

BOOK PRESENTATION

Memorandum

E. Rehbinder, M. Engelhard, K. Hagen, R. B. Jørgensen, R. Pardo Avellaneda, A. Schnieke, F. Thiele: *Pharming. Promises and risks of biopharmaceuticals derived from genetically modified plants and animals*. Springer-Verlag, Berlin, ISBN: 978-3-540-85792-1

Further publications of this project:

M. Engelhard, K. Hagen, M. Boysen (Eds) *Genetic Engineering in Livestock. New Applications and Interdisciplinary Perspectives*. Springer-Verlag, Berlin, ISBN: 978-3-540-85842-3

M. Engelhard, K. Hagen, F. Thiele (Eds.) *Pharming. A New Branch of Biotechnology*. Graue Reihe No. 43. Europäische Akademie. Bad Neuenahr-Ahrweiler, 2007

Contact and Registration

Europäische Akademie GmbH

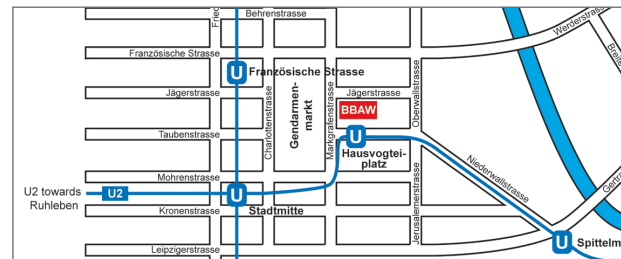
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Venue

**Berlin-Brandenburgische Akademie
der Wissenschaften, Berlin**

Venue

**Berlin-Brandenburgische Akademie
der Wissenschaften (BBAW)**
Einstein-Saal (5th floor)
Jägerstr. 22–23 / Gendarmenmarkt
10117 Berlin
Germany



How to get there

From Tegel airport:

Bus TXL to *Unter den Linden/Friedrichstraße*, walk down Friedrichstraße, turn left into Französische Straße, right into Markgrafenstraße (10 minutes walk or tube U6, see plan above).

From Schönefeld airport:

AirportExpress to *Friedrichstraße*, proceed as above.

From main railway station:

Regional train (S-Bahn) to *Friedrichstraße*, proceed as above.

PHARMING

PROMISES AND RISKS OF
BIOPHARMACEUTICALS DERIVED
FROM GENETICALLY MODIFIED
PLANTS AND ANIMALS

30th October 2008, 18.30hrs

Berlin-Brandenburgische Akademie der Wissenschaften
(BBAW), Berlin

Pharming

Recent scientific advances have made it possible to produce biopharmaceuticals in genetically modified plants and animals, such as maize, tobacco, goats, and chickens. This new branch of biotechnology is termed *pharming*, composed of the terms *pharmaceuticals* and *farming*. Pharming constitutes an overlap of red and green biotechnology. It offers the prospect of a quicker, cheaper, and more flexible production of biopharmaceuticals compared with current production processes. This is a promising perspective in light of the rapidly growing market of biopharmaceuticals, although the economic competitiveness of pharming remains to be proven. Besides possible benefits for producers, patients and health care systems, pharming also raises a number of complex ecological, social, moral and legal questions that have as yet not been thoroughly discussed.

The present book contains the findings of an interdisciplinary research project that has addressed a large range of questions associated with pharming: An analysis of the state-of-the-art of plant pharming and animal pharming technologies is followed by an assessment of environmental risks related to pharming and welfare risks for pharming animals. Public views and attitudes to pharming are investigated on the basis of a comprehensive survey in 15 countries. Moreover, ethical and legal questions, posed by present and foreseeable future practices of pharming, are analysed. The concluding chapter presents the authors' main findings and recommendations, addressed to science, industry, politics and general public interested in the chances and risks of this upcoming field of biotechnology.

The project is funded by the German Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung).

Book Presentation

Thursday, 30th October 2008

18.30 Welcoming Address

Professor Dr. Dr. h.c. Carl Friedrich Gethmann
Director, Europäische Akademie GmbH

Report Presentation

Dr. Margret Engelhard
Professor Rafael Pardo-Avellaneda, Ph.D.
Professor Dr. Eckard Reh binder

19.30 Discussion in the presence of all authors

20.00 Reception

Authors

Chair: Professor Dr. jur. Eckard Reh binder

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