

## STEFAN POHL-VALERO, PHD

School of Medicine and Health Sciences  
Universidad del Rosario  
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### AREAS OF SPECIALIZATION

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- Latin America, emphasis on Colombia: *History of Science and Medicine*

### PROFESIONAL EXPERIENCE

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03/2013-present	Associate Professor, Department of Medicine and Health Sciences, Universidad del Rosario, Bogotá, Colombia.
01/2011-02/2013	Assistant Professor, Department of Medicine and Health Sciences, Universidad del Rosario, Bogotá, Colombia.
01/2008-12/2010	Assistant Professor, Department of History, Universidad Javeriana, Bogotá, Colombia.

### EDUCATION

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- Ph.D. History of Science Universidad Autónoma de Barcelona (UAB), Spain, 11/2007
- MA. History of Science Universidad Autónoma de Barcelona (UAB), Spain, 01/2005
- BS. Mechanical Engineering Universidad de los Andes, Bogotá, Colombia, 03/1999

### PUBLICATIONS

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#### Books

1. Pohl-Valero, S. *Energía y cultura. Historia de la termodinámica en la España de la segunda mitad del siglo XIX*. Bogotá: Editorial Pontificia Universidad Javeriana, Editorial de la Universidad del Rosario, 2011. 322 pp. Reviewed in *Ambix*; *Dynamis*; *Historical Studies in the Natural Sciences*.
2. Pohl-Valero, S. *¡Soy Caldas! Biografía de Francisco José de Caldas*. Bogotá: Alcaldía Mayor de Bogotá, 2009. 85 pp. Second Edition, 2016.

#### Editor of special issues for peer-reviewed Journals

1. Pohl-Valero, S. (ed.). “Sociedad, raza, Nación y el funcionamiento del organismo humano. Historias alternativas de la Fisiología en América Latina” [Society, Race, Nation and the Functioning of the Human Organism. Alternative Histories of Physiology in Latin America], *Revista Ciencias de la Salud* 13, no. especial (2015).
2. Pohl-Valero, S. and M. González (eds.). “La circulación del conocimiento y las redes del poder: en la búsqueda de nuevas perspectivas historiográficas sobre la ciencia” [The Circulation of Knowledge and Networks of Power: In the Search for New Historiographical Perspectives on Science], *Memoria y Sociedad* 13 no. 27 (2009).

#### Refereed Articles

1. Pohl-Valero, S. “The scientific lives of chicha. The production of a fermented beverage and the making of expert knowledge in Bogotá, 1889-1938”, *Osiris* 35 (2020). [In Press].
2. García, M. and S. Pohl-Valero. “Styles of Knowledge Production in Colombia, 1850-1920”, *Science in Context* 29, no. 3 (2016): 347-377.
3. Pohl-Valero, S. “¿Agresiones de la altura y degeneración fisiológica? La biografía del “clima” como objeto de investigación científica en Colombia durante el siglo XIX e inicios del XX”, *Revista Ciencias de la Salud* 13, no. especial (2015): 65-83.

4. Pohl-Valero, S. “‘La raza entra por la boca’: Energy, Diet, and Eugenics in Colombia, 1890-1940”, *Hispanic American Historical Review* 94, no. 3 (2014): 455-486.
5. Pohl-Valero, S. “Termodinámica, pensamiento social y biopolítica en la España de la Restauración”, *Universitas Humanística*, 69 (2010): 33-58.
6. Pohl-Valero, S. and F. Cala. “Energía, entropía y religión. Un repaso histórico”, *Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales*, 34, no. 130 (2010): 37-52.
7. Pohl-Valero, S. “La cultura de la física y la Iglesia católica en la esfera pública española de finales del siglo XIX”, *Eä. Revista de Humanidades Médicas & Estudios Sociales de la Ciencia y la Tecnología*, 1, no. 3 (2010). [Online Journal: <http://www.ea-journal.com>].
8. Pohl-Valero, S. “La comunicación de la termodinámica. Física, cultura y poder en la España de la segunda mitad del siglo XIX”, *Memoria y Sociedad*, 13, no. 27 (2009): 121-141.
9. Cala, F. and S. Pohl-Valero. “Mecánica cuántica acausal socialmente determinada: revisión crítica”, *Praxis Filosófica*, 27 (2008): 31-48.
10. Pohl-Valero, S. “La termodinámica como elemento legitimador de la física teórica y aplicada en la España de la segunda mitad del siglo XIX”, *Quaderns d’Història de l’Enginyeria*, VII (2006): 186-224.

### Book Chapters

1. Pohl-Valero, S. “Dieta, raza y civilización en el pensamiento ilustrado de la Nueva Granada”, in Yolima Álvarez Polo, et al. (eds.) *Bicentenario. Francisco José de Caldas (1768-1816)*. Bogotá: Universidad del Rosario, 2019, pp. 237-250.
2. Pohl-Valero, S. “The energetic body. Machines, Organisms and Social Thermodynamics in Colombian Path to Modernity”, in Carlos Salomon (ed.) *The Routledge History of Latin American Culture*. New York: Routledge, 2018, pp. 225-242.
3. Pohl-Valero, S. “Alimentación, raza, productividad y desarrollo. Entre problemas sociales nacionales y políticas nutricionales internacionales (Colombia, 1890-1940)”, in Gisela Mateos and Edna Suárez-Díaz (eds.) *Aproximaciones a lo local y lo global: América Latina en la historia de la ciencia contemporánea*. México: Centro de Estudios Filosóficos, Políticos y Sociales Vicente Lombardo Toledano, 2016, pp. 115-154.
4. Pohl-Valero, S. “Food Science, Race, and the Nation in Colombia”, in William Beezley (ed.) *Oxford Research Encyclopedia of Latin American History*. Oxford: OUP, 2016.
5. Pohl-Valero, S. “Perspectivas culturales para hacer historia de la ciencia en Colombia”, in Max S. Hering Torres and Amada Pérez Benavides (eds.) *Historia Cultural desde Colombia: Categorías y Debates*. Bogotá: Universidad Javeriana, Universidad Nacional, Universidad de los Andes, 2012, pp. 399-430.
6. Pohl-Valero, S. “La termodinámica: Las definiciones de una nueva disciplina científica desde la física matemática”, in Manuel Silva (ed.), *Técnica e ingeniería en España: Lenguajes, conceptos, métodos y patrimonio en el Ochocientos*. Zaragoza: Institución «Fernando El Católico», Academia de Ingeniería de España, 2011, pp. 621-648.
7. Pohl-Valero, S. “The ‘Circulation’ of Energy: Thermodynamics, National Culture, and Social Progress in Spain, 1868-1890”, in F. Papanelopoulou; A. Nieto-Galan, and E. Perdiguero (eds.) *Popularising Science and Technology in the European Periphery, 1800-2000*. London: Ashgate, 2009, pp. 115-134.

### Book Reviews

1. *Setting Nutritional Standards. Theory, Policies, Practices*, eds. E. Neswald, D. F. Smith, and U. Thoms. Rochester, NY: University of Rochester Press, 2017. *Ambix* 65 (2018): 1-2.
2. *Barcelona: An Urban History of Science and Modernity, 1888-1929*, eds. O. Hochadel and A. Nieto-Galan. New York: Routledge, 2016. *HoST - Journal of History of Science and Technology* 11 no. 1 (2017): 120-122.
3. *Alcohol in Latin America: A Social and Cultural History*, eds. G. Pierce and Á. Toxqui. Tucson: University of Arizona Press, 2014. *Hispanic American Historical Review*, 95 no. 1 (2015): 146-147.
4. *Cuerpos anómalos*, ed. M. S. Hering Torres. Bogotá: Universidad Nacional de Colombia, 2008. *Anuario Colombiano de Historia Social y de la Cultura*, 36 no. 1 (2009): 331-336.

### HONORS AND AWARDS

- 2019. Fulbright Visiting Scholar Grant. Department of Social Medicine, University of North Carolina at Chapel Hill.

- 2016. LASA (Latin American Studies Association) Health, Science, and Technology Section Article Award for “‘La raza entra por la boca’: Energy, Diet, and Eugenics in Colombia, 1890-1940”.
- 2010. Visiting Research Fellowship, Spanish Ministry of Education, Culture and Sport, Autonomous University of Barcelona.
- 2007. Cum Laude, Ph.D. Dissertation, Autonomous University of Barcelona.
- 2005 and 2004. Two Travel Grants (PhD visiting Student), Agència de Gestió d’Ajuts Universitaris i de Recerca of Catalunya (Agauar), Department of History and Philosophy of Science, University of Cambridge, Advisor: Simon Schaffer.

## **RESEARCH GRANTS**

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- 2018-2019. Universidad del Rosario Research Grant (IV-FPC003) for project “Sociocultural history of nutrition in Colombia during the 20th century. Local and global relationships between scientific practices, representations of the population, state policies and food organizations and industries”. Principal Investigator.
- 2013-2016. Universidad del Rosario Research Grant (FIUR DVG-117) for project “History of nutrition and medical statistics in Colombia. A view from the interaction between science and medicine”. Principal Investigator.
- 2013-2015. Universidad del Rosario Research Grant (FIUR DVG-156) for project “Comparative study on the history of physiology in Latin America”. Principal Investigator.
- 2011-2012. Universidad del Rosario Research Grant (FIUR DVG-101) for project “The Engineering of the Social: Interactions between Natural Sciences and Social Sciences in the Construction of Modern Body in Colombia”. Principal Investigator.
- 2009-2012. Colombian National Research Grant (Colciencias - 120345221102) for project “Configurations of Scientific Knowledge about the Social in Colombia, 1870-1930”, Principal Investigator (with Óscar Saldarriaga, Universidad Javeriana and Franz Hensel, Universidad del Rosario).

## **ORGANIZATION OF ACADEMIC EVENTS (last 5 years)**

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1. International Workshop: *Assemblies of the food problem in Latin America during the 20th century. Local and global perspectives*. Universidad del Rosario, Bogotá, May 9-10, 2019. (Co-organized with J. Vargas).
2. Workshop: *Seguridad, inocuidad y toxicidad alimentaria. Perspectivas históricas y antropológicas*. Universidad del Rosario, Bogotá, November 9, 2018.
3. Congress Panel: “Blood, Food, and Climate: Historical Relationships between Physiology, Race, Nation-Building and Colonialism/Globalization”, *25th International Congress of History of Science and Technology (ICHST)*. Rio de Janeiro, July 23-29, 2017. (Co-organized with J. Manzoni and V. Heggie).
4. Congress Panel: “Alimentación/comida, Estado y diferencia en Colombia”, *XVI Congreso de Antropología en Colombia and V Congreso Asociación Latinoamericana de Antropología*. Bogotá, June 6-9, 2017. (co-organized with J. Camacho).
5. International Workshop: *Forging Science and Medicine: Categories, Objects, Boundaries*. Universidad del Rosario, Bogotá, August 28-29, 2014 (Co-organized with J. Simon and M. García).
6. International Workshop: *Alternative histories of Physiology in Latin America: In the search of comparative and transnational perspectives*. Universidad del Rosario, Bogotá, August 5-6, 2014.

## **PAPERS AT INTERNATIONAL CONFERENCES (last 5 years)**

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1. “The Inter-American Cooperative Health Service, the Instituto Nacional de Nutrición and the “technocratization” of the nutrition problem in Colombia, 1940-1960”, in *XXXVII International Congress of the Latin American Studies Association (LASA)*. Boston, May 24-27, 2019.
2. “The scientific lives of chicha. Fermented beverages, expert knowledge and the assembling of the social in Colombia, 1890-1940”, in *International Workshop: Unusual Cures, Non-Traditional Healers and New Ways of Conceiving Health and Illness in Latin America*. Harvard University, Cambridge, March 29-30, 2018.
3. “Chicha as a Chemical, Medical, and Social Problem: The Mobile Boundaries of an Object of Scientific Inquiry”, in *25th International Congress of History of Science and Technology*. Rio de Janeiro, July 23-29, 2017.

4. “Ciencia, publicidad alimentaria y subjetividades modernas en Colombia, 1920-1940”, in *XVI Congreso de Antropología en Colombia and V Congreso Asociación Latinoamericana de Antropología*. Bogotá, June 5-9, 2017.
5. “Internacionalização: Estratégias e Controvérsias”, in *1º Workshop Internacional. Desafios de revistas interdisciplinares: Experiências do Reino Unido, Brasil e América Latina em história, ciencias sociais e humanidades*. FIOCRUZ, Rio de Janeiro, June 22-24, 2016.
6. “La Gubernamentalidad de la Caloría: Colombia, entre Políticas Nutricionales Internacionales y Problemas Sociales Nacionales, 1930-1950”, in *XXXIV International Congress of the Latin American Studies Association (LASA)*. New York, May 27-30, 2016.
7. “Nutrición, cultura y poder en Colombia. Artefactos culturales y biografía de objetos científicos como propuesta teórico-metodológica para hacer historias de la ciencia” in *Primer Coloquio Nacional de Estudios Sociales de la Ciencia y la Tecnología*. Bogotá, April 7-9.
8. “Perspectivas culturales para hacer historia de la ciencia en América Latina”, in *Coloquio Internacional: Lo local y lo global: Latinoamérica en la historia de la ciencia contemporánea*. Universidad Nacional Autónoma de México, Ciudad de México, May 26-27, 2014.
9. “Engineering the social machine: Thermodynamics, physiological nutrition, and public health in Colombia, 1880-1930”, *24th International Congress of History of Science, Technology and Medicine*, Manchester, July 22-28, 2013.

## **TEACHING**

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### **Undergraduate Courses**

- History of Medicine
- Sociology and Anthropology of Medicine
- Food, Power and Culture: A Historical Perspective
- Science, Power and Society in Colombia, 19<sup>th</sup> Century
- History of Modern Europe
- Anthropology of Science
- History of Technology

### **Graduate seminars**

- Science, experts, policy and the State in the 20th century
- Introduction to Food Studies
- The Science and Culture of Nutrition in Modern Societies
- Contemporary Debates in Social Sciences
- History of Science, Technology and Medicine in Latin America
- Science, Power and Culture
- Historiography of Science
- Paradigms in Social and Human Sciences ((co-taught with Guillermo Hoyos and Juan Daniel Gómez)

## **ADVISING**

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### **Undergraduate Students, Thesis Adviser**

1. Lucio Villaizan, *Forge the bodies to build the nation: The use of physical culture in the formation of a modern society and in the creation of a national identity during the Liberal Republic (Colombia, 1930-1940)*. (History Program, Universidad del Rosario).
2. Laura Carrero, *The social life of a fruit: The chontaduro and its racial, alimentary and sexual meanings in Bogotá*. (Anthropology Program, Universidad del Rosario).
3. Sebastián Alban, *To civilize and reconstruct the social order: the School of Social Service of the University of Rosario and the configuration of a field of knowledge and intervention on "the working class" in Bogotá, 1936-1946*. (History Program, Universidad del Rosario).
4. Joan López, *The laboratory of the social: Configuration, Transformations and Applications of a Science of Society in Jorge Eliecer Gaitán, 1920-1946*. (History Program, Universidad del Rosario).

5. Mónica Álvarez, *The Emergence of Puericulture (Childcare) in Colombia in the First Half of the Twentieth Century*. (History Program, Universidad del Rosario).
6. Erick Ariza, *Wet Nurses, Mothers, Doctors: Medicalization of Breastfeeding in Bogotá, 1869-1945*. (Anthropology Program, Universidad del Rosario).
7. Daniel Sierra, *Technologies of Power: Health and Physical Education in the Medical Discourse in the City of Bogotá (1919 -1940)*. (Political Science Program, Universidad del Rosario).
8. Camilo Perdomo, *Photocopies and ICT: Users, Politics and Pedagogy at the University of Rosario*. (Sociology Program, Universidad del Rosario).
9. Byron León, *Practice and Popularization in the Corographic Commission of New Granada, 1850-1852*. (History Program, Universidad Javeriana).
10. Sebastián Ruiz, *The Sublime Science: A Cultural History of Astronomy Popularization in Colombia, 19<sup>th</sup> Century*. (History Program, Universidad Javeriana).

#### **Master Students, Thesis Adviser**

1. Lizeth Dayana Cuellar Sánchez, *Socio-cultural implications of knowledge and taste in children's nutrition. Perceptions of minutes with a differential approach in school canteen, Coyaima, Tolima* (MA in Public Health, Universidad del Rosario, in progress).
2. Luisa Fernanda Rojas, *Dietary supplements in Colombia. The history of Bienestarina and its cultural meanings* (MA in Public Health, Universidad del Rosario, in progress).
3. Daniel Duarte, *History of Food Engineering in Colombia: Science, Policy and Regulation* (MA in Social Studies, Universidad del Rosario).
4. Karen Martínez: *The training and professional practice of Social Workers in Colombia and their historical transformations* (MA in Social Studies, Universidad del Rosario).
5. Andrés Vivas: *Diomedes Guillermo Gómez Guzmán and Science Education in Cauca in the Early Twentieth Century* (MA in History, Universidad Javeriana).

#### **Ph.D. Students, Thesis Adviser**

1. Edna Carolina Bonilla: *The cultivation of cocoa in Colombia: circulation of science, agricultural development and local cultures, 1920-1960* (PhD in Biomedical and Biological Sciences, Universidad del Rosario, in progress).
2. Joel Vargas: *Metabolism and Nutrition in Postrevolutionary Mexico: Eugenics and Classification of the Mexican population between 1927 and 1943*. (PhD in History of Science, Universidad Nacional Autónoma de México, co-tutor).

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#### **PROFESSIONAL SERVICE**

##### **Editorial Service**

- Section Editor, peer-reviewed journal, *Revista Ciencias de la Salud* (section: Social Studies of Health). Universidad del Rosario, Bogotá, 2012-present.
- Assistant Editor, peer-reviewed journal, *Historia, Ciencias, Saude – Manguinhos*. Fundação Oswaldo Cruz, Rio de Janeiro, 2019-present.
- Member, Advisory Board, Brill series *Cultural Dynamics of Science*, 2014-present.
- Chief Editor, peer-reviewed journal, *Memoria y Sociedad*. Universidad Javeriana. Bogotá, 2009-2010.

##### **Networks and Memberships**

- Founder and coordinator, International Research Network on Historical and Social Studies of Nutrition and Food in Latin America (REHSNAL), [www.redehsnal.com](http://www.redehsnal.com), 2017-present.
- Member and webmaster, Research Group on Social Studies of Science, Technology and Professions (GESCTP), [www.gesctp.com](http://www.gesctp.com), 2011-present.
- The Conference on Latin American History (CLAH), Secretary of the Committee of Gran Colombia (2019-2020), and Chair of the Committee of Gran Colombia (2020-2021).
- Member of Latin American Studies Association (LASA), current.
- Member, Steering Committee, International Research Network on Science and Technology in the European Periphery (STEP), 2012-2015.

### **Peer Review for academic Journals**

Acta Biológica Colombiana; Antípoda; Dynamis; Anuario Colombiano de Historia Social y de la Cultura; Bulletin of Latin American Research; Centaurus; Journal of Latin American Studies; História, Ciências, Saúde-Manguinhos; Historia Crítica; History of Science; Revista CS; Revista de Estudios Sociales; Spanish Cultural Studies; Trashumante; Revista Americana de Historia Social.

### **LANGUAGES**

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- English      Advanced (IELTS: 7.5)
- Spanish      Proficiency
- German      Upper-Intermediate (Deutsches Sprachdiplom Stufe I and II)
- Catalan      Intermediate