

6th EMBO/EMBL joint conference on Science and Society
"Science and Security"
28-29 October 2005
EMBL Operon, Meyerhofstr. 1, 69117 Heidelberg, Germany

PROGRAMME

Friday, 28 October

8:00 *Bus transfer from the town center (pick up point: corner between Bismarkplatz and Bergheimerstrasse - outside Chinese take-away "Grosse Wok")*

8:15-8:45 Registration

8:45-9:00 Welcome addresses:

Iain Mattaj, Director General, European Molecular Biology Laboratory, Heidelberg, Germany
Andrew Moore, Chair, Conference Organising Committee, and Science and Society Programme Manager, European Molecular Biology Organization, Heidelberg, Germany

9:00 Session I: Preventing the misuse of biological knowledge

Introduction: Malcolm Dando (session chair), Department of Peace Studies, Bradford University, UK

Talks:

09:00-09:40 *Test tube synthesis of a human pathogenic virus (poliovirus): societal implications*
Eckard Wimmer, Stony Brook University School of Medicine, New York, USA

09:40-10:20 *The Good, the Bad and the Ugly: dancing the thin line between biological defensive and offensive research*
Jan van Aken, Sunshine Project Germany, and University of Hamburg, Germany

10:20-10:50 Coffee break

10:50-12:30 Panel discussion:

Jonathan B. Tucker, Centre for Non-proliferation Studies, Monterey Institute of International Studies, Washington, USA

Richard Guthrie, Stockholm International Peace Research Institute, Sweden

Filippa Corneliussen, Centre for the Study of Bioscience, Biomedicine, Biotechnology and Society (BIOS), London School of Economics, UK

Jeanne Guillemin, MIT Security Studies Program, and Professor of Sociology at Boston College, USA

12:30-14:00 Lunch

14:00 Session II: Security and the freedom of research
Introduction: Dragan Primorac (session chair), Minister
of Science, Education and Sports, Republic of Croatia

Talks:

14:00-14:40 *Governance of research - The international
dimension*
Terence Taylor, International Institute for Strategic
Studies, USA

14:40-15:20 *Empowerment and constriction in scientific
communication*
Philip Campbell, Editor in Chief, Nature, UK

15:20-15:50 Coffee break

15:50-17:30 Panel discussion:

Andrew Marshall, Editor, Nature Biotechnology, USA

Ross Anderson, Foundation for Information Policy
Research and Cambridge University, UK

Simone H. C. Scholze, UNESCO Social and Human Sciences
Sector, Division of Ethics of Science and Technology,
France

17:30-18:15 Award ceremony: EMBO Award for Communication in the
Life Sciences 2005

18:15-19:00 Aperitif

19:00-21:00 Conference dinner

21:00 *Bus transfer back to town, Bismarkplatz*

Saturday, 29 October

8:30 *Bus transfer from the town center (pick up point: corner
between Bismarkplatz and Bergheimerstrasse - outside
Chinese take-away "Grosse Wok")*

9:00 Session III: Science and technology of identification
Introduction: Calum Bunney (session chair),
International Biometric & Authentication Consulting
(IBAC), France

Talks:

9:00-9:40 *Watching you - Humanity hurtles toward total
surveillance*
David Shenk, Journalist and Book writer, USA

9:40-10:20 *Forensic human individualization from biometric
data*

Didier Meuwly, Netherlands Forensic Institute, The
Netherlands

10:20-11:00 *Recognising persons by their iris patterns: 200 billion iris comparisons*

John Daugman, Computer Laboratory, University of Cambridge, UK

11:00-11:30 Coffee break

11:30-12:30 Panel discussion:

Henning Daum, Fraunhofer Institute for Computer Graphics, Darmstadt, Germany

Birgitte Kofod Olsen, Danish Institute for Human Rights, Denmark

Christophe Champod, Ecole des Sciences Criminelles, Institut de Police Scientifique, Lausanne, Switzerland

12:30-14:00 Lunch

14:00 Session IV: Information technology in the knowledge society

Introduction: Regine Kollek (session chair), Research Center for Biotechnology, Society and the Environment, University of Hamburg, Germany

Talks:

14:00-14:40 *Biometrics and secure travel documents*

Christoph Busch, Fraunhofer-IGD, Dept. for Security Technology, Darmstadt, Germany

14:40-15:20 *The UK National DNA Database: balancing crime detection, human rights and privacy*

Helen Wallace, GeneWatch, UK

15:20-15:50 Coffee break

15:50-16:50 Panel discussion:

Karsten Weber, Department of Philosophy, European University Viadrina Frankfurt/Oder, Germany

Meryem Marzouki, LIP6/PolyTIC-CNRS and IRIS-Imaginons un Réseau Internet Solidaire, France

16:50-17:00 Closing remarks: Frank Gannon, Executive Director, EMBO

17:10 Conference ends

17:10 *Bus transfer back to town, Bismarkplatz*