

PhD Students' Publications (written during their doctorate)

RU1: Foundational questions

Forthcoming

- Germain P-L (forthcoming), "From Replica to Instruments: Animal Models in Contemporary Biomedical Research", History and Philosophy of the Life Sciences.
- Gross F. (forthcoming), 'The Relevance of Irrelevance: Explanation in Systems Biology', in C. Malaterre and P.-A. Braillard (Eds.), *Explanation in Biology*, Springer.
- Ratti Emanuele (forthcoming) Levels of Abstraction, Emergentism and Artificial Life. *Journal of Experimental and Theoretical Artificial Intelligence*

2014

- Germain P-L (2014), "Living instruments and theoretical terms: Xenografts as Measurements in Cancer Research", in Galavotti et al. (Eds.) New Directions in the Philosophy of Science, Springer.
- Germain P-L, Ratti E, Boem F (2014) Junk or functional DNA? ENCODE and the function controversy, *Biology & Philosophy*
- Ratti E, 'NCG4.0: the Network of Cancer Genes in the Era of Massive Mutational Screenings of Cancer Genomes' (with Omer An, Vera Pendino, Matteo D'Antonio, Marco Gentilini and Francesca Ciccarelli). *Database: The Journal of Biological Databases and Curation*. Vol. 2014, doi:10.1093/database/bau015

2013

- Nardini, C. and J. Sprenger (2013), Bias and Conditioning in Sequential Medical Trials, *Philosophy of Science*, 80 (5):1053-1064
- Baetu TM, Barwich A-S, Brooks D, Dutreuil S., Germain P-L (2013) "Model Thinking in the Life Sciences: Complexity in the Making", Meeting Report, *Biological Theory*, 8, 1, 121-124 in press. doi: 10.1007/s13752-013-0100-8
- Blasimme A., Maugeri P. and Germain P. (2013) 'What mechanisms can't do: Explanatory Frameworks and the Function of the p53 Gene in Molecular Oncology. *Studies in the History and Philosophy of Biological and Biomedical Sciences*:
<http://dx.doi.org/10.1016/j.shpsc.2013.02.001>
- Boem F (2013) Buiatti: dalla filosofia della biologia alla filosofia della biologia, in Gagliasso E. (eds) *Vivi perchè diversi*, Edizioni ETS [Buiatti: From a philosophy of biology to a philosophy from biology in "Alive because different"]
- Boem F., Camara G., Chuk E., Quattri F., Ratti E., Sanfilippo EM, and Sojic A. (2013). Diverse perspectives on ontology: A joint report on the First IAOA Interdisciplinary Summer School on Ontological Analysis. *Applied Ontology*, DOI 10.3233/AO-130121
- Fragola, G., P.L. Germain, P. Laise, A. Cuomo, A. Blasimme, G. Testa et al. (2013) «Cell Reprogramming Requires Silencing of a Core Subset of Polycomb Targets». *PLoS Genet* 9(2): e1003292. doi:10.1371/journal.pgen.1003292
- Giamo S. Are some conventional measures of the rate of ageing consistent with antagonistic pleiotropy? *Journal of Theoretical Biology* 323 (2013) 20–24

2012

- Boem F, Marelli L, (eds) (2012) *Elementi per una genetica forense*, Milan: Mondadori [Elements for a forensic genetics]
- Brozzi A, Urbanelli L, Germain P-L, Magini A, Emiliani C (2013), "hLGDB: a database of human lysosomal genes and their regulation", *Database*, vol. 2013. doi: 10.1093/database/bat024

- Germain P-L (2012) "Cancer cells and adaptive explanations", *Biology and Philosophy*, 27(6), pp 785-810. doi: 10.1007/s10539-012-9334-2
- Meunier R (2012) 'Stages in the development of a model organism as a platform for mechanistic models in developmental biology: Zebrafish, 1970–2000'. *Studies in History and Philosophy of Biological and Biomedical Sciences* 43:522-531.
- Nardini, C., M. Annoni and G. Schiavone (2012) Mechanistic understanding in clinical practice: complementing evidence-based medicine with personalized medicine. *Journal of Evaluation in Clinical Practice* 18(5):1000–1005.
- Sojic A. and Kutz O. (2012) 'Open Biomedical Pluralism - Formalising Knowledge about Breast Cancer Phenotypes', *Journal of Biomedical Semantics*, forthcoming.
- Świątczak B., Rescigno M. (2012), How the interplay between antigen presenting cells and microbiota tunes host immune responses in the gut, *Seminars in Immunology* 24(1): 43-49.

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- Camporesi S. and Giaimo S. (2011) 'Problemi aperti in filosofia della medicina molecolare' [Open issues in the philosophy of molecular medicine], *Paradigmi* 1: 27-38
- Gross F. (2011), 'What Systems Biology Can Tell Us about Disease', *History and Philosophy of the Life Sciences* 33: 477-496.
- Kutz O., Mossakowski T., Hastings J., Garcia Castro A. and Sojic A. (2011) 'Hyperontology for the Biomedical Ontologist: A sketch and some examples.' Working with Multiple Biomedical Ontologies Workshop, *ICBO 2011*: 399-408
- Maugeri P. and Blasimme A. (2011) 'Humanised models of cancer in molecular medicine: the experimental control of disanalogies', *History and Philosophy of the Life Sciences*, 33 : 603-622
- Sojic A. and Kutz O. (2011) Beyond the Tumour: Breast Cancer Phenotypes -Towards a pluralistic integration of heterogeneous representations. In *OBML 2011 Workshop Proceedings*, edited by H. Herre, Hoehndorf, R, Loebe F: Institut für Medizinische Informatik, Statistik und Epidemiologie (IMISE), Universität Leipzig: 65-70
- Świątczak B. (2011), "Indeterminism in the Immune System: The Case of Somatic Hypermutation", *Paradigmi* 1: 19-32.
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- Boniolo, G. and Maugeri, P. (2010) Modelli come rappresentazioni finzionali ['Models as fictional representations'], in Gagliasso E and Frezza G (eds.), *Metafore del vivente. Linguaggi e ricerca scientifica tra Filosofia, Bios e Psiche*, Milano: Franco Angeli
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- Boniolo G. and Giaimo S. (2009) Beyond the metaphor of genetic information in *Expressões da Analogia / Expressions of Analogy*. Actas / Proceedings. Lisboa: Colibr
- Giaimo S. and Testa G. (2009) Il concetto di gene [The concept of gene] in Giaimo S. and Boniolo G. (eds) *Filosofia e Scienze della Vita. Un'analisi dei fondamenti della biologia e della biomedicina* Milano: Bruno Mondadori

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- Boniolo G. and Giaimo S. eds. (2008) *Filosofia e scienze della vita. Un'analisi dei fondamenti della biologia e della biomedicina* [Philosophy and the Life Sciences. An analysis of the Foundations of Biology and Biomedicine] Milano: Bruno Mondadori

Merlin F., Nicholson D., Reiss C., Sojic A. and Witteveen J. (2008). 'Emergent Philosophy of Biology in Europe'. *Biological Theory* 3 (4):391-392.

Sapelli P. and Giaimo S. eds. (2008) *Il ragionamento critico nella ricerca biomedica* [Critical reasoning in biomedical research] Milano: McGraw-Hill

RU2: Individual and public ethical questions

Forthcoming

Chiapperino L., Nardini C. (Forthcoming). "What kind of principle is Clinical Equipoise?". *Theoretical and Applied Ethics*

2014

Annoni M. and Nardini C., Principali questioni etiche della sperimentazione con soggetti umani, in Giovanni Boniolo, Paolo Maugeri, "Etica alle frontiere della medicina". Per una cittadinanza eticamente consapevole, Mondadori Università;

Chiapperino L., Boniolo G. (2014) Rethinking Medical Humanities. *Journal of Medical Humanities*, 1-11.

Boniolo G., Sanchini V. (2014), "Un'introduzione storico-metodologica", in "Etica alle frontiere della biomedicina. Per una cittadinanza consapevole" [Ethics at the frontiers of biomedicine. Towards a responsible citizenry], Mondadori Università, Milano, pp. 13-33.

Chiapperino L., with Del Savio L. 2014. "La promozione della salute pubblica: fra paternalismo e responsabilità" [Promoting the health of the public: between paternalism and responsibility]. In: Boniolo G. and Maugeri P. (eds.), *Etica alle frontiere della biomedicina* [Ethics at the frontiers of biomedicine]. Milano: Mondadori Università. ISBN: 978886184312

Chiapperino L., Sanchini V. (2014), "Questioni etiche dei test genetici: tra privacy e diritto di non sapere", in "Etica alle frontiere della biomedicina" [Ethics at the frontiers of biomedicine. Towards a responsible citizenry], Mondadori Università, Milano, pp. 155-174.

Sanchini V., Reni M. Calori G., Riva E., Reichlin M. (2014), *Informed consent as an ethical requirement in clinical trials: an old, but still unresolved issue. An observational study to evaluate patient's informed consent comprehension*, *The Journal of Medical Ethics*, **40**:269-275.

Sanchini V., Nardini C., Boniolo G. (2014), The withholding/withdrawing distinction in the end of life debate, *Multidisciplinary Respiratory Medicine*, 9:13.

2013

Annoni M., "Highlights from the 2013 Science of Placebo thematic workshop", 2013 *ecancer* 7 346 / DOI: 10.3332/ecancer.2013.346

Annoni M., Dove sono le prove? Una migliore ricerca per una migliore assistenza sanitaria. Collaborative 2013 translation of "Testing Treatments. Better research for better healthcare" <http://it.testingtreatments.org/wp-content/uploads/2011/10/Dove-sono-le-prove.pdf>;

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- Schiavone G, De Anna G, Mameli M, Rebba V, Boniolo G (2013). Libertarian Paternalism and Healthcare Policy: A Deliberative Proposal. *Medicine, Healthcare and Philosophy*, online first.
- Schmietow B. and Del Savio L. (2013). Synthetic Genomics and the Causal Role of Genes: What has Been Shown and Why it Matters. In Dieks, D.& Karakostas, V. eds *Proceedings of the EPSA 11 Conference*, Springer, 357-367

2012

- Annoni M., Schiavone G., Chiapperino L., Boniolo G. (2012) Constructing the Medical Humanities Gaze", *Critical Reviews in Oncology / Haematology* 84(2): S5-S10, doi:10.1016/S1040-8428(13)70003-9.
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- Chiapperino L., Annoni M., Maugeri P., Schiavone G. (2012). "What Autonomy for Telecare? An Externalist Approach". *The American Journal of Bioethics* 12(9): 55-57. DOI: 10.1080/15265161.2012.699150
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- Sanchini V. (2012), Hans Jonas e il principio responsabilità, *Aggiornamenti Sociali* (4), pp. 350-354, Milano, Aprile 2012.
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RU3: Societal questions

2014

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Schmietow, B. (2014). Biobanche e ricerca scientifica tra interessi privati e benefici pubblici (Balancing Public Good and Private Interest in Large-Scale Biobank Research). In: *Etica alle frontiere della biomedicina* (Ethics at the Frontiers of Biomedicine), eds. Boniolo, G. & Maugeri, P., Milano: Mondadori.

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Blasimme, A, Schmietow B. and G. Testa (2013) «Reprogramming potentiality: the co-production of stem cell policy and democracy». *The American Journal of Bioethics: AJOB* 13: 30–32. doi:10.1080/15265161.2012.747032.

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Blasimme A. (2011) Governare la biomedicina: l'etica della ricerca scientifica come questione pubblica (Governing biomedicine : research ethics as a public issue), in *Paradigmi*, XXXIX, n. 1 – Jan-Apr 2011.