



'Dimensions of Value and Values in Science, Technology and Innovation Studies'

A Two Day Symposium and Advanced Training for Postgraduate Research Students

University of Edinburgh (17th and 18th April 2013)

A two day symposium and advanced training for postgraduate research students at the University of Edinburgh organised by the ESRC Innogen Centre, on behalf of the Science, Technology and Innovation Studies pathway of the Scottish Graduate School in Social Science, and in collaboration with the White Rose Social Science Doctoral Training Centre. The symposium brings together contributions from a broad range of scholars in science, technology and innovation studies that have, through both theoretical work and range of empirical case studies, explored the complexities and nuances of both economic, financial and commercial value; and broader socio-political values. The symposium will take place over two days, with keynote presentations on the first day followed by dedicated advanced training for PGR students on the second day. The aim is to bring together a variety of scholars and students with an interest in this increasingly important topic to advance understanding of how value and values may best be identified, critically explored and measured by social scientists.

Invited academics and PGR students from Science and Technology Studies, and related fields with an interest in the topic, will explore current empirical and theoretical approaches to both value and values in STS, critically analysing:

- the underlying theories of value and values therein
- the dominance, conflation or alignment of particular kinds of value and values in STS and practice
- the most appropriate methodologies, and consideration of new metrics, for exploring and accounting for different kinds of value and values in a variety of empirical areas

Key aspects of the discussion will include:

- An exploration of contrasting approaches to accounting for economic or financial value and their associated theoretical frameworks in STS and science and innovation policy more generally, contrasting the sociology of financial markets with innovation studies (in empirical areas such as Information Technology and Life Sciences)
- Critical engagement with models and metrics for analysing and accounting for value in science and innovation (eg scientometrics, value system analysis, future

orientated tools), exploring their performative effects and potential role in improving commercialisation and/or risk management strategies

- Interrogation of conceptualisations of bio-value, bio-capital and bio-objects in terms of theories of value and values
- An exploration of current 'values-driven' approaches to science and innovation (eg responsible innovation) as a feature of particular institutional logics
- Consideration of the production of other kinds of social or public value generated through science and innovation, eg the creation of 'patient benefit' 'advancement of knowledge' or 'entrepreneurial individuals/organisations' and the ways in which these values are articulated in the innovation process and become entangled with economic, financial and commercial notions of value

Application Process for PGR Students

We are now accepting applications to attend this event from UK-based postgraduate research students. There is no charge for attending this Symposium and Advanced Training, but as places are strictly limited to 20, we will be selecting students on a competitive basis. We are not able to provide travel or accommodation expenses, but meals will be provided. Students (who may be in any year of their doctoral studies) who wish to attend should send a brief CV and description of their doctoral research and a short paragraph explaining how attendance at this event will benefit their research. Please send this by post or electronically to:

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For academic queries about the event, please contact:

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Deadline for Applications is Monday, March 11th, 2013

PRELIMINARY PROGRAMME OUTLINE

Venue: Seminar Room 1, Chrystal Macmillan Building, 15a George Square, University of Edinburgh

DAY 1 (17th April)

9.30 Arrival and registration

10:00-10:30 Welcome and Introduction : Anne Kerr, James Mittra and Robin Williams

10.30-12 Plenary 1: Exploring Value and Evaluation in Different Disciplines and Sectors

10.30-10.50 Donald MacKenzie: STS and Value in Financial markets

10.50-11.10 Neil Pollock: Promissory organisations, Performativity and Value in IT rating Agencies

11.10-11.30 David Tyfield: Biovalue, Crises of Value and the New Inequality

11.30-12 Discussion

12-13.00 Lunch

13:00-14:30 Plenary 2: Evaluation Cultures and New Metrics for Analysing Life Sciences

13.00-13.20 Anne Kerr: Evaluation cultures in challenge-led biomedical research

13.20-13.40 Francis Lee: Performing value in research design

13:40-14:00 James Mittra: Identifying and Measuring value(s) in regenerative medicine and translational research

14:00-14:30 Discussion

14:30-14:45 Refreshments

14:45-16:15 Plenary 3: Exploring Different dimensions of Value(s)

14.45-15.05 Paul Martin: Responsible Innovation: Values-driven science and innovation

15:05-15:25 Kean Birch: Biovalue and Bio-capital: A Critique

15:25-15:45 Nik Brown: Contradictions in value

15:45-16:15 Discussion

16:15-.16:30 Refreshments

16:30-17:15 Closing Reflections Andrew Webster, Steve Sturdy, Sarah Cunningham-Burley

DAY 2 (18th April) – Dedicated Advanced Training for PGR Students

This day will consist of 3 seminar style sessions with expert contributors. Students should arrive having thoroughly read the required readings and be ready to contribute to discussion and reflect upon the topic in the context of their own doctoral research and the presentations/discussions from Day 1.

9:30-10:00 – Introduction: James Mittra, Robin Williams and Anne Kerr

10:00 – 11:30 Session 1: Theories and Practice of Valuation and Evaluation (session leader: Robin Williams)

This session will explore different ways of theorising value and values and implementing evaluative criteria; taking into consideration notions of hierarchy, power and interests. The session will also include an expert panel (Keane Birch and Claes-Fredrik Helgesson tbc)

Reading: Michele Lamont (2012), 'Toward a Comparative Sociology of Valuation and Evaluation', *Annual Review of Sociology*, 38

11:30- 11:45 Refreshments

11:45- 13:15 Session2: Performativity, Value(s) and the Shaping of Expectations in Contemporary (session leader: Anne Kerr)

This session will critically explore the role of value and values as they have shaped expectations and everyday practices, for example in financial markets, IT and the bioeconomy. Students will discuss these themes and reflect on how they may be applied to their own research, with contributions from Neil Pollock; Nik Brown & Robin Williams.

Reading: Donald MacKenzie (2006) "Is Economics Performative? Option Theory and the Construction of Derivatives Markets," *Journal of the History of Economic Thought* 28:29-55

13:15- 14:00 Refreshments

14:00 – 15:30 Session 3: Metrics of Value(s) and Translation in Health and Life Sciences (session leader: James Mittra)

This session will explore new methodologies and ways of measuring and theorising value(s) in the health and life science sectors, particularly in the context of 'translational research' and the new institutional and organisational contexts that shape contemporary biosciences, with contributions from Jane Calvert, Anne Kerr and Emma Frow.

Reading: Mittra, J. & J. Tait (2012) 'Analysing Stratified Medicine Business Models and Value Systems: Innovation-Regulation Interactions', *New Biotechnology* 29 (6): 709-719

15:30 Close