

ALEXEI GRINBAUM

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- Born 30/11/1978 in St. Petersburg, Russia
- Single
- Nationality : French and Russian
- Languages : Russian, French, English, Italian

Positions

2006 – present	Researcher at LARSIM laboratory, CEA-Saclay
2007 – present	Occasional teaching at the Ecole Normale Supérieure, Ecole Polytechnique, INSTN, ENSTA, Ecole Centrale, Sciences Po, Université d'Evry
2007 – 2009	Deputy Director of the Groupe de recherche et d'intervention sur la science et l'éthique (GRISE), Ecole Polytechnique
2006	Postdoctoral fellow at the Perimeter Institute for Theoretical Physics (Canada)
2006	Scientific Advisor to the Director of Ecole Normale Supérieure (France)
2005 – 2006	CNRS postdoctoral fellow at LPHS – Archives Henri Poincaré (France)
2004 – 2005	Postdoctoral fellow at CREA, Ecole Polytechnique (France)

Visiting Researcher: Institute for Quantum Optics and Quantum Information (Vienna); Yale University; Perimeter Institute for Theoretical Physics (Canada), University of Pavia (Italy)

Education

2004	Ph.D. in philosophy of science (CREA, Ecole Polytechnique)
2003	M.Sc. in theoretical physics (St. Petersburg State University).
2001	DEA de Sciences cognitives (Ecole Polytechnique)

Other

- Membre de la Commission de réflexion sur l'Éthique de la Recherche en sciences et technologies du Numérique d'ALLISTENE (CERNA)
- Membre du Groupe de travail « L'impact de la technologie sur la vie des hommes », Centre d'analyse stratégique, Secrétariat d'Etat chargé de la Prospective, 2008
- The Estate of Joseph Brodsky, representative (since 1997)
- Joseph Brodsky Memorial Fellowship Fund, special consultant (since 2004)
- Open Society Institute – New York: Consultant (2004). International Debate Education Association: Board member and Treasurer (2001-2003), Board member and Secretary (1999-2001), National Debate Trainer (1998), Regional Debate Trainer (1996), teacher of debate and forensics (1996-1999)

Referee for

Journals: Nature, British Journal for the Philosophy of Science, Studies in the History and Philosophy of Modern Physics, Foundations of Physics, Foundations of Science, Proceedings of Royal Society A, Annales Henri Poincaré, Philosophia Scientiæ, Comptes Rendus de l'Académie des Sciences – Geosciences, NanoEthics, Science and Engineering Ethics, Mind and Matter, Minds and Machines, Revue d'histoire des sciences

Publishers: Oxford University Press, Routledge, Editions du Seuil, Flammarion

Talks

1. Conference on scientists' responsibility (Paris, December 2013)
2. Stanford University philosophy colloquium (September 2013)
3. University of California in Davis seminar (September 2013)
4. European Philosophy of Science Association meeting (Helsinki, August 2013)
5. Foundations of Physics 2013 conference (Munich, July 2013)
6. Rosnano summer schools Nanograd and Teengrad (Russia, July 2013)
7. CEA-KIT joint workshop (Karlsruhe, July 2013)
8. CERN meeting on roboethics (Paris, May 2013)
9. Nanomedicine and its ethical questions (Villejuif, May 2013)
10. Journées « Nanotechnologies et leurs applications » (Poitiers, March 2013)
11. Chair of Ethics Panel at the WHO Dual Use Research of Concern conference (Geneva, February 2013)
12. Workshop on Technological Convergence at the INSERM (Paris, February 2013)
13. Seminar of the Institut Pasteur (Paris, February 2013)
14. Seminar of the Institut Curie (Paris, February 2013)
15. Session chair at conference "Freedom in biological research" (Annecy, February 2013)
16. Séminaire « Philosophie et mathématiques » at the Ecole Normale Supérieure (Paris, January 2013)
17. Invited participant at ERANet SynBio Strategic Conference (Basel, January 2013)
18. The Philosophy of René Girard, seminar at St. Petersburg State University (December 2012)
19. Annual congress of Rosnano educational programme (St Petersburg, December 2012)
20. Nanosafe 2012, invited speaker and chair of "Ethical and societal issues" (Grenoble, November 2012)
21. Conference "Responsible development of nanotechnology: challenges and perspectives" (Montreal, November 2012)
22. SNet 2012 – 4th Annual Meeting of the Society for the study of Nanoscience and Emerging Technologies (Twente, October 2012)
23. Colloque « Recherche et innovation : vers une éthique de la responsabilité » (Lausanne, October 2012)
24. Workshop "Foundational principles in quantum information" (Orléans, September 2012)
25. Rosnano summer school for students (Kazan, July 2012)
26. Ecole Thématique « Nanotechnologies et société » (Poitiers, July 2012)
27. INRIA école de management (Paris, June 2012)
28. Program in History and Philosophy of Science and Technology colloquium (Stanford, May 2012)
29. Center for Science and Innovation Studies colloquium (UC Davis, April 2012)
30. Journée d'étude du CREA sur la biologie de synthèse (Paris, April 2012)
31. Audition sur la biologie de synthèse at Conseil scientifique de défense (Paris, April 2012)
32. Workshop "Foundational questions of quantum information" (Paris, April 2012)
33. Collège de physique et de philosophie (Paris, March 2012)
34. International Nanomaterials Ethics Workshop (Seoul, March 2012)
35. Conférence "Nanotechnologies" à l'Académie de Versailles (Paris, February 2012)
36. ObservatoryNano workshop on responsible research and innovation (Brussels, February 2012)
37. « La biologie de synthèse : quelle démarche éthique ? », IHEST (Paris, January 2012)
38. Invited lecture course "Mathematical structures in quantum logic and their contemporary applications" (Chebyshev Laboratory, St. Petersburg, Russia, December 2011)
39. Southern California Philosophy of Physics Group (UC Irvine, California, November 2011)
40. SNet 2011 – 3rd Annual Meeting of the Society for the study of Nanoscience and Emerging Technologies (Tempe, Arizona, November 2011)
41. Journée « Nanotechnologies », Institut pour la maîtrise des risques (Paris, October 2011)
42. "Structuralism in contemporary philosophy of physics: non realist alternatives" (Stanford, October 2011)
43. Entretiens Jacques Cartier (Montréal, October 2011)
44. ESF workshop "Philosophy of Computer Science and Artificial Intelligence" (The Azores, September 2011)
45. Summer school "Changement climatique, science et société" (Paris, August 2011)

46. Workshop "Quantum States: ontic or epistemic?" (Aberdeen, UK, June 2011)
47. Symposium "Decoherence and No-Signalling: Current Interpretational Problems of Quantum Theory" (Bern, Switzerland, June 2011)
48. Forum « Biologie synthétique: recréer la vie » (Paris, Collège de France, June 2011)
49. Franco-British workshop on responsible innovation (French Embassy, London, May 2011)
50. Conference and parliamentary hearing "Synthetic biology for learning and doing" (Paris, Assemblée Nationale, May 2011)
51. Colloque « Originalités de la vie » (Paris, Ecole Normale Supérieure, April 2011)
52. Workshop « Nano-objets synthétiques et bio-inspirés » (Orsay, January 2011)
53. IQOQI seminar (Vienna, November 2010)
54. AFC Cytométrie 2010 : Le Golem Nanotechnologique (Marseille, October 2010)
55. Nanotechnologies : quel bilan ? Quelles perspectives? (Auvergne, October 2010)
56. IEEE Nano 2010 (Seoul, August 2010)
57. "What's real in the quantum world" (Austria, July 2010)
58. Minatec Crossroads conference (Grenoble, June 2010)
59. Sigma Club meeting, London School of Economics (London, June 2010)
60. Maîtrise des risques liés aux nanomatériaux (Toulouse, June 2010)
61. Conference "From word civilization to image civilization" (Lisbon, May 2010)
62. Workshop "Quantum Coherence and Entanglement on Macroscopic Scales" (Berlin-Brandenburg Academy and Academy Leopoldina, Tenerife, May 2010)
63. The role of narrative in the normative assessment of emerging technologies (Paris, December 2009)
64. European Philosophy of Science Association meeting (Amsterdam, October 2009)
65. KIST-CEA Nanoscience Workshop (Seoul, October 2009)
66. QuPa seminar (Télécom ParisTech, October 2009)
67. Workshop "Imag(in)ing the Nanoscale" (Paris, October 2009)
68. Les risques créés par les nanotechnologies (ENS Cachan, September 2009)
69. Reconstructing Quantum Theory (Perimeter Institute for Theoretical Physics, Canada, August 2009)
70. Colloque franco-canadien LIA-LABN2 (Lyon, July 2009)
71. Nanotechnologies : quel impact sur la société? (Concarneau, March 2009)
72. ObservatoryNano annual symposium (Düsseldorf, February 2009)
73. Les enjeux du LHC (Paris, February 2009)
74. Les risques créés par les nanotechnologies (Orsay, December 2008)
75. Nanotechnologies : leur gouvernance, leur éthique (Sciences Po, Paris, December 2008)
76. Philosophie et Décisions sur le Changement Climatique et l' Environnement (Aix-en-Provence, December 2008)
77. Nanotechnologies : Impact sur l'homme? Impact sur la société? (Paris, November 2008)
78. Reconstruction of quantum theory (Nice, November 2008)
79. Pouvoir technique et questionnement éthique (Paris, November 2008)
80. Which fine-tuning arguments are fine? (Oxford, November 2008)
81. Which fine-tuning arguments are fine? (Brussels, October 2008)
82. Enjeux philosophiques de l'information quantique (Paris, October 2008)
83. Perspective in physics and philosophy (Paris, June 2008)
84. Enjeux éthiques et sociaux des nanosciences et nanotechnologies (Nancy, May 2008)
85. Quelques structures géométriques en gravité quantique (Les Treilles, May 2008)
86. La veille nanotechnologique à l'intérieur du corps (Paris, April 2008)
87. Les problèmes des nanotechnologies (Paris, March 2008)
88. Les nanotechnologies et les mythes (Paris, January 2008)
89. Quantum communication complexity (Chile, January 2008)
90. Immortality: from the body political to the body concrete (Chile, January 2008)
91. Nanosciences et nanotechnologies : quelles ruptures ? (Grenoble, December 2007)
92. European Philosophy of Science Association meeting (Madrid, November 2007)
93. Les nanotechnologies et la décision publique (Lyon, September 2007)
94. Ethics and security in nanosciences (Grenoble, September 2007)
95. « L'aveuglement technologique et le sacré », in honour of J.-P. Dupuy (Cerisy, July 2007)
96. Science and myth (Stanford, June 2007)
97. Temps et irréversibilité (Cargèse, April 2007)
98. 15th UK and European Meeting on the Foundations of Physics (Leeds, March 2007)
99. Pragmatism and Quantum Mechanics (Paris, February 2007)

100. LARSIM seminar, CEA-Saclay (February 2007)
101. Penser la catastrophe – Entre nature et politique (Paris, December 2006)
102. Philosophy of Science Association Twentieth Biannual Meeting (Vancouver, November 2006)
103. International Quantum Structure Association Biannual Meeting (Malta, July 2006)
104. Seminar of the CEA Service for Theoretical Physics (SPhT, CEA/Saclay, June 2006)
105. Stanford University philosophy of physics seminar (Stanford, May 2006)
106. Stanford University lecture on the foundations of nanoethics (Stanford, May 2006)
107. “Piquados” seminar in quantum theory, Perimeter Institute for Theoretical Physics (Canada, March 2006)
108. Quantum Mechanics and Human Sciences (Paris, March 2006)
109. Les enjeux éthiques des nanotechnologies (Cité des sciences, Paris, February 2006)
110. « Pensée des sciences » seminar, Ecole Normale Supérieure (Paris, February 2006)
111. Time, Information and Perspective in the Quantum World (Sydney, December 2005)
112. Séminaire de Philosophie et d'Histoire des Sciences du LPHS (Nancy, November 2005)
113. Philosophical and Foundational Issues in Quantum Theory (Budapest, September 2005)
114. Quantum Information — Epistemological and Logical Lessons (Lisbon, August 2005)
115. NATO workshop “What is quantum in a quantum computer?” (Konstanz, May 2005)
116. Workshop at Collège de France (Paris, March 2005)
117. Seminar of the Center Leo Apostel, Vrije Universiteit Brussel (Brussels, March 2005)
118. Nanoethics (University of South Carolina, March 2005)
119. CEPERC Epistemological Seminar (Aix-en-Provence, January 2005)
120. Determinism (Stanford, November 2004)
121. Quantum Information – Logical Aspects (Sardinia, September 2004)
122. Nanomatériaux et industrie : une démarche intégrée pour la maîtrise des risques. Journée de l'ECRIN (Paris, November 2004)
123. Rencontres Régionales de la Recherche : « Recherche et Société » (Lyon, October 2004)
124. Déterminismes et complexités : de la physique à l'éthique (Cerisy, June 2004)
125. IPCC Workshop on Uncertainty and Risk (Dublin, May 2004)
126. European Workshop on Economic, Ethical, Social and Legal Aspects of Nanosciences and Nanotechnologies (Brussels, April 2004)
127. Rencontres Internationales de Genève (Geneva, September 2003)

Prizes, fellowships and distinctions

- Qualification of Conseil national des universités (France), Sections 17 et 72 (2005)
- Research fellowship of French Ministry of Education, Research and Technologies (2001-2004)
- Fellowship of the French Government (2000-2001)
- Fellowship of the Foundation of Ecole Polytechnique (1999-2000)
- Soros student prize in physics, Soros Foundation Russia (1996)

Research Projects

- ANR research project « [FoundPhys : Fondements de la physique](#) » (2006-2010)
- European Commission research project *observatoryNano*: European observatory for science-based and economic expert analysis of nanotechnologies (2008-2012)
- European Commission research project *Nanodiode*: Developing Innovative Outreach and Dialogue on responsible nanotechnologies in EU civil society (2013-2016).
- European Commission research project *NanoCode*: European Code of Conduct for Nanosciences & Nanotechnologies Research (2010-2011)
- ANR research project « Biotechnologies et Nanotechnologies : enjeux éthiques et philosophiques » (2006-2008)
- ESF Research Network for Philosophical and Foundational Problems of Modern Physics (2002-2005)