the available holdings, this particular service priority of the Library allows for rapid document delivery providing books and articles from a wide network of national and international research libraries within days of a scholar's request and responding flexibly to new thematic user needs. Thus, the Library represents a central node of an information network, bringing flexibly together information of a wide range of relevant sources and making them available to the scholars at the Institute and at its future collaborative research centers.



A common infrastructure for the Institute's web activities

The majority of electronic projects are now based on a common open source infrastructure which was developed within the framework of the ECHO initiative (European Cultural Heritage Online). This infrastructure integrates major research projects of the MPIWG, in particular the Virtual Laboratory (see Department 3) and the extensive collection of sources provided by the ECHO Project (see Department 1) and the Archimedes Project (see Department 1) as well as the digital collections of the Institute's library. Extensive work has been invested in new forms of representing knowledge in the form of virtual exhibitions in collaboration with Department 1.

Based on the integrative infrastructure, the Institute offers one of the largest research-related web sites within the Max Planck Society. The procedures developed in order to maintain this service have become a model for the design of the MPG-wide platform for scholarly work in the humanities (Scholarly Workbench) in the framework of the eSciDoc Project, a project financed by the Federal Ministry of Research and Education and jointly realized by the MPG and the FIZ Karlsruhe and in which the MPIWG is a direct cooperation partner. This cooperation is part of the eSciDoc Project's concept to take up, generalize and maintain the successful research driven developments from individual institutes as a long term service to the scholarly community, a role which goes beyond the MPG Institutes' individual missions.

Digital Research Library and enhanced access to content

The Library and the IT have together developed a special program for digitizing and presenting sources in the history of science in high quality color facsimiles from the Library's rare books collection and in grey scale images from the microform archive.

All digitized materials are made available in a web-based Digital Research Library. The program includes the establishment of a special digitization group within the Library which is equipped and qualified to digitize material on a high professional standard at a rate of 500,000 pages p. a. The workflow comprises procedures to upload the resulting images to the online presentation environment of the Digital Research Library and to securely archive the master files. The service is designed to flexibly react to new demands in the short term. The program is working closely with the research groups at the Institute who present their research on the Internet and who can immediately integrate the digitized sources in their presentation (ECHO Project, Archimedes Project, Virtual Laboratory, Epistemic History of Architecture, History of Mechanical Knowledge in China, Jesuit Sciences, Early Modern Engineering Drawings, Vision Project, History of Quantum Mechanics Project, Pratolino Project).

The Library has continued to acquire and make available archival materials as major new research resources and thus represents an innovative model on how to make archival materials immediately accessible to the research groups at the Institute and their international cooperation partners as well as to a larger scholarly public in the context of the Virtual Einstein Exhibition. The acquisition and continued digitization of the complete microfilms of the Archive for the History of Quantum Physics has for the first time allowed for web-based finding aids and for full electronic access to the material of the archive. It constitutes a decisive scholarly resource for the newly established international project group on the history of quantum mechanics.

The expansion of the scope of the Digital Research Library is continued by establishing a workflow of primary text acquisition and XML structuring to support structured XML annotations and lexical analyses performed on historical texts e.g. on mechanics. This expansion was in part made possible by additional funding from the special Library Program of the MPG aimed at innovative projects to enhance information provision at the institutes of the Humanities Section, for which the Library has successfully applied.

Modularity in exploiting new technologies to enhance research

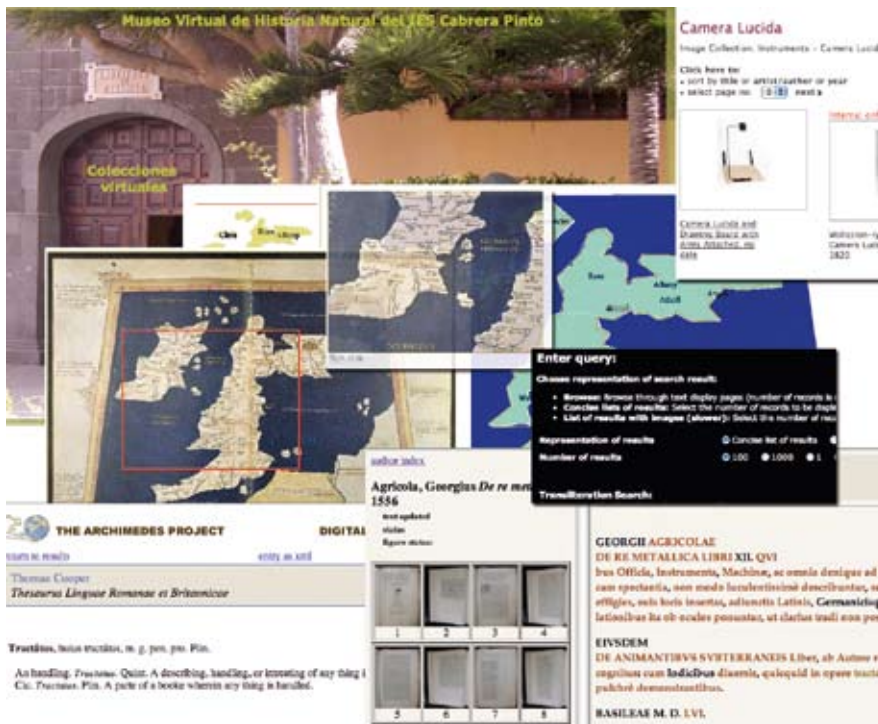
The examples of the existing projects show that the demand for electronic tools and methods to enhance research is rapidly increasing. These demands can only be met by adhering to the strategy of building a flexible and modular infrastructure, whose building blocks can be individually combined to serve a wide range of diverse purposes.

Ever since the establishment of the IT group, the focus of the joint work of IT and Library has been on the development of tools for publishing primary sources and providing semantic access to these resources. These resources cover a broad variety of media types, from full texts in XML to audio tapes and videos. Several research web sites—jointly maintained by the projects and IT—give access to material relevant to the scholarly projects. These websites can only be successful if they can be maintained and extended to a large extent by the research groups to create up to date representations of their research. Therefore a standard set of modules is provided, which can

be flexibly combined to form new thematic web sites with only little additional work and a minimum of training for the scholars involved. The developed modules provide (1) an easy workflow to add new digitized material to the digital library, (2) a highly flexible image viewing environment, (3) a web based environment for the creation of electronic collections, (4) natural language technologies for the analysis of text written in a broad variety of languages, (5) an interface for integration of databases, and (6) tools for the design of textual and graphical navigation environments.

An additional new activity is the development of the OpenMind Project—a framework for generating and storing building blocks of knowledge and flexible networks of associations. OpenMind is intended to provide an alternative method of storing and processing data which is normally kept in relational databases. The database of the Islamic Scientific Manuscript Initiative (see Department 2) is a first test case for this new kind of work with scholarly data. The project also serves as a prototype to show how new representations of scholarly data leads to the generation of new networks of knowledge by extending the traditional concepts of a relational database.

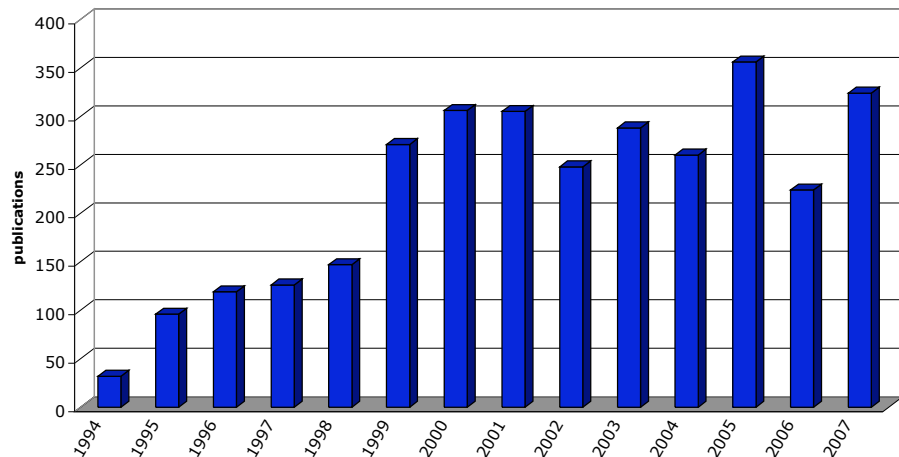
The use of geographical information to show the spatial connectivity and transition of knowledge becomes more and more important in different research projects of the institute, in particular in the work of the Independent Research Group led by Dagmar Schäfer (see p. 161) as well as in the Research Network (see p. 189), the Globalization Project (see p. 54) and the VLP (see p. 128). The first prototypes showing the potential of visualization techniques of geographical data have been developed and will be extended to form more general tools.



Support of the scholarly publication and alternative dissemination process

To give our authors adequate support in dealing with copyright issues, transfer agreements and publisher contracts, the Library has established a copyright clearing service and offers advice to authors on publisher contracts and copyright transfer agreements.

Publication activity of scholars at the MPIWG



Following the Open Access policy adopted by the Max Planck Society to make available as many research results on the Internet as possible, the Library is responsible for uploading the Institute’s bibliography and publication output (metadata and documents) to the MPG’s central electronic repository for the documented research output of all institutes, the eDoc server. On this server, the searchable bibliographic data and—depending on the individual authors’ agreements—the full text of the research results, presentations etc. are made available for either internal or open use.

To increase the acceptance of electronic publications particularly in the humanities, the alternative publication process has to be as easy as possible and the added value has to be immediate for the researcher. Therefore, the tools to publish comprehensive documents comparable to a classical monograph will have to be improved and the possibility to set stable links to sources are on the agenda. One of the main perspectives for future developments at the Institute is the integration of the publications tools into an environment available at every work place, accompanied by improved access tools to existing electronic resources and environments for collaborative work.

Web sites of the Institute

Web presentations have become an integrated part of research in different projects. These research web sites are jointly maintained by the researchers and the IT group, the sites give access to material relevant to their research interests and are part of their dissemination strategies of research results. Currently, 11 research sites are available

online: The Virtual Laboratory (VLP), European Cultural Heritage Online (ECHO), History and Foundation of Quantum Physics, Virtual Einstein Exhibition, Cuneiform Digital Library Initiative (CDLI), The Archimedes Project, Database of Mechanical Drawings, Islamic Scientific Manuscript Initiative (ISMI), Drawing with Optical Instruments (Vision), Research Network “History of Scientific Objects”, Knowledge in the Making, The Virtual Einstein Exhibition in Pavia, “Wunderforschung”, Max Planck Exhibition, History of Science in a Garden (Pratolino).

Parallel to the development of research oriented sites, the main web site of the Institute was completely redesigned. It offers now a comprehensive description of all current research projects at the Institute. The content of the project descriptions, of the personal home pages, and of the conference pages can be updated by the scholars themselves through a specially developed web interface. Conference papers can be exchanged among participants as part of a collaborative working environment currently under development.

The institute provides on its external and internal web sites in total approx. 2,000,000 digital items, i. e. images, movies, full text and database entries.

Collaboration and outreach

The Library and the IT were involved in several collaborative projects. The foremost two aims of cooperating with research and cultural institutions is on the one hand the sharing of rare and manuscript materials to enhance access to these resources for research purposes and on the other hand transfer of skills by sharing the expertise in maintaining digital projects to make these resources available on the internet. At MPG level, the ongoing cooperation with both the Bibliotheca Hertziana and with the Art History Institute in Florence is particularly relevant in these respects. Other important international cooperative projects include the MPIWG’s partner group at the Institute for the History Natural Sciences at the Chinese Academy of the Sciences in Beijing, for which the Library provides expert advice and basic training.

Possible new collaborations were explored in the framework of a delegation of the Humanities Section of the MPG and of the Library visiting Ulan Bataar (Mongolia), where contacts with institutions holding cultural heritage led to a proposal of a Mongolian Competence Center for Digitizing Cultural Heritage supported by the Max Planck Society.

Finally, the Library and the IT were actively involved in discussions on the concept of the newly-founded Max Planck Digital Library (MPDL), which is to consolidate the central information management services of the MPG and host the eSciDoc infrastructure project, to which the MPIWG information services provided by the Library and the IT form a model counterpart at the level of the MPG Institutes. The strategic cooperation with the MPDL will provide the necessary support for further generalizing and maintaining the services developed at the Institute, integrate new services and secure long term availability and archiving of the scholarly results in a reliable environment so crucial to research.

Overviews

Research Scholars

Beurton, Peter (Dr. rer. nat. 1973 [biology], Dipl. 1977 [philosophy] Humboldt-Universität zu Berlin, habil. phil. 1987 [philosophy] Universität Potsdam), at the Institute since September 1994, associated scholar since April 2006. Area of work: Research strategies in biological evolutionary theory; modern darwinism and the philosophy of science.

Bigg, Charlotte (Ph. D. 2002 [history and philosophy of science] University of Cambridge), at the Institute as research scholar since July 2005. Area of work: Social and cultural history of the physical sciences (physics, chemistry, astronomy) in the 19th and 20th centuries, especially the history of optical instrumentation.

Bödeker, Hans Erich (Dr. phil 1983 [history], Ruhr Universität Bochum), at the Max-Planck-Institut für Geschichte, Göttingen, since October 1977; at the Institute for the History of Science since December 2006. Area of work: History of cultural practices (reading, writing, travelling, appropriation of music, sociability etc.) in the early modern period, history of the emergence of the social sciences (17th–19th centuries), historical semantics.

Bödeker, Katja (Dipl. 1998 [psychology], Dr. [psychology] Freie Universität Berlin 2004), at the Institute from November 1999 to December 2006. Area of work: Intuitive physics, cognitive anthropology, cognitive models of science.

Brandt, Christina (Dr. rer. nat. 2002 [history of science] Technische Universität Braunschweig), at the Institute as research scholar since June 2003, research group leader since February 2006. Area of work: Reproduction in biology configurations between science and culture, 1900–2000.

Büttner, Jochen (Dipl. 1987 [physics] Freie Universität Berlin) at the Institute since 1998. Area of work: History of early modern mechanics.

Caraffa, Costanza (Laurea 1992 [architecture] Politecnico di Milano, Dr. phil. 2003 [art history] Freie Universität Berlin), at the Institute from October 2006 to February 2007. Area of work: History of architecture and history of early modern urbanism in Italy and Europe; Domenico Fontana, fortuna critica; photography as a medium of research in art and cultural history.

Castagnetti, Giuseppe ([philosophy and history] University of Milano), at the Institute from October 1997 to September 2002 and since April 2003. Area of work: History of institutions of physics in the 20th century; history of quantum physics.

Casties, Robert (Dipl. 1998 [physics] Universität Hamburg, Dr. phil. nat. 2002 [history and philosophy of science] Universität Bern), at the Institute since January 2002. Area of work: Information technology project.

Dahl, Jacob Lebovitch (Ph.D. 2003 [Near Eastern Languages and Cultures] University of California, Los Angeles), at the Institute since October 2005. Area of work: Invention and early spread of writing; social history in early Mesopotamian societies; edition of Cuneiform texts in Syrian and French collections; research within the framework of the Cuneiform Digital Library Initiative.

Damerow, Peter (Dr. 1977 [mathematics] Universität Bielefeld, habil. 1994 [philosophy] Universität Konstanz), at the Institute since January 1997, associated scholar since January 2006. Area of work: History of science and education; individual and historical development of cognition; genesis of writing and arithmetic; history of mathematics and physics in ancient and early modern period. Einstein exhibition project.

Daston, Lorraine (A.B. 1973 Harvard University, Dipl. 1974 University of Cambridge, Ph.D. 1979 [history of science] Harvard University), at the Institute since July 1995. Area of work: History of probability theory and statistics; history of scientific objectivity; attention and observation in natural history, 16th–19th cs.

Dierig, Sven (Dipl. 1990 [biology], Dr. rer. nat 1995 [neurobiology] Universität Konstanz, habil. 2005 [history of science] Technische Universität Berlin), at the Institute from July 1997 to March 2006. Area of work: Urbanization, industrialization, and the place of experiment in 19th century physiology; the virtual laboratory.

Feest, Uljana (M.A. 1994 [psychology] Goethe-Universität, Frankfurt/M., Ph.D. 2003 [history and philosophy of science] University of Pittsburgh), at the Institute as research scholar from October 2004 to September 2006. Area of work: History and philosophy of scientific experimentation, especially psychology; history of the philosophy of science; relationship between the emergence of Gestalt psychology and logical positivism.

Fuchs, Brian (B.A. 1979, M.Phil. 1983 [classics] Yale University), at the Institute from November 1999 to December 2006. Area of work: Archimedes Project, ECHO Project, eSciDoc.

Gausemeier, Bernd (Dr.phil. 2005 [history] Universität Bremen), at the Institute as research scholar since June 2007. Area of work: Science and politics in the 20th century; history of biology, especially history of heredity.

Heesen, Anke te (Dipl. 1990 [cult. pedagogy] Universität Hildesheim, Dr.phil. 1995 [aesthetics und communication] Universität Oldenburg), at the Institute from October 1999 to September 2006. Area of work: History of (natural history-) collections and exhibitions (18th to 20th century); note-taking-practices of scientists; newspaper clippings and their status as information and visual fragment in the sciences and arts around 1900.

Hoffmann, Christoph (Dr.phil. 1995 [German literature], habil. 2004 [German literature] Europa Universität Viadrina Frankfurt (Oder), at the Institute since November 2004. Area of work: Epistemic writings (notebooks and records as research tools); history of observation and experiment; technologies of representation; sensory physiology (19th and early 20th century).

Hoffmann, Dieter (Dipl. 1972 [physics], Dr.phil. 1976 Humboldt-Universität zu Berlin, Dr. habil. 1989 [history of science] Humboldt-Universität zu Berlin, apl. Prof. 2003 Humboldt-Universität zu Berlin), at the Institute since December 1995. Area of work: History of physics in the 19th and 20th centuries, esp. Max Planck and institutional history of quantum theory; history of science in the GDR. Einstein exhibition project.

Hyman, Malcolm (Ph.D. 2002 [classical philology] Brown University), at the Institute since August 2004. Area of work: History of the language sciences; development of scientific terminology; science in Greek and Roman antiquity; general linguistics; digital humanities.

Kant, Horst (Dipl. 1969 [physics], Dr.rer. pol. 1973 [history & philosophy of science] Humboldt-Universität zu Berlin), at the Institute since October 1995. Area of work: History of physics in the 19th and 20th centuries (esp. atomic physics and institutional and social aspects).

Kern, Hartmut (M.A. 1988 [philosophy] Freie Universität Berlin), at the Institute since December 2001. Area of work: Information technology project.

Kleeberg, Bernhard (Dr.phil. 2002 [history] Universität Konstanz), at the Institute from September 2003 to December 2006. Area of work: 19th and 20th century political economy, evolutionary theory and anthropology, natural philosophy and theology, aesthetics of nature.

Klein, Ursula (Dr. phil. 1993, habil. 2000 [philosophy], apl. Prof. 2007 Universität Konstanz), at the Institute from July 1995 to August 1997 and since July 1998. Area of work: History and philosophy of the laboratory sciences; history of technoscience; classification and historical ontology.

Kurapkat, Dietmar (Dipl.-Ing. 1998 [architecture] Technische Universität Karlsruhe), at the Institute from Oktober 2005 to September 2007. Area of work: Epistemic history of architecture in connection with the archaeology of the Near East (especially the neolithic and early historic periods).

Kursell, Julia (Dr. phil. 2000 [Russian philology] Ludwig-Maximilians-Universität München), at the Institute since April 2004. Area of work: 20th century music and sound art; physiology and psychology of hearing (19th and 20th centuries).

Lefèvre, Wolfgang (Dr. phil. 1971 [philosophy], habil. 1977 [philosophy in connection with history of science] Freie Universität Berlin, apl. Professor [philosophy] Freie Universität Berlin), at the Institute since July 1994, associated scholar since March 2006. Area of work: History of science in connection with history of philosophy on the basis of social history; sciences in Greek antiquity; early modern physics and chemistry; history of biology (15th–18th centuries).

Lehner, Christoph (Dipl.-Phys. 1989 Universität München, Ph.D. [philosophy of science] 1997 Stanford University), at the Institute since January 2004. Area of work: History of modern physics, philosophy of physics, history of modern philosophy.

Lund, Hannah Lotte (M.A. 1999 [history/literature] Humboldt-Universität zu Berlin), at the Institute as coordinator at the network “history of scientific objects” since 2005. Area of work: Intellectual (women’s) history; 18th century European cultural history.

Mayer, Andreas (M.A. 1994 [sociology], Universität Wien, Dr. rer. soc. oec. 2001 [sociology], Universität Bielefeld), at the Institute since March 2007. Area of work: History of the human sciences, history of medicine and physiology, historical anthropology of psychoanalysis and psychiatry (19th–20th centuries).

Munz, Tania (Ph.D 2007 [history of science] Princeton University, MA 2000 [history of science and technology] University of Minnesota), at the Institute since August 2007. Area of work: History of animal behavior studies, history of biology (19th and 20th century), animal communication, film and visual representations in animal behavior studies.

Oertzen, Christine von (Dr. phil. 1998 [history] Freie Universität Berlin), at the Institute since June 2005. Area of work: Academic organisations, networks, and biographies; science and gender in connection with social and cultural history, history of academic cultures in Europe and the United States, 19th and 20th centuries.

Osthues, Ernst-Wilhelm (Staatsexamen Lehramt Gymnasien 1981 [social sciences, german philology] Universität Göttingen, Dr. phil. 2004 [classical archaeology] Freie Universität Berlin), at the Institute since December 2004. Area of work: History of architecture, knowledge transfer in ancient societies.

Pietsch, Annik (Diplom 1988 [biochemistry] Freie Universität Berlin, B.A. 1990 [history of art] Technische Universität Berlin), at the Institute since July 1999. Area of work: Binding media. Painting techniques in art, science, and industry in 18th and 19th century Germany.

Presas i Puig, Albert (Dr. phil. 1995 [history of science] Technische Universität Berlin), at the Institute from May 2003 to April 2007. Area of work: Scientific relationship between Germany and Spain: Science, technological transfer, and international policy in the 20th century.

Reinhardt, Carsten (Dr. phil. 1996 [history of science] TU Berlin, habil. 2003 [history of science] Universität Regensburg, Professor 2007 [historical science studies], Universität Bielefeld), at the Institute from March 2006 to March 2007. Area of work: History of chemistry, industrial research, research methods, expertise (19th–20th centuries).

Renn, Jürgen (Dipl. 1983 [physics] Freie Universität Berlin, Dr. rer. nat. 1987 [mathematics] Technische Universität Berlin), at the Institute since March 1994. Area of work: History of early modern mechanics, history of relativity theory; interaction between cognitive and contextual factors in the history of science. Einstein exhibition project (Scientific Director).

Rheinberger, Hans-Jörg (M.A. 1973 [philosophy], Dipl. 1979 [biology], Dr. rer. nat. 1982, habil. 1987 [molecular biology] Freie Universität Berlin), at the Institute since January 1997. Area of work: Epistemology of experimentation.

Rieger, Simone (M.A. 1998 [linguistics and philosophy] Technische Universität Berlin), at the Institute from February 1999 to February 2008. Area of work: Coordination of the open access initiative “European Cultural Heritage Online” (ECHO).

Schäfer, Dagmar (Dr. phil. 1996 [sinology, japanology, political science], habil. 2005 [sinologie] Würzburg), at the Institute since May 2006. Area of work: History of technology/history of science in China 10th–18th centuries in connection with knowledge formation and transmission.

Schemmel, Matthias (Dipl. 1997 [physics], Universität Hamburg), at the Institute since January 1998. Area of work: History of relativity theory, history of early modern mechanics, history of Chinese science.

Schmidgen, Henning (Dipl. 1990 [psychology], Dr. phil. 1996 [psychology], M.A. 1997 [philosophy] Freie Universität Berlin), at the Institute from March 1997 to August 2005 and since July 2006. Area of work: Machines and bodies without organs in the history of science.

Schoepflin, Urs (Dipl. 1975 [sociology] Freie Universität Berlin), at the Institute as director of the library since September 1994. Area of work: Scientific information systems; scholarly communication; sociology and history of science; scientometrics; digital libraries; open access.

Schüller, Volkmar (Dr. rer. nat. 1972 [physics] Universität Greifswald), at the Institute since September 1994. Area of work: History of mathematics and physics (16th and 17th centuries).

Sibum, H. Otto (Dr. rer. nat. 1989 [physics] Carl von Ossietzky Universität Oldenburg; habil. 2001 [history of science and technology] Technische Universität Carolo-Wilhelmina zu Braunschweig), at the Institute from October 1995 to August 2007. Area of work: History of the physical sciences (17th until 20th century), particularly history of experience and experiment, embodiment of knowledge, material culture of science, precision measurement.

Siebert, Martina (Dr. phil. 2002 [sinology in connection with history of science] Freie Universität Berlin), at the Institute since October 2006. Area of work: History of traditional Chinese Sciences esp. Nature studies (10th to early 19th centuries); systems of classifying and evaluating knowledge (Chinese tradition and the process of modernization; China vs. West); history of technology; historization of technology and notions of progress.

Stalman, Kai (Magister Artium 1989 [Germanistik, Religionswissenschaft], Dr. phil. 1997 [Literaturwissenschaft], computational linguistics 2004, research scholar at the Institute from March 2007 to May 2008. Area of work: Language processing [semantic clustering, automatic text classification], knowledge management, and information retrieval.

Sturm, Thomas (Dr. phil. 2007 [philosophy]) Philipps-Universität Marburg, at the Institute since 2005. Area of work: Early modern philosophy, esp. Kant; history and philosophy of psychology; current epistemology, philosophy of science, and philosophy of mind.

Valleriani, Matteo (Laurea 1990 [philosophy]), at the Institute since July 1998. Area of work: Professional knowledge of practitioners: Galileo as an engineer; Einstein exhibition project: knowledge and conception of the world; collaborative research center 644—“transformations of antiquity”: weight, energy and force: conceptual structural changes in ancient knowledge as a result of its transmission.

Vidal, Fernando (A.B. 1981 Harvard University, M.A. 1984 [psychology] University of Geneva, M.A. 1986 [history and philosophy of science] University of Paris I – Sorbonne, Ph.D. 1988 University of Geneva, Habilitation 2001 Ecole des Hautes Etudes en Science Sociales), at the Institute as research scholar since September 2000. Area of work: History of psychology and anthropology, 16th–20th centuries; the self and the body in the Christian tradition; historicizing “brainhood” (the self as brain).

Vogt, Annette (Dipl. 1975, Dr. rer. nat. 1986 [mathematics] Universität Leipzig), at the Institute since September 1994. Area of work: History of sciences, esp. history of mathematics, in Germany, in the 19th and 20th centuries; history of Jewish scientists in Germany; history of women scientists in the 19th and 20th centuries from a comparative perspective.

Wazeck, Milena (Dipl. 2001 [political science] Freie Universität Berlin), at the Institut since June 2000. Area of work: The public controversy on the theory of relativity in the 1920s; the governance of science.

Wilder, Kelley E. (Dr. phil. 2003 [history of art] Oxford University), at the Institute from September 2005 to August 2008. Area of work: History of photography; photography and science.

Wintergrün, Dirk (Dipl. 1998 [physics] Technische Universität Berlin), at the Institute since January 2000. Area of work: Information technology project.

Wittmann, Barbara (Dr. phil. 1999 [art history] Freie Universität Berlin), at the Institute since November 2003. Area of work: Drawing as scientific practice (18th–21st centuries); history of psychology; history and theory of children’s drawings.

Ziemer, Hansjakob (Dr. phil 2007 [modern history] Humboldt-Universität zu Berlin), at the Institute from June to November 2006 and since January 2008. Area of work: Coordinator of research network, since January 2008: cooperations and public outreach; cultural history of music and musicology and history of journalistic knowledge (19th–20th centuries).

Visiting Scholars and Research Fellows

Dr. Oscar João Abdounur (Visiting Scholar, Instituto de Matemática e Estatística, Universidade de Sao Paulo, Sao Paulo, Brazil, December 10, 2005–January 6, 2006; June 29–July 31, 2006): Mathematics and music in the Renaissance: From a cosmological-spekulative to a mathematic-empirical conception. (January 7–February 13, 2007; July 2–August 13, 2007): Renaissance music and the experimental science; historical relationships between mathematics and music on mathematics

education; effects of epistemological principles on the historical development of mathematical ideas: An investigation on the arithmetization of the theories of musical proportions.

Prof. Dr. Gadi Algazi (Visiting Scholar, Department of History, Tel Aviv University, Israel, July 24–August 24, 2007): Households of knowledge: Reshaping the scholarly habitus, 1300–1600.

Dr. des. Jan Altmann (Postdoctoral Research Fellow, September 1, 2005–August 31, 2006): Drawing as observing in the enlightenment.

Dr. Daniel Andersson (Postdoctoral Research Fellow, September 1, 2007–August 31, 2009): Self-observation and conscience in English protestant thought.

Prof. Dr. Theodore Arabatzis (Visiting Scholar, Department of Philosophie and History of Science, University of Athens, Greece, February 1–June 30, 2007): Hidden entities and their experimental manifestations.

Prof. Dr. Lígia Arantes Sad (Visiting Scholar, Departamento de Matemática, Centro de Ciências Exatas, Universidade Federal do Espírito Sante, Vitória, Brazil, October 23–November 24, 2007): Mathematics education of native Brazilians in the state of Espírito Santo: An intercultural perspective.

Dr. David Aubin (Visiting Scholar, Institut de mathématiques de Jussieu, Université Paris 6, France, October 1, 2006–February 28, 2007): Seeing structur, structuring sight: Bénard’s cells an the visualization of self-organization.

Dr. Safia Azzouni (Postdoctoral Research Fellow, October 1, 2004–September 30, 2007): The popular science book: A new genre between literature and science in the late nineteenth and early twentieth centuries.

Dr. Hannah Baader (Postdoctoral Research Fellow, Kunsthistorisches Institut in Florenz, Max-Planck-Institut, Italy, January 1–April 30, 2007): Reconsidering the mediterranean: A visual history of the sea.

Dr. Massimiliano Badino (Visiting Scholar, Dipartimento di Filosofia, Università degli Studi di Genova, Italy, June 1, 2005–February 14, 2007): History of quantum mechanics: from Boltzmann to Planck; from Planck to Bose; the quantum revolution. (Postdoctoral Research Fellow, February 15, 2007–December 31, 2008): Thermodynamics and statistical mechanics from Boltzmann to Planck.

Beat Bächli (Predoctoral Research Fellow, Institut für Geschichte, Technikgeschichte, Eidgenössische Technische Hochschule Zürich, Switzerland, October 1, 2006–March 31, 2007): “Purely Swiss” Vitamin C: The cultural history of a sociotechnical innovation.

Dr. Crispin Barker (Visiting Scholar, Yale University, New Haven, Connecticut, U.S.A., October 21–December 22, 2006): Tying the ends together: The development of the telomere-telomerase hypothesis of aging and cancer, 1986–1996.

Prof. Dr. Vicente Barretto (Visiting Scholar, Deutscher Akademischer Austauschdienst, Direito, Universidade do Estado do Rio de Janeiro, Brazil, October 1–October 30, 2006): Neurosciences and the law.

Dr. Antonio Becchi (Postdoctoral Research Fellow, Dipartimento di Scienze per l'Architettura, Università di Genova, Italy, April 1, 2006–September 30, 2007): Epistemic history of architecture.

Viola van Beek (Predoctoral Research Fellow, July 1, 2007–June 30, 2009): Experimentieranleitungen und Experimenträume.

Prof. Dr. Bruno Belhoste (Visiting Scholar, Dibner Institute for the History of Science and Technology, Massachusetts Institute of Technology, Cambridge, Massachusetts, U.S.A., July 1–August 31, 2007): Public knowledge and scientific networks in early 19th century Paris.

Prof. Dr. David Bloor (Visiting Scholar, Department of Sociology, University of Edinburgh, U.K., April 15–August 31, 2006; September 1–September 30, 2007): Rival theories of aerofoil, 1904–1926).

Dr. Christophe Bonneuil (Visiting Scholar, Centre Koyré d'Histoire des Sciences et des Techniques, Paris, France, May 1–June 30, 2006): History of plant genetics and breeding in the 20th century; comparative history of GM crops biosafety research in the U.S.A., Germany and France.

Arianna Borrelli (Postdoctoral Research Fellow, November 1, 2005–August 31, 2007; Visiting Scholar, September 1, 2007–August 31, 2009): The role of molecules in the development of quantum mechanics, with a special regard for the contribution of Michael Polanyi and Eugene Wigner.

Cristiane Brandão Augusto Mérida (Predoctoral Research Fellow, Deutscher Akademischer Austauschdienst, September 1–December 31, 2007): The cerebral subject: Impact of the neurosciences on contemporary culture.

Dr. Brita Brenna (Postdoctoral Research Fellow, University of Oslo, Senter for teknologi, innovasjon og kultur, Universitetet i Oslo, Norway, August 15, 2005–January 15, 2006): Nature in an 18th century natural history of Norway: Making common land for god, the king, science, and the public.

Björn Brüsck (Predoctoral Research Fellow, January 1, 2004–June 30, 2007): Experimentalization of gardening in nineteenth century Germany: Peter Joseph Lenné and the "Gärtner-Lehranstalt" in Wildpark/Potsdam.

Silvia Caianiello (Visiting Scholar, Consiglio Nazionale delle Ricerche, Roma, Italy, August 27, 2007–July 31, 2008): Historical and theoretical perspectives on modularity its role at the crossroad between Evo-Devo and synthetic theory of evolution.

Luciana Vieira Caliman (Predoctoral Research Fellow, Deutscher Akademischer Austauschdienst, Instituto de Medicina Social—IMS/VERJ, Laranjeiras, Rio de Janeiro, Brazil, April 1, 2004–August 31, 2006): The inattentive individual: Contributions to the history of attention.

Paloma Calle (Visiting Scholar, Departamento de Historia de la Ciencia, Instituto de Historia, Madrid, Spain, August 1–August 31, 2006): The case Cajal: On the centenary of the Nobel Prize in Medicine 1906.

Dr. Luis Campos (Postdoctoral Research Fellow, Drew University, Madison, New Jersey, U.S.A., October 1, 2007–September 30, 2008): Synthetic biology: Engineering life in the test tube.

Prof. Dr. John Carson (Visiting Scholar, University of Michigan at Ann Arbor, U.S.A., June 1–July 31, 2007): Mental ability and the birth of medical jurisprudence.

Zeynep Celik (Predoctoral Research Fellow, Center for Advanced Study in the Visual Arts (CASVA), Massachusetts Institut of Technology, Cambridge, U.S.A., September 1, 2005–August 31, 2006): Kinaesthetic impulses: Space, performance, and the body in German architecture, 1870–1914.

Prof. Karine Chemla (Visiting Scholar, Dibner Institute for the History of Science and Technology, Massachusetts Institute of Technology, Cambridge, Massachusetts, U.S.A., July 1–August 31, 2007): Cosmologie, calcul et histoire conceptuelle. Une approche anthropologique des mathématiques de la Chine ancienne.

Yue Chen (Predoctoral Research Fellow, Institute for the History of Natural Sciences, Chinese Academy of Sciences, Beijing, China, March 27–June 30, 2006; November 21, 2006–November 20, 2007): Mechanical knowledge in China: Western and Chinese origins of the Jie Xuann's cosmology.

PD Dr. Tobias Cheung (Postdoctoral Research Fellow, Kulturwissenschaftliches Seminar, Humboldt-Universität zu Berlin, Germany und Akademie Schloss Solitude, Stuttgart, Germany, March 1–November 30, 2007): Constellations between biology, anthropology, and philosophy 1900–1950.

Dr. Didier Debaise (Postdoctoral Research Fellow, October 1, 2005–December 31, 2007): Constructing a speculative approach to heredity.

Dr. Emmanuel Didier (Visiting Scholar, Centre National de la Recherche Scientifique, Centre de recherche sociologiques sur le droit et les institutions pénales/Immeuble Edison, Guyancourt, France, March 1–August 31, 2006): US survey statistics during the interwar period.

Christopher DiTeresi (Predoctoral Research Fellow, Conceptual and Historical Studies of Science, University of Chicago, Illinois, U.S.A., January 1–April 30, 2007): Practices for visualizing development processes.

Thomas Dohmen (Visiting Scholar, University of Haifa, Israel, July 1–December 31, 2006): Context and error in the epistemology of scientific experiment.

Dr. Monika Dommann (Postdoctoral Research Fellow, Schweizerischer Nationalfonds, Forschungsstelle für Sozial- und Wirtschaftsgeschichte, Universität Zürich, Switzerland, May 1–July 31, 2007): Multiplication/Regulation: The cultural history of copy and copyright.

Dr. Igal Dotan (Postdoctoral Research Fellow, Department of Philosophy, University of Haifa, Israel, November 15, 2004–November 14, 2007): Natural selection in the lab: Background knowledge and its role in evolution of experimental systems.

Dr. Maarten van Dyck (Visiting Scholar, Universiteit Gent, Belgium, September 1, 2007–February 29, 2008): Conceptual problems in early modern mechanics, with a focus on the works of Guidobaldo del Monte, Simon Stevin and Galileo Galilei.

Prof. Dr. Circe Mary Silva da Silva Dynnikov (Visiting Scholar, Universidade Federal do Espírito Santo, Vitória, Brazil, October 23–November 24, 2007): The reception of the theory of relativity in Brazil.

Anna Echterhölter (Predoctoral Research Fellow, March 1–August 31, 2007): Epimistic values in obituaries of scientists (1760–1860).

Dr. Olaf Engler (Visiting Scholar, Zentrum für Logik, Wissenschaftstheorie und Wissenschaftsgeschichte, Universität Rostock, Germany, October 1, 2006–December 31, 2007): Scientific philosophy and modern physics, 1870–1930.

Prof. Dr. Moritz Epple (Visiting Scholar, Historisches Seminar, Wissenschaftsgeschichte, Goethe-Universität Frankfurt am Main, Germany, January 1–March 31, 2007): Time, space, and geometry: Reflections of the Nietzschean mathematician Felix Hausdorff at the interface of mathematics and epistemology.

Prof. Rand B. Evans (Visiting Scholar, East Carolina University, Greenville, North Carolina, U.S.A., September 1–September 30, 2007): Devices and methods used in the calibration of early timing devices in psychological research.

Dr. Ulrike Fauerbach (Postdoctoral Research Fellow, January 1–September 30, 2006): Building trade in Pharaonic Egypt.

Prof. Dr. Rivka Feldhay (Visiting Scholar, The Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University, Israel, October 1, 2005–July 31, 2006; July 10–October 10, 2007): Jesuits on statics, dynamics, mathematics, and astronomy between Galileo and Newton.

Dr. Mechthild Fend (Visiting Scholar, Princeton University, School of Historical Studies, Institute for Advanced Study, Princeton, New Jersey, U.S.A., August 1–August 31, 2006): History and representation of skin in 18th and 19th century France.

Dr. Jiren Feng (Postdoctoral Research Fellow, October 1, 2006–September 30, 2008): History of Chinese art and architecture-cultural traditions of architectural technology as reflected in Chinese building manuals of the 15th to 19th century.

Dr. Dr. Erna Fiorentini (Visiting Scholar, Deutsche Forschungsgemeinschaft, Institut für Kunstgeschichte, Freie Universität Berlin, Germany, January 1, 2005–September 30, 2008): Vision and representation between aesthetic experience and scientific objectivity.

Adrian Fischer (Predoctoral Research Fellow, University of Minnesota, Minneapolis, U.S.A., June 18–July 22, 2007): On the history of the anomalous Zeeman effect.

Maja Fjaestad (Predoctoral Research Fellow, Bank of Sweden, Tercentenary Foundation, Avdelningen för teknik- och vetenskapshistoria, Sveriges största tekniska universitet, Stockholm, Sweden, September 15, 2007–September 15, 2008): History of the quantum mechanics: The dream of the breeder reactor: Utopian themes in Swedish nuclear power 1945–1980.

Prof. Dr. Ragnar Fjelland (Visiting Scholar, Senter for vitenskapsteori, Universitetet i Bergen, Norway, September 1–December 15, 2007): On the lifeworld foundation of science.

Dr. Michael Fotiadis (Visiting Scholar, Department of History and Archaeology, University of Ioannina, Greece, March 1–June 30, 2007): Practical of classical archaeology.

Prof. Dr. Gideon Freudenthal (Visiting Scholar, The Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University, Israel, September 1–September 30, 2006; August 20–September 30, 2007): Marxist historiography of science: Boris Hessen and Henryk Grossman.

Prof. Dr. Rodolphe Gasché (Visiting Scholar, Program in Comparative Literature Arts and Letters, University of Buffalo, New York, U.S.A., June 17–August 4, 2007): Europe: A concept, idea, or figure?

Mauricio Gatto (Predoctoral Research Fellow, January 1–June 30, 2006):

Commentaries to the Pseudo-Aristotle's Mechanical Problems: Baldi (In *Mechanica Aristotelis Problemata Exercitationes* 1621); Bianchi (Aristotelis *Loca Mathematica* 1615); Guerara (In *Aristotelis Mechanicas Commentarii* 1627); Monantheuil (De *Aristotelis Mechanica* 1599); Piccolomini (Italian Paraphrases of the Mechanical Problems 1582); Tomeo (Latin Translation of the Mechanical Problems 1560).

Dr. Jean-Paul Gaudillière (Visiting Scholar, Centre de Recherche Médecine, Science, Santé et Société, Institut national de la santé et de la recherche médicale, Villejuif, France, January 1–June 30, 2006): From preparation to screening: The life sciences and the pharmaceutical industry in France and Germany, 1920–1970.

Dr. Bernd Gausemeier (Postdoctoral Research Fellow, Deutsche Forschungsgemeinschaft, October 1, 2004–May 31, 2007): Genealogy and Human Heredity in Germany, ca. 1850–1945.

Dr. Florentina Badalanova Geller (Visiting Scholar, Centre for Anthropology, The British Museum, London, U.K., June 1–August 31, 2007): ECHO Project: Iconography, Folk Bible and Folk Koran (Visiting Scholar, Royal Anthropological Institute of Great Britain and Ireland, London, U.K., December 17, 2007–January 16, 2008): Holy Scriptures: the Ur-Hypertext (verbal and visual codes of transmission of religious knowledge).

Prof. Dr. Mark Geller (Visiting Scholar, Alexander-von-Humboldt-Stiftung, Department of Hebrew and Jewish Studies, University College London, U.K., June 1–August 31, 2007): Relationship between Babylonian magic and medicine. Globalisation of knowledge in antiquity. (Visiting Scholar, Department of Hebrew and Jewish Studies, University College London, U.K., December 17, 2007–January 16, 2008): Ancient Babylonian medicine (diseases of the eyes, ears, and nose).

Prof. Dr. Hannah Ginsborg (Visiting Scholar, Department of Philosophy, University of California, Berkeley, U.S.A., July 1–August 15, 2006; July 1–August 18, 2007): Primitive normativity: a Kantian perspective on rule-following and meaning.

Elodie Giroux (Predoctoral Research Fellow, Unité de Formation et de Recherche de Philosophie, Université Paris 1—Panthéon Sorbonne, Paris, France, October 1, 2005–May 15, 2006): Risk factor approach to disease: Shifts in medical thought and practice.

Prof. Dr. Michael Gordin (Visiting Scholar, Princeton Bicentennial Preceptorship, Program in History of Science, Princeton University, New Jersey, U.S.A., September 1, 2007–August 15, 2008): International history of the atomic monopoly, 1945–1949.

Dr. Frédéric Graber (Postdoctoral Research Fellow, Centre Alexandre Koyré, Centre de Recherche en Histoire des Sciences et des Techniques, Paris, France, September 15, 2005–September 30, 2007): Places of knowledge of engineering in French and German public works (18th and 19th century).

Christelle Gramaglia (Predoctoral Research Fellow, Centre Alexandre Koyré, Centre de Recherche en Histoire des Sciences et des Techniques, Paris, France, September 1, 2005–August 31, 2006): Ecotoxicology and expert/lay observations on pollution.

Prof. Dr. Anna Grimshaw (Visiting Scholar, Graduate Institute of Liberal Arts, Emory University, Atlanta, Georgia, U.S.A., January 1–February 28, 2007): Rethinking observational cinema.

Xiaowu Guan (Postdoctoral Research Fellow, Department of History of Science and Scientific and Technological Administration, Inner Mongolia Normal University, Huhhot, China, September 1, 2007–February 29, 2008): The ways to transmit, preserve, and perform the technical knowledge in the evolution of the grand water wheel of Lanzhou.

Dr. Karl Hall (Visiting Scholar, Közép-európai Egyetem, Budapest, Hungary, October 1, 2006–June 30, 2007): Reliable phenomena in industrial laboratories.

Prof. Dr. Jonathan Harwood (Visiting Scholar, Centre for the History of Science, Technology and Medicine, The University of Manchester, U.K., September 1, 2007–April 30, 2008): Europe's green revolution: the rise and fall of peasant-friendly plant-breeding in Central Europe, 1890–1945.

Dr. Michael Hau (Visiting Scholar, School of Historical Studies, Monash University, Victoria, Australia, November 1, 2005–January 31, 2006): High performance in elite sports: A cultural history of medicine, psychology, and society during the Weimar Republic and Nazism, 1918–1945.

Dr. Elfrieda Hiebert (Visiting Scholar, June 1–June 30, 2007): Exploring links between science and piano pedagogy during the late 19th century (1860–1910).

Prof. Dr. Erwin N. Hiebert (Visiting Scholar, Department of the History of Science, Harvard University, Cambridge, Massachusetts, U.S.A., June 1–June 30, 2007): The physics and mathematics of just intonation in the history of fixed-tone keyboard construction.

Dr. Philipp von Hilgers (Postdoctoral Research Fellow, Humboldt-Universität zu Berlin, Germany, February 1, 2006–April 30, 2008): Mapping the field of vision from experimental investigations of reading to pattern recognition, 1860–1960.

Martin Hofmann (Postdoctoral Research Fellow, Institut für Kulturwissenschaften Ost- und Südasiens, Universität Würzburg, Germany, June 1–September 30, 2007): Philology of master craftsmen.

Dr. Giora Hon (Visiting Scholar, Department of Philosophy, University of Haifa, Israel, June 17–July 31, 2007): Generating experimental knowledge; the history of the concept of symmetry.

Thierry Hoquet (Visiting Scholar, Département de philosophie, Université de Paris-X, Nanterre, France, March 12–May 12, 2006; March 1–April 30, 2007): Phylogeny and the direction of evolution.

Prof. Dr. Blahoslav Hruška (Visiting Scholar, Orientální ústav, Akademie ved České republiky/Evangelická teologická fakulta, Univerzita Karlova, Praha, Czech Republic, May 1–June 30, 2006): Assyriology, history of the Ancient Near East, religious studies.

Prof. Dr. Danian Hu (Visiting Scholar, Department of History & The Asian Studies Program, The City College of New York, U.S.A., July 1–July 28, 2007): History of quantum mechanics.

Alexandra E. Hui (Predoctoral Research Fellow, Deutscher Akademischer Austauschdienst, Department of History, University of California, Los Angeles, U.S.A., July 15–December 31, 2006): Psychophysical investigations of sound sensation and the music culture of Germany, 1860–1910.

Dr. Ludmila Hyman (Postdoctoral Research Fellow, Carnegie Mellon University, Pittsburgh, Pennsylvania, U.S.A., September 1, 2007–August 31, 2009): Clinical observation and the making of historical psychology: The Soviet psychologists L.S. Vygotsky, A.R. Luria, and A. N. Leontiev.

Dr. Catherine Jackson (Visiting Scholar, University College London, University of London, U.K., September 1–September 30, 2006; October 1–December 31, 2007): Analysis and synthesis in 19th century organic chemistry.

Jeremiah James (Predoctoral Research Fellow, Department of the History of Science, Harvard University, Cambridge, Massachusetts, U.S.A., January 1–May 31, 2007): Early history of X-Ray crystallography.

Prof. Dr. Michel Janssen (Visiting Scholar, University of Minnesota, Program in History of Science and Technology, University of Minnesota, Minneapolis, U.S.A., June 5–August 1, 2006): History of quantum physics.

Dr. Christian Joas (Postdoctoral Research Fellow, February 15, 2007–February 14, 2009): The origins of wave mechanics: Schrödinger's notebooks.

Prof. Dr. Matthew L. Jones (Visiting Scholar, U.S. National Science Foundation, Department of History, Columbia University, New York, U.S.A., May 1–May 31, 2007): Early modern calculating machines, statecraft, and thinking about thinking.

Hyo Yoon Kang (Postdoctoral Research Fellow, October 1, 2006–December 31, 2008): Patent classification and scientific taxonomies: Law as a space of history of science?

Susanne B. Keller (Postdoctoral Research Fellow, September 1, 2005–October 31, 2006): Picturing the inaccessible: Gazing under the earth’s surface between empiricism and speculation, 18th to 20th Century.

Prof. Dr. Philip Kitcher (Visiting Scholar, Columbia University, Department of Philosophy, Columbia University, New York, U.S.A., October 1, 2007–May 31, 2008): Naturalistic ethics.

Stefanie Klamm (Predoctoral Research Fellow, May 1, 2006–April 30, 2008): Images in archaeology.

Fabian Krämer (Predoctoral Research Fellow, September 1, 2006–November 30, 2008): Reference structures in the study of nature.

Dr. Maria E. Kronfeldner (Karl Schädler Postdoctoral Research Fellow, March 1, 2006–December 31, 2008): The anthropological concept of culture in the context of evolutionary debates.

Dr. Joachim Kurtz (Visiting Scholar, Department of Russian and East Asian Languages and Cultures, Emory University, Atlanta, Georgia, U.S.A., June 1–June 30, 2007): The rhetoric of innovation in late imperial Chinese writings on science and technology. (July 1–July 31, 2007): Rhetoric of innovation in late imperial Chinese texts.

Dr. Britta Lange (Postdoctoral Research Fellow, October 1, 2005–September 30, 2007): A history of the “typical” scientific research in prisoner-of-war-camps from 1915 to 1918.

Dr. med. Nicolas Langlitz (Postdoctoral Research Fellow, September 1, 2007–August 31, 2009): Neuropsychedelia the revival of hallucinogen research since the decade of the brain.

Prof. Dr. Manfred Laubichler (Visiting Scholar, Department of Philosophy, Arizona State University, Tempe, U.S.A., December 12, 2005–January 15, 2006; June 1–July 31, 2006; June 1–July 31, 2007): Book on Alfred Kühn. Regulation and the origin of theoretical biology.

Dr. Daryn Lehoux (Visiting Scholar, Classics and Ancient History, University of Manchester, U.K., August 1, 2007–July 31, 2008): Ancient science the roles of observation in theory formation and epistemology interactions of classification and observation.

Dr. Rhodri Lewis (Postdoctoral Research Fellow, Jesus College, Oxford, U.K., September 1, 2005–August 31, 2007): The arts of memory in early modern Europe.

Rossano Cabral Lima (Predoctoral Research Fellow, CAPES (Brazilian agency for the advanced training of university personnel, Instituto de Medicina Social, Universidade do Estado do Rio de Janeiro, Brazil, September 1–December 31, 2007): History of diagnosis of autism.

Dr. Fabien Locher (Visiting Scholar, Service d’Histoire de l’Éducation, Paris, France, October 2–October 29, 2006): History of scientific observation: Earth sciences (19th–20th century).

Prof. Dr. Ilana Löwy (Visiting Scholar, Centre de Recherche Médecine, Science, Santé et Société, Institut national de la santé et de la recherche médicale, Villejuif, France, May 1–July 31, 2006)

Prof. Carlos López Beltrán (Visiting Scholar, Instituto de Investigaciones Filosóficas, Universidad Nacional Autónoma de México, Coyoacan, Mexico, October 1, 2006–March 31, 2007): The influence of biological and medical theories in racial classification of humans.

Dr. Leoncio López-Ocón (Visiting Scholar, Departamento de Historia de la Ciencia, Instituto de Historia, Madrid, Spain, August 1–August 31, 2006): Scientific relationship between Germany and Spain during Cajal’s lifetime.

Dr. Marie Claude Lorne (Postdoctoral Research Fellow, Department of Philosophy, University of Montréal, Quebec, Canada, August 1–September 30, 2006): Genetic information and positional information: How to think biological information at the molecular level?

Dr. Carmen Loza (Visiting Scholar, Deutscher Akademischer Austauschdienst, October 1–December 31, 2006): The adoption of andine mnemonic string registers (Quipus) by the Spanish colonial administration.

Prof. Dr. Biao Ma (Postdoctoral Research Fellow, Faculty of Literature, Yamaguchi University, Japan, July 1–August 31, 2007): Research on the Ancient Chinese pronunciation of the measure word.

Prof. Dr. Harro Maas (Visiting Scholar, Faculteit der Economische Wetenschappen en Econometrie, Universiteit van Amsterdam, The Netherlands, March 1–June 30, 2006): Representational practices in economics.

Anna Märker (Postdoctoral Research Fellow, Department of Science and Technology Studies, Cornell University, Ithaca, New York, U.S.A., October 1, 2005–August 31, 2007): The Notion of “Useful Knowledge” and the Emergence of Modern Science, 1750–1850.

Prof. Dr. Peter McLaughlin (Visiting Scholar, Philosophisches Seminar der Universität Heidelberg, Germany, July 15–November 14, 2006; March 1–June 30, 2007): Aristotele’s mechanics and its reception in the Renaissance.

Fabrizio McManus (Predoctoral Research Fellow, Universidad Nacional Autónoma de México, September 1–September 30, 2007): Complementarity or competition? Explanatory pluralism for animal sexuality: From evolutionary to constructivist perspectives.

Dr. Maurizio Meloni (Postdoctoral Research Fellow, University La Sapienza di Roma, Italy, September 1–October 31, 2007): Molecular Dasein living and thinking in a neurobiological era.

Dr. Erika Lorraine Milam (Postdoctoral Research Fellow, University of Maryland-College Park, U.S.A., September 1, 2007–December 31, 2008): Animal models of behavior: Anthropomorphism, zoomorphism, and cultures of observation.

Dr. Daniela Monaldi (Postdoctoral Research Fellow, April 25, 2006–March 31, 2008): Bose-Einstein condensates.

Prof. Dr. Shigeru Nakayama (Visiting Scholar, University of Tokyo, Japan, July 14–September 3, 2007): A comparison of what happened in Germany and Japan in 1968. Part of champ of civilisation.

Dr. Omar W. Nasim (Postdoctoral Research Fellow, University of Toronto, Ontario, Canada, April 1, 2007–March 31, 2008): Constructing the heavens: Drawings of nebulae in victorian science.

Prof. Dr. Horst Nowacki (Visiting Scholar, Technische Universität Berlin, Germany, since August 1, 2001): History of ship design and construction; creating shapes in civil and naval architecture: A cross disziplinary comparison.

Dr. Barbara Orland (Visiting Scholar, Kompetenzzentrum “Geschichte des Wissens,” Eidgenössische Technische Hochschule Zürich, Switzerland, September 1 –November 30, 2006): The chemical economy of the body.

Prof. Dr. Francisco Javier Guerrero Ortega (Visiting Scholar, Deutscher Akademischer Austauschdienst, Universidade do Estado do Rio de Janeiro, Brazil, December 1, 2006–January 31, 2007): History of the body, history of the self.

Prof. Dr. Laura Otis (Visiting Scholar, McArthur Foundation, Department of English, Emory University, Atlanta, Georgia, U.S.A., June 17, 2005–August 15, 2006; July 1, 2007–August 15, 2008): Müller’s lab: A family tree of scientific ideas.

Alessandro Pajewski (Predoctoral Research Fellow, University of Chicago, Illinois, U.S.A., May 1–July 31, 2007): Development of the historical sciences in the 19th century.

Prof. Dr. Katharine Park (Visiting Scholar, Department of the History of Science, Harvard University, Cambridge, Massachusetts, U.S.A., February 1–July 31, 2007): Observation and experience in medieval science, 1150–1450.

Dr. Manolis Patiniotis (Visiting Scholar, Department of History and Philosophy of Science, University of Athens, Greece, September 1, 2007–February 29, 2008): Periphery reassessed: Greek science in the 18th century.

Prof. Dr. Andrew Pickering (Visiting Scholar, University of Illinois at Urbana, Champaign, U.S.A., July 1–August 15, 2006): History of cybernetics.

Susanne Pickert (Predoctoral Research Fellow, partially funded by Gerda Henkel Stiftung, Institut für Geschichtswissenschaften, Humboldt-Universität zu Berlin, Germany, January 1, 2004–December 31, 2007): Description of the *loca sancta* of the Holy Land in high and late medieval travel accounts.

Prof. Dr. Trevor Pinch (Visiting Scholar, Department of Science and Technology, Cornell University, Ithaca, New York, U.S.A., July 1–July 31, 2007).

Prof. Dr. Claudio Pogliano (Visiting Scholar, Università di Pisa, Istituto e Museo di Storia della Scienza, Firenze, Italy, August 1–August 31, 2007): The visual contagion in history of science.

Sandra Pravica (Predoctoral Research Fellow, July 1, 2007–June 30, 2009): Experimental epistemologies around 1930: The concepts of Gaston Bachelard and Edgar Wind.

Silvia de Priven (Predoctoral Research Fellow, FAPESP, Centro Simão Mathias de Estudos em História da Ciência, Pontifícia Universidade Católica de São Paulo, Brazil, May 1–June 15, 2007): Theory of matter. Ideas on matter and life: From the physics of du Bois-Reymond to the neovitalism of Driesch.

Prof. Dr. F. Jamil Ragep (Visiting Scholar, McGill University, Institute of Islamic Studies, McGill University Montréal, Quebec, Canada, December 1, 2006–August 31, 2007): Islamic scientific manuscripts initiative (ISMI) project.

Sally P. Ragep (Visiting Scholar, McGill University, Institute of Islamic Studies, McGill University Montréal, Quebec, Canada, December 1, 2006–August 31, 2007): Islamic scientific manuscripts initiative (ISMI) project.

Dr. Vincent Ramillon (Postdoctoral Research Fellow, November 1, 2006–October 31, 2008): The two genomics: Ideology, insider's history and material practices.

Dr. Sandra Rebok (Visiting Scholar, Instituto de Historia, Madrid, Spain, June 20–July 19, 2006): German travelers in the 19th century (Spain, Latin America, U.S.A.).

Christian Reiß (Predoctoral Research Fellow, July 1, 2007–June 30, 2009): The way to the laboratory—origin and role of organisms in experimental systems in early life sciences.

Dr. Maria Rentetzi (Visiting Scholar, National Technical University of Athens, Greece, June 1–September 15, 2007): Radium as a trafficking material.

Sarah de Rijcke (Predoctoral Research Fellow, Netherlands Organization for Scientific Research, Heymans Instituut, Rijksuniversiteit Groningen, The Netherlands, January 1–March 31, 2007): Regarding the brain: Scientific practices of cerebral representation.

Dr. Ayako Sakurai (Postdoctoral Research Fellow, Department of Area Studies, University of Tokyo, Japan, November 1–November 30, 2006): Public scientific practices and urban reinvention in a mercantile city-republic: Civic scientific institutions in nineteenth century Frankfurt am Main.

Prof. Dr. Margaret Schabas (Visiting Scholar, Department of Philosophy, The University of British Columbia, Vancouver, Canada, May 1–June 30, 2007): Hume's political economy.

Dr. Arne Schirrmacher (Visiting Scholar, Deutsche Forschungsgemeinschaft, Münchner Zentrum für Wissenschafts- und Technikgeschichte, Deutsches Museum, München, Germany, September 1, 2007–August 31, 2008): History of quantum mechanics. Science in communication in the 20th century.

Dr. Wolfgang Schivelbusch (Visiting Scholar, September 1–September 30, 2006): Historizing concepts of air.

Dr. Anne Secord (Visiting Scholar, Department of History and Philosophy of Science, Cambridge University, U.K., September 1–December 31, 2006): Taking 'Nature's Path' in eighteenth century Britain.

Prof. Dr. Suman Seth (Visiting Scholar, Department of History/History of Science, Princeton University, New Jersey, U.S.A., June 8–August 2, 2006): Theoretical physics in imperial Germany between 1890 and 1918.

Hanna Rose Shell (Predoctoral Research Fellow, Department of the History of Science, Harvard University, Cambridge, Massachusetts, U.S.A., May 1–June 30, 2007): Camouflage, animal skin, and the media of reconnaissance.

Dr. Maria Paula Sibilía (Visiting Scholar, DAAD und CAPES, Departamento de Estudos Culturais e Mídia, Universidade Federal Fluminense, Rio de Janeiro, Brazil, July 20–August 20, 2007): The cerebral subject: the impact of neurosciences in contemporary society.

Dr. Skúli Sigurdsson (Rathenau Senior Fellow, since April 1, 2007): History of science after 1800: mathematics, physics, philosophy; history of technology: electrification, technological systems; technology in museums; history of biotechnology: databases, civil liberties.

Dr. Robyn Smith (Visiting Scholar, October 1, 2007–September 30, 2009):
Encountering Hermes in the unknown: exploring experimental vitamin research during World War I.

Katrin Solhdju (Predoctoral Research Fellow, January 1, 2004–December 31, 2006):
Self-experimentation: crossing the borders between science, art, and philosophy, 1840–1920.

Dr. Daniel Speich (Visiting Scholar, Institut für Geschichte, Technikgeschichte, Eidgenössische Technische Hochschule Zürich, Switzerland, January 1–December 31, 2007): Knowledge and development technology and science in the postcolonial culture of development.

Benjamin Steininger (Predoctoral Research Fellow, September 1, 2006–February 28, 2007): The cultural history of the concept of catalysis.

Dr. Edna Maria Suárez-Díaz (Visiting Scholar, Filosofía e Historia de la Biología, Facultad de Ciencias, Universidad Nacional Autónoma de México, August 1, 2005–July 31, 2008): Representation and the production of knowledge in molecular evolution.

Prof. Dr. Xiaochun Sun (Postdoctoral Research Fellow, Institute for the History of Natural Science, Chinese Academy of Sciences, Beijing, China, January 8–April 8, 2007; Visiting Scholar, June 7–July 31, 2007): Measuring the heavens: Cosmos, computation and instrument making.

Alireza Taheri (Predoctoral Research Fellow, Darwin College, University of Cambridge, U.K., December 1, 2006–February 28, 2007): Comparative study of Freud and Nietzsche on guilt.

Dr. Udo Volkmar Thiel (Visiting Scholar, Australian National University, Department of Philosophy, Australian National University, Canberra, Australia, December 13, 2005–February 16, 2006): Self-consciousness and personal identity in eighteenth-century philosophy.

Dr. Olivier Thiery (Postdoctoral Research Fellow, Centre de Sociologie de L'Innovation, Ecole Nationale Supérieure des Mines de Paris, France, October 1, 2004–September 30, 2006): Contemporary history and ethnology of neo-natal medicine and premature babies' care.

Prof. Dr. Miao Tian (Postdoctoral Research Fellow, Institute for the History of Natural Sciences, Chinese Academy of Sciences, Beijing, China, March 27–June 30, 2006): History of mechanics history of technology project: Development of mechanical knowledge in China and its interaction with other cultural traditions. (Visiting Scholar, September 1–November 30, 2007): Completion of the comprehensive Chinese edition and commentary of the first Chinese book on Western mechanical Qiqi Tushuo. (Concluding publication of the partner group project).

Tuomo Tiisala (Predoctoral Research Fellow, Helsingin Yliopisto, Helsinki, Finland, February 1–February 28, 2007): Changing conceptions of a priori knowledge from Kant to the present.

Dr. Margareta T. Tillberg (Visiting Scholar, Swedish Research Council—The Centre for Baltic and East European Studies (CBEES), Designavdelningen, Institutionen för teknik & design, Växjö universitet, Sweden, November 1, 2005–January 31, 2006; April 21, 2006–December 31, 2007): Observer observed in Soviet design institutes of the 1960s.

Viktoria Tkaczyk (Predoctoral Research Fellow, March 1–August 31, 2007): Unready to take off: Failed flight attempts in early modern Europe.

Dr. Danny Trom (Visiting Scholar, Centre National de la Recherche Scientifique, Groupe de Sociologie Politique et Morale, Ecole des Hautes Etudes en Sciences Sociales, Paris, France, September 1, 2005–June 30, 2006): Seeing landscapes: The politics of nature in late 19th century Germany.

Prof. Dr. André Turmel (Visiting Scholar, Department of Sociology, Laval University, Québec City, Canada, January 1–January 31, 2007): Scientific observation and developmental psychology.

Dr. Sophia Vackimes (Postdoctoral Research Fellow, The New School for Social Research, New York, U.S.A., April 18, 2006–May 31, 2008): The genetically engineered body: A cinematic context.

Dr. Nuria Valverde (Visiting Scholar, Departamento de Historia de la Ciencia, Instituto de Historia, Madrid, Spain, October 1–December 31, 2006): Biography and politics of the brain.

Jeremy Vetter (Postdoctoral Research Fellow, Department of History and Sociology of Science, University of Pennsylvania, Philadelphia, U.S.A., September 1, 2005–December 31, 2006): Knowledge, environment, and field work in the American West in the 19th and 20th centuries.

Dr. Marga Vicedo-Castello (Postdoctoral Research Fellow, Department of the History of Science, Harvard University, Cambridge, Massachusetts, U.S.A., September 1, 2005–June 30, 2006): A history of scientific theories of the maternal instinct.

Prof. Dr. Eric Watkins (Visiting Scholar, Alexander-von-Humboldt-Stiftung, Department of Philosophy, University of California, San Diego, U.S.A., June 5–August 28, 2006): Kant on natural science. (Visiting Scholar, Department of Philosophy, University of California, San Diego, U.S.A., June 8–August 31, 2007): Immanuel Kant: natural philosophy.

Cecelia Watson (Predoctoral Research Fellow, The Committee on Conceptual and Historical Studies of Science, University of Chicago, Illinois, U.S.A., September 1–December 31, 2007): A historical treatment of the artist and art critic John La Farge's impact on William James's intellectual development, considered in the context of late 19th and early 20th century exchanges between art and science.

Dr. Janina Wellmann (Postdoctoral Research Fellow, March 15–September 30, 2007): Observation of the in-between: Series and sequences in microscopy. 1850–1920.

Prof. Dr. Simon Werrett (Visiting Scholar, University of Washington, Seattle, U.S.A., July 1–December 31, 2006; June 1–August 31, 2007): War by other means: The art and science of fireworks in Europe, 1500–1850.

Dr. Christina Wessely (Postdoctoral Research Fellow, Historisch-Kulturwissenschaftliche Fakultät, Universität Wien, Austria, October 1, 2005–September 30, 2006): Cosmic ice theory—science, fiction and the public, 1894–1945.

Mechthild Widrich (Predoctoral Research Fellow, Massachusetts Institute of Technology, Cambridge, U.S.A., October 1–October 31, 2007): Performative monuments. Commemoration in postwar Europe.

Lambert Williams (Predoctoral Research Fellow, Department of the History of Science, Harvard University, Cambridge, Massachusetts, U.S.A., September 1, 2004–June 30, 2006): Historical and philosophical issues in complex systems; models and simulations.

Dr. Christof Windgätter (Postdoctoral Research Fellow, Humboldt-Universität zu Berlin, Germany, April 1, 2007–June 30, 2009): Knowledge through print.

Prof. Dr. M. Norton Wise (Visiting Scholar, Department of History, University of California, Los Angeles, U.S.A., May 15–July 31, 2006): Bourgeois Berlin and laboratory science.

Dr. Charles Wolfe (Postdoctoral Research Fellow, Département de philosophie, Université du Québec à Montréal, Canada, December 1, 2007–January 31, 2008): A materialist theory of organism.

Adrian Wüthrich (Predoctoral Research Fellow, University of Bern, Switzerland, April 1–August 31, 2007): History and philosophy of Feynman diagrams in particle physics.

Dr. Yunhong Xiao (Postdoctoral Research Fellow, Institute for the History of Natural Sciences, Chinese Academy of Sciences, Beijing, China, March 27–June 30, 2006): History of mechanics history of technology project: Development of mechanical knowledge in China and its interaction with other cultural traditions.

Dr. Chen-Pang Yeang (Visiting Scholar, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge, U.S.A., May 1–May 31, 2006): Radio-wave propagation and ionosphere studies, 1900–1950; noise.

Dr. Xiaodong Yin (Postdoctoral Research Fellow, Chinese Academy of Sciences, Institute for the History of Natural Sciences, Peking, China, October 1, 2007–June 30, 2008): History of quantum mechanics; completion of the comprehensive Chinese edition and commentary of the first Chinese book on Western mechanical Qiqi Tushuo. (Concluding publication of the Partner Group Project).

Dr. Gábor Áron Zemlén (Postdoctoral Research Fellow, Budapesti Mészaki és Gazdaságtudományi Egyetem, Budapest, Hungary, May 1–August 31, 2006): Scientific debates around the modificationist theories of colour.

Prof. Dr. Baichun Zhang (Visiting Scholar, Institute for the History of Natural Sciences, Chinese Academy of Sciences, Beijing, China, March 27–June 30, 2006; September 1–November 30, 2007): History of mechanics and history of technology project: Development of mechanical knowledge in China and its interaction with other cultural traditions; completion of the comprehensive Chinese edition and commentary of the first Chinese book on Western mechanical Qiqi Tushuo. (Concluding publication of the Partner Group Project).

Rafael Ziegler (Predoctoral Research Fellow, Department of Philosophy, McGill University, Montreal, Quebec, Canada, September 1, 2005–June 30, 2006): Of telescopes and footprints—(sustainability) indicators, statistical observation and political perception.

Rafaela Teixeira Zorzanelli (Predoctoral Research Fellow, Instituto de Medicina Social, Universidade do Estado do Rio de Janeiro, Brazil, September 1, 2006–January 31, 2007): The impact of neurosciences in the psychosomatic field.

Prof. Dr. Dahai Zou (Postdoctoral Research Fellow, Institute for the History of Natural Sciences, Chinese Academy of Sciences, Beijing, China, March 27–June 30, 2006): History of mechanics history of technology project: Development of mechanical knowledge in China and its interaction with other cultural traditions.

Collaborations and Other External Activities

Memberships

The Institute is member of the Agricola-Gesellschaft, the Gesellschaft für Wissenschaftsgeschichte and the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik.

Professorships

Lorraine Daston is honorary professor at the Humboldt-Universität zu Berlin,
Dieter Hoffmann is außerplanmäßiger Professor at the Humboldt-Universität zu Berlin,
Ursula Klein is außerplanmäßige Professorin at the Universität Konstanz,
Wolfgang Lefèvre is außerplanmäßiger Professor at the Freie Universität Berlin,
Jürgen Renn is adjunct professor at Boston University and honorary professor at the Humboldt-Universität zu Berlin,
Hans-Jörg Rheinberger is honorary professor at the Technische Universität Berlin.

Cooperation Partners

Berliner Medizinhistorisches Museum der Charité
 Bibliotheca Hertziana—Max-Planck-Institut für Kunstgeschichte, Rome, Italy
 Centre Alexandre Koyré, Paris, France
 Cluster of Excellence Topoi, Humboldt-Universität zu Berlin
 Comenius Garten, Berlin
 Consejo Superior de Investigaciones Científicas, Spain
 Department of Philosophy, University of Haifa, Israel
 Deutsches Museum, München
 Fakultät Medien, Bauhaus-Universität Weimar
 Freie Universität Berlin
 Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin
 Hermann von Helmholtz-Zentrum für Kulturtechnik, Humboldt-Universität zu Berlin
 Historisches Seminar, Universität Wuppertal
 Indiana University Bloomington, U.S.A.
 Institute for the History of Natural Sciences, Chinese Academy of Sciences, Beijing, China
 Istituto e Museo di Storia della Scienza, Florence, Italy
 Kunsthistorisches Institut in Florenz, Max-Planck-Institut, Italy
 Max-Born-Institut für Nichtlineare Optik und Kurzzeitspektroskopie, Berlin
 Max-Planck-Institut für ausländisches öffentliches Recht und Völkerrecht, Heidelberg
 McGill University, Montreal, Canada
 Monash University, Melbourne, Australia
 Mongolian Academy of Science, Ulan Bator, Mongolia
 Moritz-Schlick-Forschungsstelle, Universität Rostock
 Museum für Naturkunde, Berlin
 Opera di Santa Maria del Fiore, Florence, Italy
 Palace Museum, Beijing, China
 School of Life Sciences at Arizona State University, Tempe, U.S.A.
 Sonderforschungsbereich Transformationen der Antike, Humboldt-Universität zu Berlin

The Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv
University, Israel
Universidad Nacional Autónoma de México
Universidade do Estado do Rio de Janeiro, Brazil
Università degli studi di Pavia, Italy
Universiteit van Amsterdam, The Netherlands
University of California at Los Angeles, U.S.A.
University of Chicago, U.S.A.
University of Exeter, U.K.
Wellcome Trust Centre for the History of Science and Medicine, London, U.K.
Zentrum für Literatur- und Kulturforschung, Berlin

Teaching Activities

Winter 2005/06

Christina Brandt: 15. Studientag Wissenschaftsgeschichte (Kolloquium, MPIWG)

Lorraine Daston: Natural Law in Early Modern Europe (Seminar, University of Chicago)

Uljana Feest: Erklären und Verstehen aus philosophischer und historischer Sicht (Proseminar, Freie Universität Berlin)

Erna Fiorentini: Comment on Barbara Maria Stafford's "The return of autonomy: From the aesthetic to the cognitive object", 6.2.2006 (Lecture Series "Ästhetische Autonomie?") (Lecture, Freie Universität Berlin)

Ursula Klein: Geschichte und Philosophie der experimentellen Wissenschaften—Stile des Experimentierens II (Kompaktseminar, Universität Konstanz)

Annik Pietsch: WMK MG 4.1 Werkstoff- und Materialkunde (Lecture, Fachhochschule für Technik und Wirtschaft Berlin)

Annik Pietsch: WMK MG 4.3 Werkstoff- und Materialkunde (Lecture, Fachhochschule für Technik und Wirtschaft Berlin)

Hans-Jörg Rheinberger: Die Historisierung der Epistemologie—Zur Geschichte des Nachdenkens über Wissenschaft im 20. Jahrhundert (Hauptseminar, Technische Universität Berlin)

H. Otto Sibum: Industrielle Aufklärung: Arbeit, Wissen, Wissenschaft (Seminar, Technische Universität Braunschweig)

Martina Siebert: Klassisches Chinesisch I (Sprachkurs, Humboldt-Universität zu Berlin)

Fernando Vidal: The Cerebral Subject in Literature and Film (Seminar, State University of Rio de Janeiro)

Annette Vogt: Lise Meitner und Friedrich Meinecke: Erinnerungspolitik in der Berliner Wissenschaft (with Peter Th. Walther) (Proseminar, Humboldt-Universität zu Berlin)

Summer 2006

Charlotte Bigg: Atombilder (atomic images) (Seminar, Humboldt-Universität zu Berlin)

Christina Brandt: Geschichte und Wissenschaftstheorie der Biologie (with Bernd Gausemeier) (Lecture and Seminar, Freie Universität Berlin)

Christina Brandt: Klonierung und Stammzellenforschung. Wissenschaftshistorische, kulturwissenschaftliche und ethische Aspekte (Seminar, Technische Universität Braunschweig)

Uljana Feest: Der Begriff der Beobachtung in der Philosophie des 20. Jahrhunderts (Proseminar, Technische Universität Berlin)

Bernd Gausemeier: Geschichte und Wissenschaftstheorie der Biologie (with Christina Brandt) (Lecture and Seminar, Freie Universität Berlin)

Anke te Heesen: Wissenschaft und Öffentlichkeit. Zwischen Res Publica Litteraria und Weltgesellschaft (Seminar, ETH Zürich)

Bernhard Kleeberg: Aggressionskulturen zwischen Vormoderne und Moderne (with Albert Schirrmeyer) (Blockseminar, Humboldt-Universität zu Berlin)

Bernhard Kleeberg: Armut und sozialer Aufstieg—Theorien des Lebensstandards im 19. Jahrhundert (Kompaktseminar, Universität Konstanz)

Maria E. Kronfeldner: Der Begriff der Evolution in Biologie, Philosophie und Sozialwissenschaften (Blockseminar, Universität Regensburg)

Julia Kursell: Theorie und Praxis der Deklamation in der Avantgarde (Hauptseminar, Freie Universität Berlin)

Annik Pietsch: Konservierungs- und Restaurierungstechnik (Lecture, Fachhochschule für Technik und Wirtschaft Berlin)

Annik Pietsch: Konservierungs- und Restaurierungstechnik; Reinigung (Praktikum, Fachhochschule für Technik und Wirtschaft Berlin)

Annik Pietsch: WMK MG 4.2 Werkstoff- und Materialkunde (Lecture, Fachhochschule für Technik und Wirtschaft Berlin)

Martina Siebert: Klassisches Chinesisch II (Sprachkurs, Humboldt-Universität zu Berlin)

Annette Vogt: Emigranten—Remigranten: Von der Weimarer Republik ins deutschsprachige Nachkriegseuropa (with Peter Th. Walther) (Proseminar, Humboldt-Universität zu Berlin)

Winter 2006/07

Christina Brandt: Klassiker der Wissenschaftsgeschichte. Eine Einführung (Seminar, Technische Universität Braunschweig)

Anke te Heesen: Exhibition and Cultural Communication Management (Seminar, Universität für angewandte Kunst Wien)

Philipp von Hilgers: Medien und Zeit (Seminar, Humboldt-Universität zu Berlin)

Christoph Hoffmann: Parallelwelten. Das fremde Tier in Literatur und Wissenschaft, 1880–1930 (Seminar, Europa-Universität Viadrina Frankfurt/Oder)

- Dieter Hoffmann*: Max Planck (Lecture, Humboldt-Universität zu Berlin)
- Carsten Reinhardt*: Einführung in die Wissenschaftsgeschichte (Seminar, Universität Bielefeld)
- Carsten Reinhardt*: Geschichte des Expertenwissens (Seminar, Universität Bielefeld)
- Hans-Jörg Rheinberger*: Die Historisierung der Epistemologie, Teil II—Zur Geschichte des Nachdenkens über Wissenschaft im 20. Jahrhundert (Hauptseminar, Technische Universität Berlin)
- Matthias Schemmel*: Die Entstehung einer Wissenschaft: Mechanik von der Antike bis in die frühe Neuzeit (Proseminar, Universität Bern)
- Matthias Schemmel*: Transformationen des Raumbegriffs: Die Geschichte der Vorstellungen vom physikalischen Raum von der Antike bis in die Gegenwart (Seminar, Humboldt-Universität zu Berlin)
- Martina Siebert*: Klassisches Chinesisch III (Sprachkurs, Humboldt-Universität zu Berlin)
- Thomas Sturm*: Early Modern Philosophy of Mind and Psychology (Seminar, Universität Autònoma de Barcelona)

Summer 2007

- Christina Brandt*: Geschichte und Wissenschaftstheorie der Biologie (with Bernd Gausemeier) (Lecture and Seminar, Freie Universität Berlin)
- Christina Brandt*: Von Menschen, Tieren, Dingen und Retorten. Naturwissenschaftliche Experimentalsysteme im 20. Jahrhundert (Seminar, Technische Universität Braunschweig)
- Tobias Cheung*: Texte zur Theorie und Epistemologie wissenschaftlichen Wissens (I) (Hauptseminar, Humboldt-Universität zu Berlin)
- Bernd Gausemeier*: Geschichte und Wissenschaftstheorie der Biologie (with Christina Brandt) (Lecture and Seminar, Freie Universität Berlin)
- Christian Joas*: Quantenmechanik (Seminar, Freie Universität Berlin)
- Ursula Klein*: Geschichte des Atomismus (Kompaktseminar, Universität Konstanz)
- Maria E. Kronfeldner*: Daniel Dennett: Darwin's Dangerous Idea (Proseminar, Freie Universität Berlin)
- Dietmar Kurapkat*: Bauaufnahme und Bauforschung (Praxisblöcke vor Ort und Projektbesprechungen) (Project integrated seminar, Technische Universität Berlin)
- Martina Siebert*: Klassisches Chinesisch IV (Sprachkurs, Humboldt-Universität zu Berlin)
- Matteo Valleriani*: Antike Wissenschaft und technologische Entwicklung in der Literatur der frühen Neuzeit. Das Beispiel der Hofliteratur im 16. Jahrhundert: Ariostos Orlando Furioso (Hauptseminar, Humboldt-Universität zu Berlin)
- Fernando Vidal*: Neuroasceticism and Neuroethics: Discourses and Practices (Seminar, State University of Rio de Janeiro)

Winter 2007/08

Christina Brandt: Lebenswissenschaften um 1800 (with Bettina Wahrig) (Seminar, Technische Universität Braunschweig)

Tobias Cheung: Weltanschauung und Wissenschaft in Zeiten der 'Krise' (1870–1940) (Hauptseminar, Humboldt-Universität zu Berlin)

Lorraine Daston: Lives of the Mind (Seminar, University of Chicago)

Lorraine Daston: Observation in Early Modern Europe (Seminar, Folger Institute, Washington, D.C.)

Philipp von Hilgers: Medienbedingte Gleichzeitigkeiten und Ungleichzeitigkeiten des Wissens (Seminar, Humboldt-Universität zu Berlin)

Christoph Hoffmann: Erzählen als Problem (Einführung in das BA-Modul Literaturwissenschaft) (Seminar, Europa-Universität Viadrina Frankfurt/Oder)

Dieter Hoffmann: Orte der Wissenschaft in Berlin (Übung, Humboldt-Universität zu Berlin)

Ursula Klein: Francis Bacon: Experiment, wissenschaftliche Methode, Sozialutopie (Blockseminar, Universität Konstanz)

Maria E. Kronfeldner: Die Philosophie von William James (Blockseminar, Universität Regensburg)

Dietmar Kurapkat: Bauaufnahme und Bauforschung (Praxisblöcke vor Ort und Projektbesprechungen) (Project integrated seminar, Technische Universität Berlin)

Matthias Schemmel: Im Grenzbereich von Wissenschaftsgeschichte und Wissenschaftstheorie: Fragen einer theoretischen Wissenschaftsgeschichte (Proseminar, Humboldt-Universität zu Berlin)

Thomas Sturm: Early Modern Philosophy of Mind and Psychology (Seminar, Universitat Autònoma de Barcelona)

Annette Vogt: Von der Preußischen FWU Berlin zur HU Berlin: Wissenschaft und Politik in 3 Systemen (1919–1961) (with Peter Th. Walther) (Proseminar, Humboldt-Universität zu Berlin)

Hosted Scholars

The institutions listed below funded 35 scholars in 2006 and 41 scholars in 2007. The average duration of their stay was 5 months.

Alexander-von-Humboldt-Stiftung

Australian National University

Australian Research Council

Bank of Sweden, Tercentenary Foundation

CAPES (Brazilian agency for the advanced training of university personnel)

Center for Advanced Study in the Visual Arts (CASVA)

Centre National de la Recherche Scientifique

Columbia University, New York, U.S.A.

Consejo Superior de Investigaciones Científicas, Spain

Consiglio Nazionale delle Ricerche, Italy

Deutsche Forschungsgemeinschaft
Deutscher Akademischer Austauschdienst
Dr. H. A.Vögelin-Bienz-Stiftung für das Staatsarchiv Basel Stadt, Switzerland
Economic and Social Research Council, U.K.
Fondation des Treilles, France
Freie Universität Berlin
Fritz-Haber-Institut der Max-Planck-Gesellschaft
Fritz-Thyssen-Stiftung
Fundação de Amparo à Pesquisa do Estado de São Paulo, Brazil
Gerda Henkel Stiftung
German-Israeli Foundation for Scientific Research and Development
Institut National de la Santé Et de la Recherche Médicale, France
Kunsthistorisches Institut in Florenz
Leverhulme Trust, U.K.
Liechtenstein Fonds for the History of Science
McArthur Foundation
McGill University, Montreal, Canada
Netherlands Organization for Scientific Research
Princeton Bicentennial Preceptorship, U.S.A.
Princeton University, U.S.A.
Research Foundation—Flanders (FWO)
Schweizerischer Nationalfonds
Social Sciences and Humanities Research Council of Canada
Swedish Research Council—The Centre for Baltic and East European Studies (CBEES)
U.S. National Science Foundation
University of California at Berkeley, U.S.A.
University of California at Los Angeles, U.S.A.
University of Cambridge, U.K.
University of Copenhagen, U.S.A.
University of Michigan at Ann Arbor, U.S.A.
University of Oslo, Norway
VolkswagenStiftung

Conferences, Workshops, and Colloquia

Workshops and Conferences

18 January 2006: Kunstmaschinen. Spielräume des Sehens zwischen Wissenschaft und Ästhetik

30 March 2006: Cultural History of Heredity

1–2 April 2006: ‘Materia technologica’—Rohstoffe in historischer Perspektive

- 22 April 2006:** 15. Studientag Wissenschaftsgeschichte
- 5–6 May 2006:** Introspective Self-Rapports: Shaping Ethical and Aesthetic Concepts 1850–2006
- 12–13 May 2006:** A Glance into the Prime of Prussian Culture: Karl Friedrich Schinkel’s “Blick in Griechenlands Blüte” and Prussian Cultural Narratives around 1820
- 13 May 2006:** Lange Nacht der Wissenschaften
- 18 May 2006:** La politique des grands nombres. Autour d’Alain Desrosières (organized with Centre Marc Bloch, Berlin and Centre Alexandre Koyré, Paris)
- 5–9 June 2006:** History of Scientific Objects (meeting of the Wandering Seminar)
- 9–11 June 2006:** Historical Perspectives on “Erklären” and “Verstehen”
- 23–24 June 2006:** Generating Knowledge with the Microscope
- 26–30 June 2006:** History of Scientific Observation
- 30 June, 2006, 26 January, and 12 June 2007:** ZwischenRäume: Castles in the Air; Idées fixes; Time Leaps. Three workshops organized with the Helmholtz-Zentrum für Kulturtechnik, HU Berlin, the Zentrum für Literatur- und Kulturforschung, and the Institut für Deutsche und Niederländische Philologie, FU Berlin
- 14–16 July 2006:** Dilettantismus als Beruf—Professional Dilettantism
- 20–23 July 2006:** Inside the Camera Obscura
- 29 July 2006:** 1. Studientag “literature & science”
- 2–4 August 2006:** The Cerebral Subject. Practices and Representations in Contemporary Culture. Organized with the Institute for Social Medicine of the State University of Rio de Janeiro, Brazil
- 3–5 August 2006:** The Making of Materials II
- 24–25 August 2006:** On Knowing in the Human Sciences
- 18–19 September 2006:** Board Meeting of the Islamic Scientific Manuscripts Initiative
- 5–7 October 2006:** Sounds of Science—Schall im Labor (1800–1930)
- 5 October and 12 December, 2006, 15 February, 8 March, 12 April, 3 May, 7 June, 5 July, and 24 October, 2007:** Physiologie des Klaviers. Concerts and talks, organized with the Musikinstrumenten-Museum SIMPK Berlin
- 20–21 October 2006:** On the Responsibilities in the Human Sciences. Organized with the University of Chicago
- 30 November–2 December 2006:** Ways of Regulating: Therapeutic Agents between Plants, Shops and Consulting Rooms
- 1–2 December 2006:** From Real Life to Still Life
- 7–9 December 2006:** Creating Shapes in Civil and Naval Architecture—A Cross-Disciplinary Comparison
- 9 December 2006:** Bad Habits. Second Nature between Environment and Self-Control
- 11–13 December 2006:** A Cultural History of Heredity IV
- 13–16 December 2006:** Before Copernicus
- 23–25 January 2007:** GIF Working Group Meeting: Jesuit Mechanics
- 1–4 March 2007:** Times of Cloning. Historical and Cultural Aspects of a Biotechnological Research Field

- 22–24 March 2007:** Precarious Matters. The History of Dangerous and Endangered Substances in the 19th and 20th Centuries
- 13 April 2007:** 16. Studientag Wissenschaftsgeschichte
- 24–25 May 2007:** Wissen im Entwurf 1
- 24–25 May 2007:** Materialprobe 1: Datensicherung. Schreiben und Zeichnen als Verfahren der Aufzeichnung
- 31 May–3 June 2007:** Lay Participation in the History of Scientific Observation
- 6 June 2007:** Panel Discussion: Wissen für alle! Popularisierung der Wissenschaften zwischen Belehrung, Manipulation und Aufklärung
- 14–16 June 2007:** Generating Experimental Knowledge
- 23–29 June 2007:** Eleventh Marcel Grossmann Meeting. On Recent Developments in Theoretical and Experimental General Relativity, Gravitation, and Relativistic Field Theories
- 2–6 July 2007:** HQ-1 Conference on the History of Quantum Physics
- 3–6 July 2007:** The History of Scientific Observation
- 9–13 July 2007:** From Invention to Innovation. The Transmission of Practical Knowledge
- 14 July 2007:** 2. Studientag “literature & science”
- 26–28 July 2007:** Ruptures. Music, Science, Philosophy, and Modernity
- 1 August 2007:** Nachlese/Afterthoughts 1: Vor dem ersten Strich/Before the First Line
- 6–8 August 2007:** Before Copernicus (2)
- 16–18 August 2007:** Meeting of the Wandering Seminar
- 16 August–2 September 2007:** Objects in Transition: Exhibition of the Wandering Seminar
- 20–22 September 2007:** Microscope Slides: Reassessing a Neglected Historical Resource
- 28–30 September 2007:** Wunder. Organized with the Comenius Garden Berlin
- 4–6 October 2007:** Marc Bloch und die Krisen des Wissens—Marc Bloch et les crises du savoir
- 15–16 October 2007:** Materialprobe 2: Symptomatik des Zeichnens und Schreibens
- 3 November 2007:** Life and Societies. Toward a New Ecology of the Living
- 16 November 2007:** Galilean Lectures. Berlin Edition 2007: Galileo and Technology
- 18–23 November 2007:** Dahlem Workshop: The Globalization of Knowledge and its Consequences
- 11–12 December 2007:** Symposium for the 125th Anniversary of Max Born

The Institute’s Colloquia

- 19 April 2006** *Martin Barnes* Visual Culture of Science
- 31 May 2006** *Thomas Gieryn* History of Science and Sociology of Science
- 7 June 2006** *James Bennett* Curating the History of Science
- 14 June 2006** *Jakob Tanner* Producing Knowledge, Appropriating Knowledge
- 2 August 2006** *Michael Eckert* Fluid Dynamics in the Early 20th Century—
a Challenge for the Historian of Science

23 August 2006 *Anna Märker, Susanne Pickert* The “Wandering Seminar” of the Max Planck Research Network “History of Scientific Objects”

29 November 2006 *Dagmar Schäfer, Martina Siebert, Feng Jiren* From Invention to Innovation: Cultural Traditions of Technical Development in China 10th to 18th Century

13 December 2006 *Kelley Wilder, Simone Rieger, Urs Schoepflin* Fair Use. Scholarly Publishing and the Issues of Cultural Heritage, Visual Images, Reproduction Fees, and Copyrights

17 January 2007 *Ernst Homburg* Groping Along the Track. A Historical Perspective on Industrial and Academic Research

21 February 2007 *Lorraine Daston, Jürgen Renn, Hans-Jörg Rheinberger* What Is Historical Epistemology?

7 March 2007 *Lothar Beck, Harald Müller, Urs Schoepflin* Scholarly Publishing and Issues of Copyright Law and Archival Law

25 April 2007 *Dieter Kuhn* Science and Technology in China—History and Historiography (1): Technology in the Context of Chinese Civilization: Tracing the Roots of the Chinese homo faber.

23 May 2007 *Benjamin Elman* Science and Technology in China—History and Historiography (2): Catholics, Protestants, and the Transmission of Science to Imperial China

18 July 2007 *Nathan Sivin* Science and Technology in China—History and Historiography (3): Europe, East Asia, South Asia, Middle East: One History of Science or Many?

28 November 2007 *Jean Gayon* The book: “Heredity Produced—At the Crossroads of Biology, Politics, and Culture, 1500–1870” edited by Staffan Müller-Wille and Hans-Jörg Rheinberger

Academic Achievements and Scientific Awards

Completed Dissertations

Björn Brüsck (see p. 130), *Luciana Vieira Caliman* (see p. 98), *Susanne Pickert* (see p. 87), *Christelle Gramaglia* (see p. 78), *Hanna Rose Shell* (see p. 89), *Matthias Schemmel* (see p. 29), *Katrin Solhdju* (see p. 130), *Milena Wazeck* (see p. 47–48).

Appointments

Jan Altmann (Predoctoral Research Fellow September 2005–August 2006) was appointed as Research Fellow at the Internationales Forschungszentrum für Kulturwissenschaften Wien.

Safia Azzouni (Postdoctoral Research Fellow October 2004–September 2007) was appointed as Alfried Krupp Junior Fellow 2007/2008 at the Alfried Krupp Wissenschaftskolleg Greifswald.

Beat Bächli (Predoctoral Research Fellow October 2006–March 2007) was appointed as Research Scholar at the Institute for Science and Technology Studies (IWT), University of Bielefeld.

Bruno Belhoste (Visiting Scholar July–August 2007) was appointed as professor of history of science at the Université Paris 1 Pathéon-Sorbonne.

Cornelius Borck (Karl Schädler Postdoctoral Research Fellow April 1998–March 2001) was appointed as professor of history of medicine and science at the Universität zu Lübeck.

Brita Brenna (Postdoctoral Research Fellow August 2005–January 2006) was appointed as Researcher at the the University of Oslo, Centre for Technology, Innovation and Culture, Norway.

Luciana Vieira Caliman (Predoctoral Research Fellow April 2004–March 2005) was appointed as Associate Professor and Postdoctoral Fellow at the Postgraduate Program of Psychology, Universidade do Estado do Rio de Janeiro, Brazil.

Zeynep Celik (Predoctoral Research Fellow September 2005–August 2006) was appointed as Paul Mellon Fellow at the Center for Advanced Study in the Visual Arts, National Gallery of Art, Washington D.C., U.S.A.

Tobias Cheung (Postdoctoral Research Fellow March–August 2007) was appointed as Heisenberg Fellow at the Humboldt-Universität zu Berlin, Kulturwissenschaftliches Seminar.

Jacob Lebovitch Dahl (Research Scholar April 2007–September 2008) was appointed as University Lecturer at the Oxford University, U.K.

Sven Dierig (Research Scholar July 1997–March 2006) was appointed as Manager of Science Communication at the Institut für Nanotechnologie, Forschungszentrum Karlsruhe GmbH, Germany.

Igal Dotan (Postdoctoral Research Fellow November 2004–November 2007) was appointed as Project Manager at the the Center for Futurism in Education, Ben-Gurion University, Beer Sheva, Israel.

Ulrike Fauerbach (Postdoctoral Research Fellow January–January 2006) was appointed as wissenschaftliche Referentin at the the German Archaeological Institute, Dept. Cairo, Egypt.

Uljana Feest (Research Scholar October 2003–September 2006) was appointed as Forschungsdozentin at the Institut für Philosophie, Wissenschaftstheorie, Wissenschafts- und Technikgeschichte, Technische Universität Berlin, Germany.

Brian Fuchs (Research Scholar May 2001–December 2006) was appointed as Researcher at the eSciDoc project of the Max Planck Society.

Elodie Giroux (Predoctoral Research Fellow October 2005–May 2006) was appointed as Maitre de conférences at the Université de Lyon 3.

Frédéric Graber (Postdoctoral Research Fellow) was appointed as Professeur Agrégé at the Institut National de Recherche Pédagogique, Lyon, France.

Christelle Gramaglia (Predoctoral Research Fellow September 2005–August 2006) was appointed as Research Fellow at the Centre Machinisme Agricole Génie Rural Eaux et Forêts, Montpellier, France.

Susanne B. Keller (Research Scholar September 2005–October 2006) was appointed as Research Associate at the Altonaer Museum für Kunst und Kulturgeschichte, Hamburg, Germany.

Bernhard Kleeberg (Research Scholar September 2003–December 2006) was appointed as Juniorprofessor at the Universität Konstanz, Germany.

Dietmar Kurapkat (Research Scholar October 2005–September 2007) was appointed as wissenschaftlicher Mitarbeiter at the Technische Universität Berlin, Germany.

Rhodri Lewis (Postdoctoral Research Fellow September 2005–August 2007) was appointed as Tutorial Fellow in English Language and Literature at the St. Hugh's College, University of Oxford, U.K.

Anna Märker (Postdoctoral Research Fellow October 2005–August 2007) was appointed as Lecturer in the History of Medicine at the Oxford Brookes University, U.K.

Susanne Pickert (Predoctoral Research Fellow January 2004–December 2007) was appointed as Scholar in Residence at the Deutsches Museum, Munich, Germany.

Carsten Reinhardt (Research Scholar March 2006–March 2007) was appointed as Professor at the Institute for Science and Technology Studies (IWT), University of Bielefeld, Germany.

Matthias Schemmel (Research Scholar July 2003–March 2008) was appointed as Head of Junior Research Group at the Excellence Cluster 264 “Topoi”.

H. Otto Sibum (Research Group Director October 1998–August 2007) was appointed as Hans Rausing Professor of History of Science and the Director of the Office for History of Science at the Uppsala University, Sweden.

Katrin Solhdju (Predoctoral Research Fellow January 2004–December 2006) was appointed as wissenschaftliche Mitarbeiterin at the Zentrum für Literaturforschung, Berlin, Germany.

Anke te Heesen (Research Scholar October 1999–September 2006) was appointed as Director of the University Museum and Professor für empirische Kulturwissenschaft at the University Tübingen, Germany.

Jeremy Vetter (Postdoctoral Research Fellow September 2005–December 2006) was appointed as Assistant Professor for Environmental History and History of Science at the Dickinson College, Pennsylvania, U.S.A.

Janina Wellmann (Postdoctoral Research Fellow March–September 2007) was appointed as Postdoctoral Fellow at the Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University, Israel.

Kelley Wilder (Research Scholar September 2005–August 2008) was appointed as Senior Research Fellow at the De Montfort University, Leicester, U.K.

Awards

The exhibition “Albert Einstein, Chief Engineer of the Universe” was awarded the International Museum Communication Award in bronze.

Charlotte Bigg's dissertation “Behind the Lines: Spectroscopic Enterprises in Early Twentieth-Century Europe” was awarded the Paul-Bunge-Preis of the Gesellschaft Deutscher Chemiker.

The thesis of *Christina Brandt*, “Metapher und Experiment. Von der Virusforschung zum genetischen Code,” was awarded the Dalberg-Preis für transdisziplinäre Nachwuchsforschung by the Bauhaus Universität Weimar.

The article “Darwinian ‘blind’ hypothesis formation revisited” by *Maria Kronfeldner* was awarded the Karl Popper Essay Prize 2006/07 of the British Society for the Philosophy of Science.

Anke te Heesen, Research Scholar at the MPIWG 1999–2006 was awarded the prize of the Aby-Warburg-Stiftung Hamburg 2006.

Laura Otis, Visiting Scholar at the MPIWG, was awarded the Prize for the Outstanding Book in the History of the Neurosciences by the International Society of the Neurosciences (ISHN).

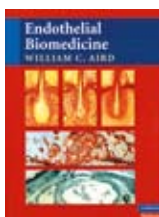
Hans-Jörg Rheinberger was awarded an honorary doctorate by the ETH Zurich and the Cogito Prize 2006.

The thesis of *Matthias Schemmel* “The English Galileo: Thomas Harriot’s Work on Motion as an Example of Preclassical Mechanics” was awarded the Georg-Uschmann-Preis für Wissenschaftsgeschichte from the German Academy of Sciences Leopoldina and the prize for junior scientists from the Georg-Agricola-Gesellschaft.

Henning Schmidgen’s essay “The Donder’s Machine: Matter, Signs, and Time in a Physiological Experiment, ca. 1865” was awarded the 2007 Schachterle Prize.

Margarete Vöhringer, Predoctoral Fellow at the MPIWG between 2001 and 2004, was awarded the Wilhelm-Ostwald-Anerkennungspreis 2007.

Janina Wellmann, Fellow at the MPIWG between 1999 and 2007, was awarded the Förderpreis 2008 of the Berlin-Brandenburg Academy of Sciences and Humanities.



1

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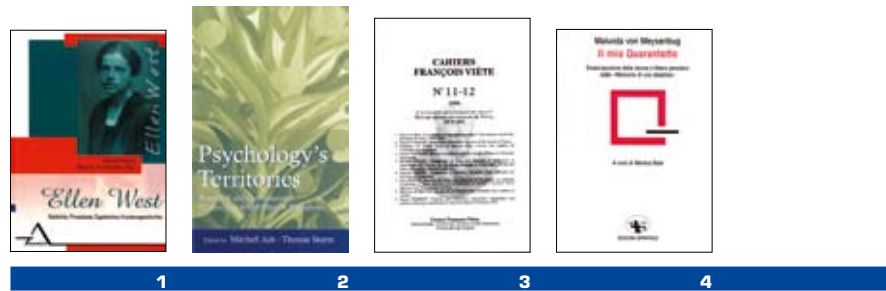
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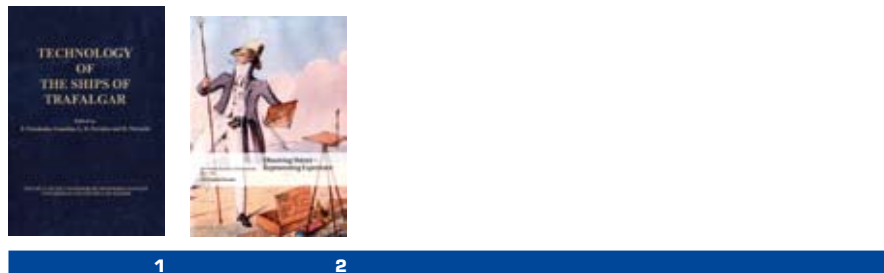
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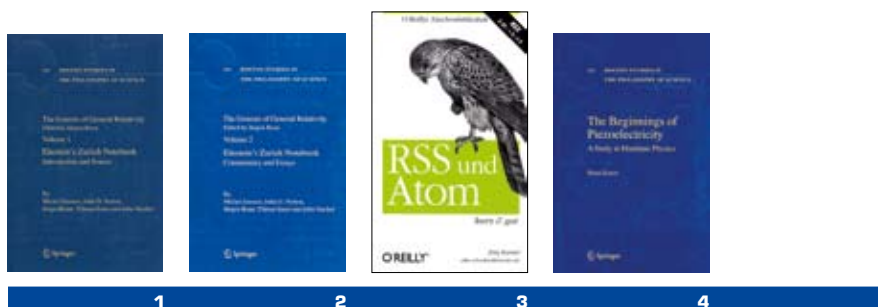
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