



RESEARCH CONFERENCES

ESF-COST High-Level Research Conference

Law and Neuroscience: Our Growing Understanding of the Human Brain and its Impact on our Legal System

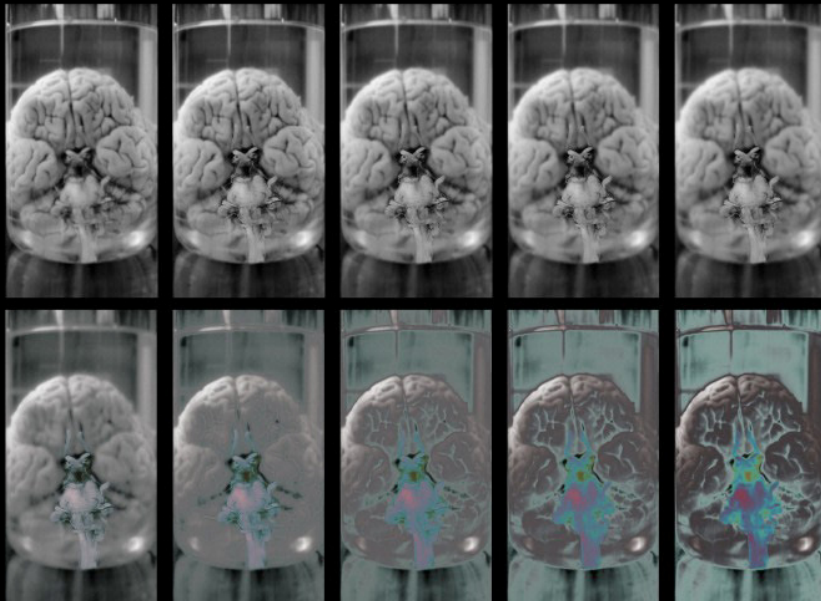
Hotel Villa del Mare, Acquafredda di Maratea • Italy
26 – 31 October 2009

Chair: **Nikolas Rose**, London School of Economics, UK

Programme Committee: **Berry J. Bonenkamp**, Netherlands Organisation for Scientific Research, NL, **Caitlin Connors**, BIOS Research Centre, UK, **Giovanni Frazzetto**, BIOS Research Centre, UK, **Kenneth Hugdahl**, University of Bergen, NO, **Eva Hoogland**, European Science Foundation, FR, **Julia Stamm**, COST, BE

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Wellcome images



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Final Programme

Monday 26 October

- Late afternoon / early evening Registration at the ESF-COST desk
- 19.00 Welcome Drinks
- 20.00 – 21.30 Dinner followed by informal discussion at the hotel bar

Tuesday 27 October

- 09.00-09.20 **Nikolas Rose**
European Neuroscience and Society Network
- Eva Hoogland**
European Science Foundation
- Julia Stamm**
COST European Cooperation in Science and Technology
Welcome from ESF, COST, ENSN
- 09.20-09.45 **Nikolas Rose**
European Neuroscience and Society Network
Introduction by the conference chair – setting the scene

Session 1: Law and the brain – a tangled history

Chair: Nikolas Rose, European Neuroscience and Society Network

- 09.45-10.20 **Roger Smith**
Lancaster University (Emeritus), UK and Institute for the History of Science and Technology, Moscow, Russia
Does new knowledge make a difference? Reflections on the history of science-law relations
- 10.20-10.45 *Discussion*
- 10.45-11.15 Coffee break

Session 2: Neuroscience and the law - key themes

Chair: Nikolas Rose, European Neuroscience and Society Network

- 11.15-11.50 **Mathias Mahlmann**
Universität Zürich, Switzerland
Perspectives and Pitfalls - Cognitive Science and the Law
- 11.50-12.15 *Discussion*
- 12.15-13.45 Lunch

Session 3: Neuroscience in the law – problems and possibilities in legal practice

Chair: Eva Hoogland, European Science Foundation

- 13.45-14.15 **Amedeo Santosuosso**
Milan court of appeals and University of Pavia, Italy
Neuroscience and individual boundaries
- 14.15-14.45 **Thomas Scheffer**
Free University Berlin, Germany
Demonstrating (free) will in law
- 14.45-15.15 *Discussion*
- 15.15-15:45 Coffee break

Session 4: What neuroscience can - and cannot - do for the law

Chair: Eva Hoogland, European Science Foundation

- 15.45-16.15 **Michael Freeman**
University College London, United Kingdom
Is neuroscience law's magic bullet?
- 16.15-16.45 **Cheryl Thomas**
Centre for Empirical Legal Studies, University College, London, United Kingdom
Inside the judicial mind
- 16.45-17.15 *Discussion*
- 17.15-17:30 Break

Panel: What do lawyers want to know from neuroscience - and what can neuroscience deliver?

Chair: Eva Hoogland, European Science Foundation

- 17.30-18.30 **Amedeo Santosuosso**
Milan court of appeals and University of Pavia, Italy
- Nigel L.G. Eastman**
St. Georges Hospital Medical School London, United Kingdom
- Robin Mackenzie**
Department of Law, University of Kent, New Zealand
- Nicole Vincent**
Technical University Delft, The Netherlands
- 18.30-20.00 *Poster sessions (participants A-K)*
- 20.00-21.30 Dinner

Wednesday 28 October

Session 5: Imaging the brain - what brain imaging studies can and can't show: an imager's view

Chair: Kenneth Hugdahl, University of Bergen, Norway

- 09.00-09.35 **Tomas Paus**
University of Nottingham, UK and McGill University, Montreal, Canada
Imaging adolescent brain: Causes and consequences
- 09.35-10.00 *Discussion*
- 10.00-10.30 Coffee break

Session 6: What is a lie - brain imaging and lie detection

Chair: Kenneth Hugdahl, University of Bergen, Norway

10.30-11.30

Andreas Roepstorff & Kamila Sip

University of Aarhus, Denmark

When a lie is not a lie - Neuroimaging of deception in social interaction and lie-detection

11.30-12.00

Discussion

Short talks: Brain imaging and the law (15 min each)

Chair: Kenneth Hugdahl, University of Bergen, Norway

12.00-12:45

Andrew Stanley Balmer

University of Nottingham, United Kingdom

fMRI and the resistance to deception detection in the United States legal system

Jennifer Chandler

University of Ottawa, Canada

Reading the judicial mind: How will courts react to the use of neuro-imaging technologies for lie detection?

John P. Lizza (tbc)

Kutztown University of Pennsylvania, United States

Neuroscience and the definition of death

12.45-13.00

Discussion

13.00-14.30

Lunch

Session 7: The neurogenetics of crime and impulsivity

Chair: Giovanni Frazzetto, London School of Economics, United Kingdom (tbc)

14.30-15.05

Michael Rutter

University College London, United Kingdom

The neurogenetics of crime and impulsivity

15.05-15.30

Discussion

15.30-16:00

Coffee break

Session 8: Screening, prediction and intervention

Chair: Giovanni Frazzetto, London School of Economics, United Kingdom (tbc)

16.00-17.00

Avshalom Caspi & Terri Moffitt

Duke, USA and King's College London, United Kingdom

Genetic vulnerability to the social causes of criminal offending

17.00-17.30

Discussion

17.30-17.45

Break

Panel: Social and ethical perspectives on the promises and problems of neuroscience in legal contexts

Chair: **Trudy Dehue**, Groningen University, The Netherlands

17.45-18.45

Renata Salecl

London School of Economics, United Kingdom and University of Ljubljana, Slovenia

Irina Singh

London School of Economics, United Kingdom

Irina Sirotkina

Institute for the History of Science and Technology, Moscow, Russia

Early Career Researchers Forum

Chair: **Giovanni Frazzetto**, London School of Economics, United Kingdom

18.45-20.00

Exchange of ideas & discussion

20.00 - late

Pizza Party with Music

Thursday 29 October

Session 9: Criminal responsibility and neuroscience

Chair: **Berry Bonenkamp**, Netherlands Organisation for Scientific Research (tbc)

09.00-09.35

Hans Markowitsch

Department of Psychology, University of Bielefeld, Germany

Possible consequences of neuroscientific investigations on the legal system

09.35-10.00

Discussion

10.00-10.35

Lisa Claydon

University of the West of England, United Kingdom

Criminal responsibility, excuses and the relevance of neuroscientific research

10.35-11.00

Discussion

11.00-11.30

Coffee break

Short talks: Some cases (15 min each)

Chair: **Berry Bonenkamp**, Netherlands Organisation for Scientific Research (tbc)

11.30-12.15

John Lumsden

West London Mental Health Trust, United Kingdom

The use of Contingent Negative Variation as evidence

Davide Rigoni

University of Padova, Italy

Neuroscience and responsibility: neuroscience improves psychiatric assessment

12.15-12.45

Discussion

12:45-14.15

Lunch

Session 10: Psychology, neuroscience and law

Chair: **Caitlin Connors**, London School of Economics, United Kingdom

- 14.15-14.50 **Peter Kinderman**
Department of Clinical Psychiatry, University of Liverpool, United Kingdom
A Psychological model of mental disorder: Implications for law and neuroscience
- 14.50-15.15 *Discussion*

Short talks: Psychopathy (15 min each)

Chair: **Caitlin Connors**, London School of Economics, United Kingdom

- 15.15-15.45 **Lukasz Barwinski**
Jagiellonian University, Krakow, Poland
Psychopathy and juvenile delinquents – discovering the development of disorder by neuroscience paradigm
- Rita Mariño-Lourenço**
Universidade Lusófona de Humanidades e Tecnologias, Portugal
Psychopathy and neuropsychology: A frontal cortex question?
- 15.45- 16.15 *Discussion*
- 16.15-16.45 Coffee break

The trial: a mock trial with brain mages and neurogenetic evidence

Organised by: **Caitlin Connors**, London School of Economics, United Kingdom

- 16.45-18.15 *Role play*
- 18.15-19.45 *Poster session (participants L-Z)*
- 20.00-20.30 Dinner

Friday 30 October

Short talks: Challenges to the concept of individual responsibility (15 min each)

Chair: **Julia Stamm**, COST European Cooperation in Science and Technology, Belgium

- 09.00-10.00 **Tom Buller**
University of Alaska Anchorage, United States
Responsibility and excusing conditions
- Wayne Hall**
University of Queensland, Australia
Reaping the benefits and avoiding potential misuses of addiction neurobiology
- James McGuire**
University of Liverpool, United Kingdom
Voluntary and determined action in the genesis of criminal acts
- Thomas Nadelhoffer** (tbc)
MacArthur Law and Neuroscience Project, United States
The future of punishment and retribution
- 10.00-10:30 *Discussion*
- 10:30-11:00 Coffee break

Short talks: From the brain to the law – some problems (15 min each)

Chair: **Julia Stamm**, COST European Cooperation in Science and Technology, Belgium

- 11:00-11:30 **Peter Becker** (tbc)
Johannes Kepler University, Linz, Austria
On rats and other men. Neurosciences and criminology in dialogue
- 11:30-11.45 *Discussion*

Short Talks: Law, neuroscience, biopolitics (15 min each)

Chair: **Julia Stamm**, COST European Cooperation in Science and Technology, Belgium

- 11:45-12:30 **Jacopo Martire**
King's College London, United Kingdom
Neuroscience, modern law and biopolitics: a paradigm shift
- Amade M'charek**
University of Amsterdam, The Netherlands
Regulating the criminal brain
- Martyn Pickersgill**
University of Edinburgh, United Kingdom
Connecting neuroscience and law: Anticipatory ethics and the making of socio-technical futures
- 12.30-13.00 *Discussion*
- 13.00-14.30 Lunch

Forward look: Neuroscience and law: Challenges for policy and regulation

Chair: **Ilse Kryspin-Exner**, Universität Wien, Austria

- 14.30-14.50 **Mark Flear**
School of Law, Queen's University, Belfast, United Kingdom
Legitimizing EU Regulation of Neuroscience: Is Citizen Participation Required?
- 14.50-15:10 **Ira van Keulen**
Rathenau Institute, The Netherlands
Title tbc
- 15.10-15:40 *Discussion*
- 15.40-16.10 Coffee break

Forward look: Future challenges for Europe

Chair: **Nikolas Rose**, London School of Economics, United Kingdom

- 16.10-16.30 **Lieve van Daele**
Federal Science Policy Office, Research Programmes Department, Brussels, Belgium
Title tbc
- 16.30-16.50 **Jennifer Gristock**
International School for Advanced Studies (SISSA), Trieste, Italy
Title tbc
- 16.50-17.10 *Discussion*

Forward look: Future research in law and neuroscience

Chair: **Nikolas Rose**, London School of Economics, United Kingdom

- 17.10-18.00 *Where the field is heading*
 What the field might need
 Where ESF should set its priorities
 What funding organizations should consider
- 19.30-21.30 Get-together & Conference Dinner

Saturday 31 October

Breakfast & Departure