

Cristián Navarrete

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Education

Oxford University

DPhil in Anthropology July 2025 – Present

Pontifical Catholic University of Chile

Master of Research, Sociology March 2022 – January 2024
Degree obtained with highest distinction

Bachelor of Arts, Sociology March 2018 – April 2024

Complementary Education

Certificate Programs, Millennium Initiative for Collaborative Research in Bacterial Resistance (MICROB-R)

'Clinical Microbiology: Infectious Disease Course 2022' Dec 2022

'Clinical Microbiology: Laboratory Diagnosis of Bacterial Resistance: From the Antibiogram to the Study of Genes' Nov 2022

Certificate Program, Collaborative Institutional Training Initiative (CITI)

Human Subjects Research Jun 2023

Skills

- Statistical analysis
- Qualitative analysis
- Ethnographic research
- Documentary research
- Systematic reviews
- R/Stata

- ## - Citizen and public science

Interests

Science, technology and medicine; multi-method research; public participation and citizen science; antibiotics; environmental risks

Research Experience

FONDECYT ‘Energetic transition and critical minerals: tensions in alternative socio-ecological futures’

Research assistant May 2024 – Present

Coordinator of academic products. I am responsible for article design and writing, quantitative and qualitative data analysis, interviews, and advising thesis students and other research assistants on their fieldwork and articles. To date, I have led the writing and submission of three articles and we plan to submit multiple more manuscripts

FONDECYT N°1230364 ‘Worlds of algae: Exploring the emergence of marine transition experiments in Chile.’

Research assistant Apr 2023 – Dec 2024

Conducted a bibliographical review of academic articles and grey literature on coastal Indigenous communities, focusing on their relationships with the state, private companies, and other publics. Carried out participatory ethnographic research with the community to identify alternative uses for an already harvested type of algae. Coordinated with multiple stakeholders to enhance community livelihoods and economic activities.

FONDAP ‘Social cohesion and multilevel conflicts surrounding energetic transition: the social and political challenges of Green Hydrogen for Chile.’

Research assistant Oct 2023 – Jan 2024

Conducted a bibliographic review of academic articles and grey literature and constructed a database to estimate the potential job creation of the green hydrogen industry in Magallanes. Included an exploratory analysis of job characterization and housing impacts.

Master's thesis at FONDECYT1211933 'Excess morbidity, mortality, and economic burden associated with the presence of multi-resistant bacteria in intensive care units in Chile.'

Master's student

Mar 2023 – Jan 2024

My thesis explored the emergence of scientific uncertainty in antimicrobial resistance research in Chile. I designed and conducted ethnographic fieldwork in clinical and research laboratories to understand the practical foundations of uncertainty, emphasizing the roles of automation, gender, funding, institutional arrangements, and public regulations.

FONDECYT 11180458, 'An Intermediate Ethical Approach for the Resolution of Socio-environmental Conflicts'

Research Assistant

Aug 2022 – Sept 2023

Designed and conducted a systematic literature review to update bibliographic material and data for the preparation of the critical apparatus of the book *Environmental Philosophy: Principles and Ethical Values for a Planetary Citizenship*.

Emergent Threats to Global Health Group, Pontifical Catholic University of Chile

Research Assistant

Nov 2021 – Jan 2022

Developed and conducted a rapid literature review on climate-related migration and its impact on health services, following the PRISMA statements and protocol for systematic reviews.

Presentations

Navarrete, C. (July 2024). Is antimicrobial resistance inevitable? Socioecological history from lab benches to global health inequalities. In person presentation at the Joint SHOT-ICOHTEC Meeting. Viña del Mar.

Navarrete, C. (May 2024). Responder el 'por qué' más allá de la causalidad: explicación cualitativa no-causal. In person presentation at XII Congreso Chileno de Sociología. Santiago de Chile.

Navarrete, C. (April 2024). Rethinking (social) realism: from entities to the shared practices of science. Online presentation at the Annual Critical Social Ontology Workshop.

Navarrete, C. (January 2024). Una etnografía de la incertidumbre en el trabajo científico y clínico en resistencia a antibióticos. In person presentation at the XI Encuentro CTS-2024: 'Oscilaciones', La Serena.

Navarrete, C. (March 2023). Los fenómenos “sociales” son contextualmente emergentes: un diálogo entre el Realismo Crítico y la Teoría del Actor-Red. In person presentation at the IV CONGRESO LATINOAMERICANO DE TEORÍA SOCIAL: ‘Pensar global / Pensar local. La comprensión del mundo contemporáneo’. Santiago de Chile

Navarrete, C. (February 2022). Redefining emergence: the case for contextual emergence in critical realism. Online presentation at the International Association of Critical Realism 2022 Conference: ‘Realist Complexity between Causal and Complex Systems’, International Institute of Social Studies, The Hague

Publications

Navarrete, C. Campos-Medina, F. & Ojeda-Pereira, I. (2025). Opening the Methodological Black Box in Science and Technology Studies of the Future(s). Shadows and Proposals. *Futures*.

Navarrete, C. (2024). Rearticulating Realism: Chains of Reference and Epistemic Success in the Sciences. *Sociological Theory*, 42(4), 354-379.

Navarrete, C. (2024). Shifting scales and temporalities: Socioecological challenges from the Antibiocene to the environmental debate. *Cuadernos de Teoría Social*, 10(19), 42-73.

Fryer, T & **Navarrete, C.** (2024). *A short guide to ontology and epistemology: why everyone should be a realist*. (3rd Ed.).

Navarrete, C. & Fryer, T. (2023). Redefining Emergence: Making the Case for Contextual Emergence in Critical Realism. *Journal for the Theory of Social Behaviour*, 54(2), 167–184.

Elder-Vass, D., Fryer, T., Groff, R. P., **Navarrete, C.**, & Nellhaus, T. (2023). Does critical realism need the concept of three domains of reality? A roundtable. *Journal of Critical Realism*, 22(2), 222-239.

Reyes, J., Ortega, C., Acuña, M. J., Campos, C., Celis, J., González, J., Ludueña, A., Martínez, N., **Navarrete, C.**, Neira, D., Prater, V., Tobar, V. (2021). Dinámicas de división del trabajo en base al género en familias chilenas durante la crisis Covid-19. In UC Propone 2020. Centro de Políticas Públicas UC. <https://www.ucpropone.cl/publicaciones/2020>

Fryer, T. (2020). *Una Breve Guía para la Ontología y Epistemología: Por qué todos debiesen ser realistas críticos* (**Navarrete, C.** Trad.).

Working papers

Navarrete, C. Campos-Medina, F. & Ojeda-Pereira, I. (Drafting). The temporal dynamics of socio-environmental conflicts: D-escalation of media coverage on Los Pelambres' copper mining tailing dams in Chile (2005-2024)

Figueroa, R., **Navarrete, C.** Campos-Medina, F. & Ojeda-Pereira, I. (Drafting). Energy transitions without a developmental State: building and anticipating a green hydrogen industry in Chilean Patagonia.

Navarrete, C. (under review). Bridging mechanistic worlds: a minimalist solution for reintegrating sociological explanation. *Synthese*

Navarrete, C. Campos-Medina, F. & Ojeda-Pereira, I. (under review). Exploring the Future in Science and Technology Studies (STS): History, Approaches and Challenges. *Science & Technology Studies*.

Navarrete, C. (under review). Generalized but differently organized: The scientific uncertainty of antimicrobial resistance laboratory work. *Science & Technology Studies*

Navarrete, C. (pre-print). Answering “why” beyond causality: exploring (non) causal explanation in qualitative research. [10.31124/advance.172427543.34805937/v1](https://doi.org/10.31124/advance.172427543.34805937/v1)

Teaching Experience

University of Chile, Faculty of Social Sciences

Postgraduate Teaching

March 2025 – Jul 2025

I taught the course ‘Contemporary Sociological Theory’ for students in the ‘Social Sciences Master’s’ Program. I was responsible for syllabi design, teaching, and evaluation.

Diego Portales University. Faculty of Social Science and history

Postgraduate Teaching Assistant

Aug 2024 – Sept 2024

Evaluated student work, prepared classes, and assisted in syllabus design for the course ‘Theory and Methods’ in the master’s program in Methods for Social Research.

Adolfo Ibáñez University. School of Government

Postgraduate Teaching Assistant

Jul 2023 – Aug 2023

Evaluated student work, prepared replacement classes, and developed supplementary materials for the professor's lectures in the course 'Contemporary Sociology.' This master's course introduces students from the 'Economy and Public Policy' program to sociology.

Pontifical Catholic University of Chile, *Sociology Institute*

Undergraduate Teaching Assistant Jul 2023 – Dec 2023

Evaluated student work and prepared supplementary materials for the professor's lectures and readings in the course 'Life-World's Sociology,' an undergraduate mandatory course on phenomenology, hermeneutics, and pragmatism in sociology.

Adolfo Ibáñez University, *School of Government*

Undergraduate Teaching Assistant Jul 2022 – Dec 2022

Evaluated student work and prepared supplementary materials for the professor's lectures in the course 'Sociology in Times of Crisis,' an elective undergraduate course introducing final-year engineering students to sociology.

Pontifical Catholic University of Chile, *Sociology Institute*

Certificate Program Teaching Assistant May 2022 – Aug 2022

Evaluated student work, prepared, and delivered online lectures on statistical analysis using social data in STATA for the Certificate Program in 'Social Data Analysis.'

Pontifical Catholic University of Chile, *Sociology Institute*

Undergraduate Teaching Assistant Jul 2021 – Dec 2021

Evaluated student work and prepared supplementary materials for the professor's lectures and readings in the course 'Individual and Society,' a mandatory undergraduate course introducing first-year sociology students to social psychology.

Pontifical Catholic University of Chile, *Sociology Institute*

Undergraduate Teaching Assistant March 2021 – Jul 2021

Evaluated student work and prepared supplementary materials for the professor's lectures and readings in the course 'Systems Sociology,' a mandatory undergraduate course on general systems theory in sociology.