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**Luca Sciortino**

• **EDUCATION**

- 2008 – 2014      **PhD**, Philosophy  
The Open University (UK)  
Thesis: Styles of Thinking: Assessing and Developing Ian Hacking's Historical Epistemology  
Supervisors: Dr. Cristina Chimisso, Professor Sophie-Grace Chappell
- 2003-2005      **MA (with Honours)**, Science Communication  
Sissa, International School for Advanced Studies (Italy)  
Thesis: A Scientific Tale for Children: The Adventures of a Cell  
Supervisor: Prof. Giuseppe O. Longo
- 1997-2002      **Laurea (MSc equivalent)**, Theoretical Physics  
University of Pisa (Italy)  
Thesis: The Objectification Issue in Quantum Theory: The Case of the Pyramidal Molecules  
Supervisor: Prof. Giovanni Morchio

• **CURRENT POSITION**

- 1/11/2015 – present      Visiting Research Fellow  
Centre for History and Philosophy of Science, University of Leeds (UK)

• **PREVIOUS POSITIONS**

- 1/3/2005-1/11/2015      Staff Science Writer  
Areas of Specialization: Science, Culture  
Panorama Magazine, Mondadori Group,  
via Mondadori 1 Milan 20090

• **FELLOWSHIPS**

- 1/11/2015 – 1/10/2016      Visiting Non-Stipendiary Fellowship Scheme 2015-2016  
Centre for History and Philosophy of Science, University of Leeds
- 8/7/2005- 8/8/2005      Armenise-Harvard Science Writer Fellowship  
Harvard University  
(2000 Euro Grant Awarded by the Giovanni Armenise-Harvard Foundation)
- 1/10/2003-1/10/2004      Buzzati-Traverso Fellowship  
Sissa, International School for Advanced Studies  
(5000 Euro Grant Awarded by the Adriano Buzzati-Traverso Foundation)

- **INVITED CONFERENCES AND TALKS**

- 24/6/2016-26/6/2016 New Bulgarian University - Sofia  
Inaugural Conference of the East European Network for Philosophy of Science  
'Two Styles in Mathematical Reasoning'
- 17/6/2016 University of Leeds- Centre for History and Philosophy of Science  
'Algorithmic and Postulational Style of Reasoning'
- 2/12/2015 The Open University  
'Ian Hacking's Styles Project and Relativism'
- 21/5/2015 – 23/5/2015 Sorbonne University  
Journées d'études: Epistémologie Historique: commencements et enjeux actuels  
'Styles of Reasoning and Incommensurability'

- **PEER REVIEWED ARTICLES**

1. 'Styles of Reasoning, Human Forms of Life, Relativism'  
*International Studies in the Philosophy of Science* (2016)
2. 'On the Notion of Style of Reasoning'  
*Erkenntnis* [open access]:1-22 (2016) <http://link.springer.com/article/10.1007/s10670-016-9815-9>
4. 'E Pluribus Unum: la Pluralità degli Stili di Ragionamento' (E Pluribus Unum: the Plurality of Styles of Reasoning')  
*Prometeo* 133 (34): 22-30 (in Italian) (2016)

- **PEER REVIEWED REVIEWS**

- Review of "Giorgio Manzi, *Homo Sapiens*"  
*2R- The Journal of Philosophical Reviews* 1 pp. 28-41 (In Italian) (2005)  
<http://pikaia.eu/numero-speciale-della-rivista-2r-scienza/>

- **BOOKS**

- 'Towards a Theory of Styles of Reasoning'  
(under review)

- **BOOK CHAPTERS**

- 'La Seconda Vita di Polimorfus' ('The Second Life of Polimorfus')  
in 'Tutti i numeri sono uguali a cinque' ('All Numbers Are Equal to Five') Ghattas and Gauthier (eds) *Springer* (In Italian) (2010)  
This is a philosophical reflection, written in a literary form, on the different ways of knowing that have emerged over history.

- **POPULAR SCIENCE BOOKS**

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Vita di un atomo scritta da sé medesimo ('Life of an Atom Written by Himself') *Erickson* (in Italian) (2010)

Bianca Senzamacchia, le avventure di una cellula ('Bianca in Shining Armor: the Adventures of a Cell') *Editoriale Scienza* (in Italian and also translated into Korean) (2005)

• **SELECTION OF PRESS ARTICLES**

Ultime scoperte sui nostri antenati ('The Latest on Our Ancestors')  
*La Stampa*, (In Italian) (23 June 2003)

Nessun legame con i Neanderthal ('No Ties to Neanderthal')  
*Sapere*, (in Italian) (October 2003)

Le cellule della meraviglia ('Cells of Wonder')  
*Contro Cancro* no. 1 (in Italian) (October 2003)

I cugini perduti di Homo Sapiens ('The lost cousins of Homo Sapiens')  
*Le Scienze* (Italian Edition of *Scientific American*)(in Italian) June 2004

'Le Regard et la Bouche de la Joconde' (The Gaze and the Smile of Mona Lisa) *Cerveau & Psycho* no. 12, (in French also translated into German and Portuguese) (15 December 2005)

[www.cerveauetpsycho.fr/ewb\\_pages/a/article-le-regard-et-la-bouche-de-la-joconde-21307.php](http://www.cerveauetpsycho.fr/ewb_pages/a/article-le-regard-et-la-bouche-de-la-joconde-21307.php)

Interview with Franz De Waal  
*Panorama*, (in Italian) (21 November 2006)  
<http://pikaia.eu/intervista-a-frans-de-waal-noi-come-scimmie/>

'Cosmovisioni' ('Cosmovisions')  
*Panorama*, (in Italian) (5 March 2009)  
<http://www.unipd.it/astro2009/rassegna/20090305-Panorama.pdf>

'Chi ha rubato il cervello di Einstein?' ('Who stole Einstein's Brain?')  
*Il Foglio*, (in Italian) (16 June 2012)  
<http://www.scienzaevita.org/wp-content/uploads/2015/02/ec7f50787788761791dcfa957c19d224.pdf>

'La medusa che non muore mai' ('The Jellyfish Which Never Dies')  
*Panorama* (in Italian) (20 December 2012)  
<http://www.panorama.it/scienza/la-medusa-che-non-muore-mai/>

'La salute è una formula matematica' (Health is a Mathematical Formula')  
*Panorama* (in Italian) (7 October 2012)  
<http://www.panorama.it/scienza/la-salute-e-una-formula-matematica/>

'Thomas Kuhn, 50 anni dopo: ecco come ha cambiato la visione della scienza' ('Thomas Kuhn 50 years later: how He Changed our View of Science')  
*Panorama* (in Italian) (2 October 2012)  
<http://www.panorama.it/cultura/libri/thomas-kuhn-struttura-rivoluzioni-scientifiche-2/>

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Review of 'Cartographies of Time: A History of Timeline' by Rosenberg D. and Grafton A.

*Panorama* (in Italian) (25 September 2012)

<http://www.panorama.it/cultura/libri/cartografie-tempo-storia-rosenberg-grafton/>

- **SCIENCE TALES**

Il Segreto (The Secret)

*Ulisse* (in Italian) (2004)

<http://ulisse.sissa.it/biblioteca/saggio/2004/Ubib040201s004>

This is a short story which explains biological processes used by plants

- **AWARDS**

Soi Prize for Journalism (2010)

(1500 Euro Awarded by the Italian Society of Ophthalmology)

Mario Pastore Prize for Nature Writing (2006)

(1500 Euro Awarded by the Italian Association of Journalists, Parma Municipality and Italian League for Bird Protection)

Voltolino Prize for the Popularization of Science (2006)

(5000 Euro Awarded by the Italian Association of Journalists)

- **TEACHING ACTIVITIES**

1/06/2015-15/9/2015 Italian teacher  
School 'Casa della Pace' - Milan

1/11/2010-15/5/2011 Participation in a pilot project at the Open University (UK)  
for evaluating the merits of 'SocialLearn' as a software to enhance learning in virtual environments.

- **LANGUAGE SKILLS**

Italian (native)

English (fluent);

French (fluent);

Spanish (basic knowledge);

Ancient Greek and Latin (high school knowledge)

- **DOCTORAL THESIS ABSTRACT**

In the 1980s Ian Hacking put forward the 'styles project' to investigate the philosophical significance of the thesis that there exist distinct scientific styles of thinking which have emerged in the course of the history of science. Hacking characterized his notion of style of thinking and made several claims that should be understood as the core theses of the styles project. I have argued that, despite Hacking's professed anti-relativism, the styles project implies epistemic relativism. In particular, styles of thinking should be understood as incommensurable: there are cases in which a scientific claim is justified for a community that adopts a certain style and unjustified for a

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community that adopts another style. The specific case that I have examined refers to Hacking's claim that several theoretical entities of physics exist. I have argued that not only this claim is justified *only* for a community that adopts the laboratory style but it also engenders a problem of consistence within Hacking's philosophy. Indeed, the styles project, I have argued, is at odds with Hacking's anti-relativistic stance and in particular with his realism about theoretical entities.

- **CURRENT RESEARCH**

My fellowship project in Leeds was to characterise the historical-genetic and the taxonomic style of reasoning, of which the original styles project of Hacking says nothing. A central aspect of my research has been to identify certain mental operations that are fundamental for either the historical-genetic or the taxonomic style. I have also started to develop a historical and empirical analysis of what characterizes the historical-genetic style. This research would benefit from a further historical analysis of the standards of evidence which characterise this style. In turn this would help to clarify what makes it scientific and show the existence of a number of common properties that characterize *scientific* styles of reasoning.

## 5. Capacity of the Participating Organisations

Beneficiary X
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<b>General Description</b>	The University of Leeds is acclaimed world-wide for the quality of its teaching and research, and continues to be ranked within the top 100 universities in the QS world rankings. The results of the 2014 UK Research Excellence Framework (REF) exercise identified that 82.76% of its research activity has a top quality rating of either “world leading” or “internationally excellent”, and its overall results confirmed the University’s position as a leading member of the UK’s prestigious research intensive Russell Group universities. Leeds is one of the largest universities in the UK. In 2014/15 it had an annual income in excess of €907m and over 30,000 students (over 7,000 post graduate students) from 141 countries and approximately 6,740 staff of 99 different nationalities, attached to 560 different undergraduate and 300 postgraduate degree programmes. In 2014/15 its annual research income exceeded €15m of which 11.7% was derived from EU awards. Leeds is currently coordinating 17 Horizon 2020 projects and is a partner in a further 17 successful Horizon 2020 projects. Grant Agreements for a further 11 Horizon 2020 projects are under preparation: 4 of which are coordinated by Leeds. Leeds’ research income from the Horizon 2020 programme is currently over €25m. It has hosted/is currently hosting 60 FP7 Marie Skłodowska-Curie Individual Fellowships and Integration Grants and 10 Horizon 2020 Individual Fellowships. It has/is currently also co-ordinating 14 FP7 and 4 Horizon 2020 ITNs and is a partner in 16 FP7 and 1 Horizon 2020 ITNs. The Centre for History and Philosophy of Science (CHPS) at the University of Leeds is one of the foremost centres for the subject in Britain, with seven permanent and several fixed-term staff, a growing contingent of postdoctoral fellows, and a large and international body of research postgraduates.
<b>Role and Commitment of key persons (supervisor)</b>	Professor Gregory Radick, Supervisor of the Project and Expert in the History of the Human Sciences (involvement 6%). Dr. Adrian Wilson, mentor of the ER expert in early-modern history of medicine and historical epistemology.
<b>Key Research Facilities, Infrastructure and Equipment</b>	The University of Leeds is famous for its extensive libraries. The University of Leeds’ Library is one of the major academic research libraries of the United Kingdom with over €4 million of resources. It is one of the largest university libraries in the United Kingdom, with a stock of over 2.8 million volumes. It also has an impressive range of electronic resources including a wide range of databases, electronic journals and full-text electronic resources. There are also almost 30,000 journals available to readers.
<b>Independent research premises?</b>	The university of Leeds owns all of its premises
<b>Previous Involvement in Research and Training Programmes</b>	Professor Radick has been involved in a number of programs in his career. The AHRC funded project ‘Owning and Disowning Invention’ was particularly successful project supporting 3 research directors, 1 research fellow and 2 PhD students. He was PI of 2 research projects funded by the Faraday Institute and the British Academy.
<b>Current involvement in Research and Training Programmes</b>	Professor Radick is the PI of 2 research projects funded by the AHRC. These projects support 1 research fellow and 2 PhD students. The CHPS currently supports 3 other research projects supporting 3 research fellows and 6 PhD students. He is also the supervisor of a Marie Curie Fellowship project awarded last year to Dr. Sean Dyde.
<b>Relevant Publications and/or research/innovation products</b>	<ul style="list-style-type: none"> <li>- Radick, G., ‘The Unmaking of a Modern Synthesis: Noam Chomsky, Charles Hockett, and the Politics of Behaviorism, 1955-1965,’ <i>Isis</i>, expected 2016.</li> <li>- Topham, J., <i>Reading the Book of Nature: Science, Religion and the Culture of Print in the Age of Reform</i> (Chicago: University of Chicago, in preparation)</li> <li>- Radick, G. (ed.) ‘Focus Section: Counterfactuals and the Historian of Science,’ <i>Isis</i>, 99 (2008), 547-84.</li> <li>- Radick, G., <i>The Simian Tongue: The Long Debate about Animal Language</i> (Chicago: University of Chicago Press, 2007).</li> <li>- Wilson, A., ‘Porter versus Foucault on the “Birth of the Clinic”,’ in Roberta Bivins and John Pickstone (eds), <i>Medicine, Madness and Social History: Essays in honour of Roy Porter</i> (London, Palgrave Macmillan 2007), 25-35</li> </ul>

## 6. Ethical Issues

Research in the University of Leeds is conducted according to the principles of academic excellence, community, integrity, inclusiveness and professionalism. The Universities expects high ethical standards of all its researchers and research projects. The research conducted in this project raises no ethical issues.

# **ENDPAGE**

## **MARIE SKŁODOWSKA-CURIE ACTIONS**

### **Individual Fellowships (IF) Call: H2020-MSCA-IF-2016**

#### **PART B**

**“OH/HO”**

**This proposal is to be evaluated as:**

**[Standard EF]**