

LINO CAMPRUBÍ

Max Planck Institute for the History of Science
Boltzmannstr., 22. 14195, Berlin (Germany)
lcamprubi@mpiwg-berlin.mpg.de

ACADEMIC POSITIONS

- 2017- **Universidad Autónoma de Barcelona**
Investigador Ramón y Cajal at CEHIC
- 2017-2018 **Max Planck Institute for the History of Science**
Visiting Researcher at Epistemes of Modern Acoustics
- 2014 –2017 **Max Planck Institute for the History of Science**
Research Scholar (equivalent to Assistant Professor) at Department II
- Spring 2016 **The University of Chicago**
Visiting lecturer at Fishbein Center
- 2012 – 2014 **Universidad Autónoma de Barcelona**
Post-doctoral research fellow of the European Research Council project *The Earth Under Surveillance* at CEHIC

EDUCATION

- 2011 **University of California, Los Angeles.** PhD in History
- 2006 **Cornell University.** Graduate Non-Degree student, STS
- 2006 **Universidad de Sevilla.** MA, History and Philosophy of Science
- 2004 **Universidad de Sevilla.** BA, Philosophy

PUBLICATIONS

Books:

- *Los ingenieros de Franco. Ciencia, catolicismo y Guerra Fría* (Barcelona: Crítica, 2017).
- *Engineers and the Making of the Francoist Regime* (Cambridge, Mass.: The MIT Press, 2014).

Edited Books and special issues:

- with David Pretel, *Networks of Experts: Technology and the Modern Globalization of the Economy* (Palgrave MacMillan, Economic History Series, 2017/2018).
- with Philipp Lehmann, *Experiencing the Global Environment* (Studies in the History and Philosophy of Science, A, 2017).

Articles (peer-reviewed):

- La Naturaleza no existe: conservacionismos y relaciones internacionales en Doñana, *Arbor*, vol: 192-781 (2016): a344, 1-16.
- with Sam Robinson, A Gateway to Ocean Circulation: Surveillance and Sovereignty at Gibraltar, *Historical Studies in the Natural Sciences*, 46, 4 (2016): 429-459.
- The Invention of the Global Environment. Essay Review, *Historical Studies in the Natural Sciences*, 46, 2 (2016): 243-251.
- Resource Geopolitics: Cold War Technologies, Global Fertilizer, and the Fate of Western Sahara, *Technology and Culture*, 57, 3 (2015): 676-703.
- One Grain, One Nation Rice Genetics and the Corporate State in Early Francoist Spain (1939-1952), *Historical Studies in the Natural Sciences*, 40, No. 4 (2010): 499-531.
- Los estándares como instrumentos políticos: ciencia y Estado franquista a finales de los años cincuenta, *Empiria*, 18 (July-December, 2009): 85-114.
- Together with José María Arribas and David Pretel, Presentación, introduction to *Empiria*, 18, special issue on History, Sociology and Philosophy of Science, *Empiria*, 18 (July-December, 2009): 1-6.
- Traveling Around the Empire: Iberian Voyages, the Sphere, and the Atlantic Origins of the Origins of the Scientific Revolution, *Eä: Journal of Medical Studies and Social Studies of Science and Technology*, 1. 2 (2009): 1-19.

Chapters of books:

- The Sonic Construction of the Ocean as the Navy's *Operating Environment*, in Dijk, Nathanja van; Ergenzinger, Kerstin; Kassung, Christian; and Schwesinger, Sebastian (eds.), *Navigating Noise* (Cologne: Walther König, 2017).
- with Thomas F. Glick, "Science in Spain, 19th and 20th Centuries" in *The Cambridge History of Science. Vol. VIII. Modern Science in National, Transnational and Global Contexts* (under review).
- Engineering as Cultural Hegemony: What a Gramscian Interpretation of Francoism Teaches about Gramsci, in Massimiliano Badino and Pietro D. Omodeo, *Cultural Hegemony in a Scientific World. Vol. 2. Civil Society and Scientific Culture* (Leiden: Koninklijke Brill, in press).
- with Matthew Adamson and Simone Turchetti, "From the Ground Up: Uranium Surveillance and Atomic Energy in Western Europe" in Peder Roberts and Simone Turchetti (eds.), *The Surveillance Imperative. Geophysics in the Cold War and Beyond* (Palgrave Macmillan, 2014): 23-44.
- El arroz del Guadalquivir: laboratorios y territorio en la construcción del Estado franquista, in Vicente Casals y Quim Bonastra (eds.), *Espacios de control y regulación social. Ciudad, territorio y poder, siglos XVII-XX* (Barcelona: Ediciones del Serbal, 2014): 323-331.
- Ni física ni industria: modelos y estándares en las 'ciencias de la construcción' (1934-1961), in Néstor Herran & Xavier Roqué, *La física en la dictadura. Físicos, cultura y poder en España, 1939-1975* (Bellaterra: Universitat Autònoma de Barcelona, 2012): 27-44.

Extra-academic articles (selected):

- Gramsci en Francolandia: tecnocracia, populismo y territorio. *CTXT*, 143, 15 Nov. 2017.
- How the Catalan economy benefited under Franco-and what this means for the ongoing stalemate. *The Conversation*, 25 October 2017.
- The Last African Colony and Moroccan Phosphate Mining. *Technosphere Magazine*, HKW (2016).

- Percepción, Ciencia e Historia. *Studia Iberica*, 3 (2016): 21-44.
- Interview. *Continent*. 5, 2 (2016): 37-41.
- Ciencia y filosofía, ¿un diálogo de sordos? El Tiempo de Einstein y el tiempo de Bergson. *Investigación y Ciencia* (nov. 2015): 13-14.
- with Samuel Robinson, "Ocean Science, Gibraltar, and geopolitics – then and now". *The Guardian* (4 October 2013): *Political Science*.
- Què ha passat amb els fosfats del Sàhara Occidental? *Directa*, 322 (June 19, 2013).
- 'Frankie the Frog': The Total Transformation of a River Basin as 'Totalitarian' Technology (Spain, 1946-1961). *Endeavour*, 36, 1 (2012): 23-31.
- El capitalismo internacional después de la Segunda Guerra Mundial desde la dialéctica de Estados. *El Catoblepas*, 98 (2010): 11.

Published reviews (selected)

- Review of Gómez, Canales and Balmer, *Science Policies and 20th Century Dictatorships* (Surrey: Ashgate, 2015), *Isis*, 107, 3 (2016): 681-682.
- Review of Erikson, Klein, Daston, Lemov, Sturm and Gordin, *How Reason almost Lost its Mind. The Strange Career of Cold War Rationality* (Chicago: Chicago University Press, 2013), *Dynamis*, 35, 1 (2015): 245-250.
- Review of Darina Martykánova, *Reconstructing Ottoman Engineers. Archeology of a Profession (1789-1914)*, (Pisa: Edizioni Plus-Pisa University Press, 2010), *Quaderns d'Història de l'enginyeria*, 14 (2014): 191-194.
- Review of Alexandra Hui, *The Psychophysical Ear: Musical Experiments, Experimental Sounds, 1840-1910* (Cambridge, MA.: The MIT Press, 2013), *El Catoblepas*, 140 (2013): 11.
- Review of Timothy Mitchell, *Carbon Democracy: Political Power in the Age of Oil* (London: Verso, 2011), *HoST*, 6 (2012): 116-118.
- Review of Sara B. Pritchard, *Confluence: the nature of technology and the remaking of the Rhône* (Cambridge: Harvard University Press, 2011), *Water History*, 3, 2 (2011): 163-164.
- Review of Guajardo et al., *Innovación y empresa: estudios históricos de México, España y América Latina* (Mexico: Solar Servicios Editoriales, 2008), *Enterprise and Society*, 11, 3 (2010): 656-658.
- Review of A. Gómez y A. F. Canales (eds.), *Ciencia y fascismo. La ciencia de posguerra española* (Barcelona, Laertes S.A. de Ediciones, 2009), *Theoria* 68 (2010): 247-250.
- Noticia historiográfica sobre ciencia y revolución francesa, *El Catoblepas*, 83 (January 2009): 20.

Translations

- With Brendan Burke: Gustavo Bueno, *Sciences as Categorical Closures* (Oviedo: Pentalfa, 2013) (from Spanish into English).
- Norton M. Wise, "La ciencia como relato (histórico)" (original in English), *El Catoblepas*, 119 (Jan. 2012): 1.
- Theodore M. Porter, "La estadística y el curso de la razón pública: compromiso e imparcialidad en un mundo cuantificado" (original in English), *Empiria* 18 (2009): 19-35.
- Jean Clottes, "Chamanismo en las cuevas paleolíticas" (original in French), *El Catoblepas*, 21 (2003): 1.

INVITED TALKS

- 2017 **Gramsci in Francoist Spain: Technocrats as the “universal class”?** *Populists and Technocrats. Robinson College, Cambridge University* (25 Sept., Berlin).
- 2017 **The Strait in the Cold War.** *Oceans in Global History. M. A. Global History. Freie Universität* (29 June, Berlin).
- 2017 **The Emergence of the Global Environment.** *Knowing Nature. The Changing Foundations of Environmental Knowledge. Renmin University* (24-28 May, Beijing).
- 2017 **Underwater Surveillance and the Modern Mediterranean.** *Histoire des sciences, histoire de l'innovation, Université Pierre et Marie Curie* (4 May, Paris).
- 2017 **Experiencing Deep and Global Currents at a Prototypical Strait, 1860s and 1980s.** *Colloquium Center for Science Studies, Aarhus University* (19 April, Aarhus).
- 2017 **The Cold War Mediterranean. Geophysics and Geopolitics.** *Historisches Seminar, LMU* (19 January, Munich).
- 2016 **Experience as Doing: ‘Observing’ the Sea Level at a Prototypical Strait.** *Experiencing the Global Environment, MPIWG* (2-3 August, Berlin).
- 2016 **Phosphorus and Technologies of the Anthropocene.** *School of the Arts Institute of Chicago* (6 April, Chicago).
- 2016 **Percepción, ciencia e historia.** *Escuela de Filosofía de Oviedo. Fundación Gustavo Bueno* (14 March, Oviedo).
- 2016 **A Global Underwater Ear: Technologies of Collective Experience and Historical Perception,** *Experiencing the Global Environment, MPIWG* (4-6 February, Berlin).
- 2015 with Alexandra Hui, **Testing the Underwater Ear: Hearing, Standardizing, and Classifying Marine Sounds during the Cold War,** *Knowledge, Technologies and Mediation: A Workshop in Honor of Norton Wise, UCLA* (17 October, Los Angeles).
- 2015 **Who owns the world’s fertilizer? The geopolitics of finding, moving and selling phosphate,** *The Technosphere Now, Haus der Kulturen der Welt* (2 October, Berlin).
- 2015 **La invención del medio ambiente global,** *Hombre y Cosmos, Universidad de la Rioja* (22 July, Santo Domingo de la Calzada).
- 2015 **A Gateway to Oceanic Circulation: Submarine Surveillance, Oceanography, and the Contested Sovereignty of Gibraltar,** *MPIWG, Dept. II Colloquium* (18 June, Berlin).
- 2015 **Doñana: el mito de la Naturaleza.** *Escuela de Filosofía de Oviedo, Fundación Gustavo Bueno* (26 January, Oviedo).
- 2014 **Surveillance, oceanography and the NATO.** *Science and Technology at NATO. University of Manchester* (26 Jul, Manchester)
- 2014 **Domes, models and silos as functional representatives of the Francoist state.** *L’Inscription spatiale des sciences et ses enjeux: Expositions, Dispositifs, Architectures, Centre Alexandre Koyre* (26-27 May, Paris)
- 2014 **La energía nuclear: perspectivas históricas.** *Los costos de la energía nuclear, Instituto de Historia de la Medicina y de la Ciencia López Piñero* (8 May, Valencia).
- 2014 **Gibraltar: vigilancia, oceanografía y diplomacia.** *Escuela de Filosofía de Oviedo, Fundación Gustavo Bueno* (17 February, Oviedo).
- 2014 **Migraciones y endemismos: ideas e instituciones en el Parque Nacional de Doñana.** *Ciencias e ideologías en los parques naturales españoles, Institut d’Estudis Catalans* (30

- January, Barcelona).
- 2013 **Diplomacy and Cold War Oceanography in Gibraltar.** *Ciclo ciencia y franquismo.* Universidad Autónoma de Barcelona (20 December, Barcelona).
- 2013 **¿La ciencia como cultura?**, *El Reino de la Cultura*, Universidad de la Rioja (July 17, Santo Domingo de la Calzada).
- 2013 **Energía nuclear: apocalipsis, utopía y filosofía**, *X Encuentros en el Lugar* (April 6, Carrascosa de la Sierra).
- 2013 **Geología y geopolítica: fosfatos y la recolonización del Sáhara Occidental**, *Escuela de Filosofía de Oviedo*, Fundación Gustavo Bueno (Feb. 26, Oviedo).
- 2012 **The Engineer's "Redemption of Spain:" science, autarky, and the landscape in early Francoism.** *Ciclo ciencia y franquismo.* Universitat Autònoma de Barcelona. (October 22).
- 2012 **The political economy of autarky and the materialization of the corporate state**, *Workshop on Political Economy and the State*, Cambridge University (July, Cambridge).
- 2012 **Ciencia, tecnología y Estado en la España de Franco**, *Escuela de Filosofía de Oviedo*, Fundación Gustavo Bueno. (March, Oviedo).
- 2011 **Ni física ni industria. Modelos y estándares en las 'ciencias de la construcción,' 1934-1961**, *Simposio Historia de la Física en España en el siglo XX: balance y perspectivas* (Dec., Barcelona).
- 2010 **Paco el rana: política de presas e investigación científico-técnica en el primer franquismo**, *Consejo Superior de Investigaciones Científicas* (11 Feb, Madrid).
- 2009 **Laboratories and Models for Early Francoist Political Economy**, *Places of Modern Science: Situated Laboratories, Dispersed Artifacts, Host*, 4th Annual Workshop (Dec., Lisbon).

CONFERENCE PRESENTATIONS

- 2017 **Oceanic Technologies for a New European Border.** Tensions of Europe. Borders and Technology (7-10 September, Athens).
- 2017 **On Arms and Letters: Legal, Technical and Military aspects of US Maritime Hegemony in the Mediterranean.** SHAFR Annual Meeting (23-25 June, Washington D.C.)
- 2017 **A Broken Alliance: Transnational Controversies around the Mediterranean and the North Atlantic.** *ASEH Annual Meeting* (29 March- 2 April., Chicago).
- 2017 **Anti-Submarine Warfare and the New Ocean Geography.** *Cold War Geographies, The British Library* (16 Jan., London).
- 2016 **The Law of the Sea. Science, Technology and History.** *Fearful Features-Peace & Security in Asia*, *Osaka University* (8-9 Dec., Osaka).
- 2016 **Underwater sounds and Spain's Participation in the Golden Age of Capitalism**, 7th *ESHS* (22-24 Sept., Prague).
- 2016 **Detection Systems: Mediterranean Surveillance of the Environment and Refugees**, *4S-EASST* (31 Aug. -3 Sept., Barcelona).
- 2016 **Phenomenotechniques: Individual perception, collective experience, and the history of technology**, *SHOT Annual Meeting* (22-26 June, Singapore).
- 2016 **Gibraltar: oceanografía militar, soberanía, y los pactos del 53**, *IX Encuentro Investigadores del Franquismo* (10-11 March, Granada).

- 2015 **Science in the Flesh: The Epistemological Role of Bodily Sensations and Operations in 20th Century Oceanography**, *5th Conference European Philosophy of Science Association* (23-28 Sept. Düsseldorf).
- 2015 **The geopolitics of self-sufficiency**, *7th Tensions of Europe Meeting* (3-6 Sept. Stockholm).
- 2015 **Sound Surveillance System: the Geopolitics and Science of Anti-submarine Warfare**, *The Society for Historians of American Foreign Relations* (25-27 June, Washington D.C.).
- 2014 **Biologists in Conflict**: Transnational Ornithology and agricultural development in the Andalusian marshes, *6th European Society for the History of Science* (4-6 Sept, Lisbon).
- 2014 **Swedish Andalusia: Bird Migrations and International Organizations**, *9th Science and Technology in the European Periphery* (1-3 Sept, Lisbon).
- 2014 **Laboratorios y territorio: ingenieros en la construcción del Estado franquista**, *XIII Coloquio Internacional de Geocrítica* (5-10 May, Barcelona).
- 2014 **Engineering as Cultural Hegemony: from a History of Francoism to a Historiography of Gramsci**, *Science as Cultural Hegemony: Gramscian Concepts for the History of Science* (22-24 January, Barcelona).
- 2013 **Resource geopolitics: geophysics, the Cold War phosphate market, and the (re)colonization of Western Sahara**, *SHOT Annual Meeting* (Oct. 11-13, Portland, Maine).
- 2013 with Samuel Robinson **"Underwater turbulences: Cold War oceanography and the contested sovereignty of the Strait of Gibraltar,"** *Tensions of Europe. Democracy and Technology* (Sept. 19-21, Paris).
- 2013 **Resource geopolitics: geophysics and (re)colonization in Morocco and the Sahara**, *24th International Congress of the History of Science, Technology and Medicine* (July 22-27, Manchester).
- 2013 **Autarky and the internal colonization of early Franco's Spain**, *8th meeting of the International Water History Association* (June 25-28, Montpellier).
- 2013 **Peripheral metropolises and agrarian landscapes: phosphates and the (re)colonization of Western Sahara**, *Shaping Landscapes and Building Expertise* (Mar 10-13, Lisbon).
- 2012 **An atomic push: prospecting uranium and phosphates in the Spanish Sahara (1945-1975)**, *5th European Society for the History of Science Meeting* (Nov. 1-3, Athens).
- 2012 **Transnational nationalism: sources and displays of Spanish autarkic science, German science in Southern Europe** (Oct. 11-13, Lisbon).
- 2012 With Simone Turchetti and Matthew Adamson: **From the Ground Up. Uranium Prospection in Western Europe**, *Cold War, Blue Planet* (June 27-29, Manchester).
- 2012 **El paisaje híbrido Guadalquivir-Sueca: circulación de semillas y Estado corporativo (1936-1952)**, *Seminario Historia Medioambiental en España* (Apr., Granada).
- 2010 **The Total Transformation of a River and the Limitations of Totalitarianism**, *SHOT Annual Meeting* (Sept–Oct, Tacoma).
- 2010 **Where Technology and Religion Met: National–Catholicism and Avant–Garde Architecture in Early Francoist Spain**, *STEP* (June, Galway).
- 2009 **Appetite for Destruction: The Dictatorial State, Models and the 'Sciences of Construction' in Early Francoist Spain**, *Modeling Spaces, Modifying Societies* (Oct. 7-9, Darmstadt).
- 2008 **Building a European Spain: Concrete Regulation and International Networks in the**

- 'Sciences of Construction' (Franco's Spain, late 1950s), SHOT Annual Meeting** (Oct., Lisbon).
- 2008 **Traveling Around the Empire: Iberian Voyages, the Sphere, and the Atlantic Origins of the Scientific Revolution**, *Fifth Annual UCLA Department of Spanish and Portuguese Graduate Student Conference* (June, Los Angeles).
- 2007 **Coal, Cement and Design: Engineering Political Economy in Early Francoist Spain**, *History of Science Society Annual Meeting* (Washington D.C.).
- 2007 **Empresa pública y privada en la la reconstrucción de la posguerra española: los primeros años del Instituto Torroja**, *XII Encuentros de Filosofía* (June, Gijón).
- 2006 **Transforming Regimes: Continuity of Scientific Institutions in Spain (1950-1980)**, *History of Science Society Annual Meeting* (Vancouver).
- 2006 **Diseño Inteligente y complejidad**, *Complejidad* (Jan., Havana).
- 2004 **Filosofía y terapia**, *41 Congreso de Filósofos Jóvenes* (Apr, Barcelona).

TEACHING AND OTHER PROFESSIONAL EXPERIENCE

- 2016 **Visiting lecturer**, "A Global History of Cold War Science and Technology", spring quarter. University of Chicago, Fishbein Center.
- 2014 **Invited professor** to *Sound Signatures*, August 18-22. Max Planck Institute for the History of Science and New York University.
- 2012-14 and 2017- **Served in various doctoral committees** at Universidad Autónoma de Barcelona.
- 2010-11 **Teaching Fellow** for Cluster Course "History of Modern Thought", including a one-quarter course of my own design: "Ways of Thinking (and Writing) About Technology." University of California, Los Angeles
- 2010 (January) **Director of contents** for the documentary film on Dar Es Salaam for pavilion "The Future of Cities" at the Shanghai International Expo 2010, *Ingeniaqed*.
- 2008-09 **Teaching Fellow** for Cluster Course "Evolution of Cosmos and Life", including a one-quarter course of my own design: "Industrial Nature: How Science, Technology and Politics Changed the World We Live In." University of California, Los Angeles.
- 2006-07 **Teaching Assistant** for "What is this thing called science?" (Prof. Eric Scerri), University of California, Los Angeles.
- 2006-06 **Research assistant** for the *Department of Marketing and Communication. Cornell University*.
- 2003-04 **Research assistant** for *Ingeniaqed*, Seville.

FELLOWSHIPS AND AWARDS

- 2017 Programa Ramón y Cajal. Ministerio de Economía (Spain).
- 2015-17 Proyecto Investigación, La física y la construcción de la Europa contemporánea. Universidad Autónoma de Barcelona, P.I.: Xavier Roqué. **Min. de Economía** (Spain)
- 2013-15 Proyecto Investigación, Ciencia y poder en la España de Franco. Univesitat Pompeu Fabra, P.I.: Albert Presas. **Ministerio de Economía** (Spain)
- 2012-14 Proyecto Investigación, Física, cultura y política en España. Universidad Autónoma de Barcelona, P.I.: Xavier Roqué. **Ministerio de Economía** (Spain)

2012-14	The Earth Under Surveillance. Various universities. P. I.: Simone Turchetti. European Research Council.
2011	Dissertation Year Fellowship (\$15.000). University of California, Los Angeles
2011	Hoxie Bonus Fund (\$3.000), University of California, Los Angeles
2010	Melvin Kranzberg Fellowship (\$4.000; awarded yearly to one excellent dissertation project) Society for the History of Technology
2006, 9 & 10	Summer Travel Grant (\$1.500), University of California, Los Angeles
2009-10	Trabor Pre-dissertation fellowship (\$12,000). University of California, Los Angeles
2008-09	CEES Research Grant (\$3.500), University of California, Los Angeles
2007-08	IES Summer Dissertation Fellowship (\$3,000), University of California, Berkeley
2006-08	Beca doctorado (€ 50.000). Fundación Caja Madrid
2005-06	Graduate Student Exchange Program (€ 24.000). Cornell University–Universidad de Sevilla
2003-04	Beca colaboración. Universidad de Sevilla
2000	<i>Integration Europeenne</i> , Université de Poitiers, Intensive Programme Socrates

SERVICE TO PROFESSION

Fellow of the Young Academy of Europe (by nomination). Member of professional societies HSS and SHOT.

Member of Edlestein Prize Committee (*Society for the History of Technology*), 2017-2019. Chair, 2018.

Evaluation of academic projects of the Spanish Agencia Nacional de Evaluación y Prospectiva.

Organization of conferences: *Experiencing the Global Environment* (MPIWG, Berlin, Feb. 2016).

Organization of panels for conferences: HSS, SHOT, 4S, EASST, STEP, ESHS, and others.

Served in Scientific Committee of conferences: *Tensions of Europe*, *Water History*, and others.

Manuscript and paper evaluations for: the MIT Press, *Ayer*, *Centaurus*, *Diplomatic History*, *Historia Agraria*, *Journal of Contemporary History*, *Physics Today*, *Social Studies of Science, Technology and Culture*, *Water History*, and others.

LANGUAGES

Oral and written fluency: Spanish and English.

Reading: German, French, Portuguese, Catalan, Italian.