

## ESF Research Conferences

A Programme of the European Science Foundation

Final  
Programme

### ESF-IfW Conference on The Global Health Economy

**New Technology and Medical Decision Making**

**Normative Models and Empirical Practice**

Salzau Castle (near Kiel) • Germany • 4 - 9 October 2006

**Chair:** Uwe Siebert • UMIT, Hall, AT & Harvard Medical School, Boston, US

**Co-Chair:** Peter Zweifel • University of Zürich, CH

[www.esf.org/conferences/sc06219](http://www.esf.org/conferences/sc06219)

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State Government of Schleswig-Holstein



<b>Wednesday</b> <b>4</b> <b>October</b>	10.00 – 18.45	Pre-conference Workshops, organized by the Kiel Institute's Public Policy Center	
	16.00 onwards	Registration at ESF-RC desk	
	20.00	Dinner	
	21.00	<b>Welcome Drink</b>	
<b>Thursday</b> <b>5</b> <b>October</b>	08.45 – 09.00	<b>Conference Opening</b> <b>Uwe Siebert</b> • UMIT, Hall, AT & Harvard Medical School, Boston, US & <b>Peter Zweifel</b> • University of Zürich, CH	
	<b>Session 1 • Trends in Medical Technology – Focusing Devices, Technological Trajectories, and Forecasting</b> Chair: Annetine C. Gelijns • Columbia University, New York, US		
	09.00 – 09.35	<b>Annetine C. Gelijns</b> • Columbia University, New York, US	<i>The Evolution of Medical Technology</i>
	09.35 – 10.10	<b>Karl Herholz</b> • University of Manchester, UK	<i>Trends in Medical Imaging and their Potential Impact on Diagnosis and Treatment</i>
	10.10 – 10.45	<b>Peter Propping</b> • University of Bonn, National Bioethics Council of Germany, DE	<i>Genetic Testing and Medical Decision Making</i>
	10.45 – 11.15	Coffee break	
	11.15 – 11.50	<b>Reiner Körfer</b> • University of Bochum, DE	<i>Trends in Transplantation Technology</i>
	11.50 – 12.25	<b>Georg Marckmann</b> • University of Tübingen, DE	<i>Ethical Limits of Modern Medical Technology</i>
	<b>Session 2 • The Science of Medical Decision Making – Producing &amp; Using Information for Efficient Risk Management</b> Chair: Peter Zweifel • University of Zürich, CH		
	12.25 – 13.00	<b>Mark Sculpher</b> • University of York, UK	<i>Decision Analysis as a Basis for Estimating Cost-effectiveness: The Experience of the National Institute for Health and Clinical Excellence in the UK</i>
	13.00	Lunch	
	14.00 – 14.35	<b>Louis Eeckhoudt</b> • Facultes Universitaires Catholiques de Mons, Université Catholique de Lille and Center for Operations Research and Econometrics at Louvain-la-Neuve, BE	<i>The Management of Risk and Uncertainty in Medical Decision Making</i>
	14.35 – 15.10	<b>Han Bleichrodt</b> • Erasmus University, Rotterdam, NL	<i>The Optimal Management of Co-morbidities and Related Risk</i>
	15.10 – 15.45	<b>Mark S. Roberts</b> • Pittsburgh School of Medicine, US	<i>The Efficient Allocation of Organ Transplants</i>
	15.45 – 16.00	Coffee break	
	16.00 – 16.35	<b>Danielle Timmermans</b> • University of Amsterdam, NL	<i>Informed Decision Making under Technological Change</i>
	16.35 – 17.10	<b>Torun Lindholm</b> • Stockholm University, SE	<i>Group Membership and Medical Decision Making</i>
17.10 – 17.45	<b>James K. Hammitt</b> • Harvard Center for Risk Analysis, Boston, US, and Université Toulouse I Sciences Sociales, FR	<i>Economic and Health Utility Measures in the Evaluation of Patients' Preferences for Health Risks and Outcomes</i>	

Short Oral Presentation			
17.45 – 18:10	<b>Paolo Pertile</b> • Catholic University Milan, IT	<i>An Extension of the Real Option Approach to the Evaluation of Health Care Technologies: The Case of Positron Emission Tomography</i>	
18:30	<b>Reception with Representatives from Schleswig-Holstein's State Government and the Initiativkreis Gesundheit</b> <b>Welcome Addresses by Dennis J. Snower, President of the Kiel Institute for the World Economy, and Hellmut Körner, Secretary of State for Health Policy and Social Affairs in Schleswig-Holstein</b>		
19:00	Dinner		
21.00	Poster Session		
Friday 6 October	<b>Session 3 • Medical Infrastructure, Insurance, and the Diffusion of Innovations</b> Chairs: <b>Karl Claxton</b> • University of York, UK & Harvard School of Public Health, US - <b>Joseph S. Pliskin</b> • Ben-Gurion University of the Negev, IL		
	09.00 – 09.35	<b>Karl Claxton</b> • University of York, UK, and Harvard School of Public Health, Boston, US <i>Value of Information Analysis: Implications for Research Priorities, Efficient Research Design and Regulation</i>	
	09.35 – 10.10	<b>David O. Meltzer</b> • University of Chicago, US <i>Diffusion of Innovations through Social Networks and the Origins of Medical Practice Variation</i>	
	10.10 – 10.45	<b>Don E. Detmer</b> • University of Virginia, American Medical Informatics Association, US <i>The Information Structure for Effective Evidence-based Medical Decision Making</i>	
	10.45 – 11.15	Coffee break	
	11.15 – 11.50	<b>Milagros García-Barbero</b> • WHO European Office for Integrated Health Care Services, Barcelona, ES <i>The eHealth Strategy of the WHO: Problems and Prospects</i>	
	11.50 – 12.25	<b>Fernando Martín-Sánchez</b> • Institute of Health "Carlos III", Madrid, ES <i>Molecular Medicine and Individualized Healthcare: Defining the Research Agenda</i>	
	12.25 – 13.00	<b>George I. Mihalas</b> • Victor Babes University of Medicine and Pharmacy, European Federation for Medical Informatics, RO <i>How Can Computer Simulations of Biological Processes Support Medical Decision Making?</i>	
	13.00	Lunch	
	14.00 – 18.00	<b>Excursion to the city of Lübeck, a UNESCO world cultural heritage site</b>	
	19.30	Dinner	
	21.00	Poster Session	

Saturday  
7  
October

<b>Session 3 (continued)</b> Chairs: Karl Claxton • University of York, UK & Harvard School of Public Health, US - Joseph S. Pliskin • Ben-Gurion University of the Negev, IL		
09.00 – 09.35	<b>Peter Zweifel</b> • University of Zürich, CH	<i>Insurance and the Diffusion of Medical Innovation – A Case of Interdependence</i>
09.35 – 10.10	<b>Joseph S. Pliskin</b> • Ben-Gurion University of the Negev, IL	<i>Decision Making in Acquiring Medical Technologies on the Hospital Level</i>
Short Oral Presentation		
10.10 – 10.35	<b>Percivil Carrera</b> • University of Heidelberg, DE	<i>Post-Unification Health Reforms in Germany: The Evolutionary Approach to Reforms and its Impact on Innovation</i>
10:35 – 11.00	Coffee break	
<b>Session 4 • Methods for Estimating the Causal Effect of Medical Interventions from Observational Data</b> Chairs: James M. Robins • Harvard School of Public Health, US - Stijn Vansteelandt • University of Ghent, BE		
11.00 – 11.40	<b>James M. Robins</b> • Harvard School of Public Health, Boston, US	<i>Methodological Approaches to Adjust for Time-Varying Confounding</i>
11.40 – 12.20	<b>Diana I. Brixner</b> • University of Utah, Salt Lake City, US	<i>Using Large Medical Claims Databases to Determine the Economic Effect of Diseases</i>
12.20 – 13.00	<b>Stijn Vansteelandt</b> • University of Ghent, BE	<i>Gene-environment Interaction in Family-based Studies</i>
13.00	Lunch	
Short Oral Presentation		
14.30 – 14.55	<b>Francisco Javier Diez</b> • UNED, Universidad Nacional de Educación a Distancia, Madrid, ES	<i>Probabilistic Graphical Models for Medical Decision Making</i>
<b>Session 5 • Priority Setting, Health Technology Assessment, and Research Investments</b> Chair: Michael Stolpe • Kiel Institute for the World Economy, DE		
14.55 – 15.30	<b>Uwe Siebert</b> • UMIT, Hall/Innsbruck, AT, and Harvard Medical School, Boston, US	<i>The Use of Decision Analysis in National Health Technology Assessment</i>
15.30 – 16.05	<b>Regine Kollek</b> • University of Hamburg, National Bioethics Council of Germany, DE	<i>The Subjective Value of Genetic Information: Ethical and Social Considerations in the Evaluation of Genetic Testing Technologies</i>
16.05 – 16.35	Coffee break	
16.35 – 17.10	<b>Johanna L. Bosch</b> • Erasmus University, Rotterdam, NL	<i>Assessing Technologies for the Treatment of Cardiovascular Disease</i>
Short Oral Presentations		
17.10 – 17.35	<b>Alexander Göhler</b> • Harvard School of Public Health and Massachusetts General Hospital, Boston, US	<i>Decision-analytic Evaluation of the Clinical Effectiveness of Disease Management Programs in Congestive Heart Failure in Germany</i>
17.35 – 18.00	<b>Jürgen John</b> • GSF National Research Center for Environment and Health, DE	<i>Is Efficiency an Ethically Defendable Criterion for Allocation Decisions in Health Care?</i>
18.00 – 18.25	<b>Rolf Holle</b> • GSF National Research Center for Environment and Health, DE	<i>The Pros and Cons of Threshold Values in Economic Evaluation</i>
19.00	Dinner	

Sunday 8 October	<b>Session 5 continued • Priority Setting, Health Technology Assessment, and Research Investments</b>	
	Chair: Michael Stolpe • Kiel Institute for the World Economy, DE	
	09.00 – 09.40	<b>Andrew Briggs</b> • University of Glasgow, UK <i>Handling Uncertainty in Health Economic Evaluations</i>
	09.40 – 10.20	<b>Murray Krahn</b> • University of Toronto, CA <i>Decision Making in Compensation for Medical Harm: The Example of Transfusion-Related Hepatitis C Infection in Canada</i>
	10.20 – 11:00	<b>John F.P. Bridges</b> • Johns Hopkins University, Baltimore, US <i>The Impact of Health Technology Assessments on the Timing of Market Access and Technology Adoption</i>
	11.00 – 11.30	Coffee break
	<b>Short Oral Presentations</b>	
	11.30 – 11:55	<b>Per Carlsson</b> • National Centre for Priority Setting in Health Care, Linköping, SE <i>National Guidelines for Heart Diseases – A Model for Open Priority Setting in Sweden</i>
	11.55 – 12:20	<b>Afschin Gandjour</b> • University of Cologne, DE <i>Priority Setting of Investments that Enhance the Adoption of Health Technologies</i>
	12:20 – 12:45	<b>Anupam B. Jena</b> • University of Chicago, US <i>The Macroeconomic Value of Life</i>
	13:00 – 14:30	Lunch
	14.30 – 14.55	<b>Beate Sander</b> • University of Toronto, CA <i>Time Horizon Bias in Economic Evaluations</i>
	14.55 – 15:20	<b>David S. Sugano</b> • Schering-Plough, US <i>Should Industry Participate in New Health Technology Assessments?</i>
	15.30 – 17.15	<b>Panel Discussion on</b> “New Technology and Medical Decision Making: Ethics, Incentives, Regulation, and the Role of Health Policy” with Speakers from the Conference and High-level Representatives from Health Policy, Biomedical Industry, and Health Care Practice in Germany Moderator: <b>J.-Matthias Graf von der Schulenburg</b> • University of Hannover, DE
17.15 – 17:45	Coffee break	
17.45 – 18.45	<b>Forward Look Plenary Discussion &amp; Conference Closing Session</b>	
19:30	<b>Get-together &amp; Conference Dinner</b>	
Monday 9 October	9:00	Breakfast and Departure

**Abstracts, posters and short talks:** There will be no **short talks** other than those announced on the programme. All other abstracts are accepted as **posters**.