

Cristián Navarrete

cristian.navarrete@alumni.uc.cl | +569 34143827 | [web](#)

Education

Pontifical Catholic University of Chile

Master of Research, Sociology Degree obtained with highest distinction	March 2022 – January 2024
Bachelor of Arts, Sociology	March 2018 – January 2024

Complementary Education

Certificate Programs, MICROB-R

'Clinical Microbiology: Infectious Disease Course 2022'	Dec 2022
'Clinical Microbiology: Laboratory Diagnosis of Bacterial Resistance: From the Antibigram to the Study of Genes'	Nov 2022

Skills

- Statistical analysis
- Qualitative analysis
- Documentary research
- Systematic reviews
- R/Stata
- Citizen and public science

Interests

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

Research Experience

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

Research assistant

May 2024 – to the date

Lead the writing of two academic articles on science and technology 'futures.' First article reviews the history of the concept in social thought, its current usage in science and technology studies and identifies current challenges. For the second article, I designed an instrument to appraise science and technology methodologies to make the 'future' a research object.

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

Research assistant

March 2024 – to the date

Bibliographical review of academic articles and grey literature on coastal indigenous communities and its relations to the state, private companies, and other publics. Carried ethnographic participatory research with the community to found alternative usages of an already recollected kind of algae. Multiple stakeholders' coordination with the mission to improve 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

Bibliographic review of academic articles and grey literature, and Database construction with the aim of estimating the number of jobs that the green hydrogen industry could produce in Magallanes. Exploratory 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 focused on the emergence of scientific uncertainty in antimicrobial resistance research in Chile. I designed and did ethnographic fieldwork in clinical and research laboratories to understand the scientific and public foundations of uncertainty. Highlighting the role of automatization, 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 carried out a systematic review of literature 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 – To the date

Developed and carried a rapid review of literature on Climate Related Migration and its Effects to Health Services following the PRISMA Statements and protocol for systematic reviews.

Pasos Program, Andes University

Research Assistant

Nov 2021 – Feb 2022

Evaluated *Nocedal* School perceptions on education quality and overall educational environment through quantitative and qualitative data analysis for minimizing school dropouts.

Designed school workshops on overall psychological wellbeing of adolescent students to help parents in dealing with general problems of this developmental stage.

Impulsa Project, Arturo López Pérez Foundation

Research Assistant

2021

Implemented and evaluated a follow up survey about the subjective wellbeing of the Oncological Institute functionaries in the Arturo López Pérez Foundation for improving their work environment facing death and suffering patients.

Andes University

Research Assistant

2019

Implemented and analyzed a survey to evaluate the impact of the Presidency Program for Family Development '*Fundación de las Familias*'.

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. (In press). Rearticulating realism: chains of reference and epistemic success in the sciences. *Sociological theory*.

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. (drafting). Re-ordering sociological inferences: the necessity of social systems to make sense of explanations.

Navarrete, C. Campos-Medina, F. & Ojeda-Pereira, I. (drafting). Rendering the future a research object: STS issues with future's performativity.

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). The organized nature of uncertainty: constitutive yet differential in antimicrobial resistance laboratory work. *Social Science & Medicine*.

Navarrete, C. (pre-print). Answering "why" beyond causality: exploring (non) causal explanation in qualitative research. 10.31124/advance.172427543.34805937/v1

Teaching Experience

Diego Portales University, Faculty of Social Science and history

Postgraduate Teaching Assistant

Aug 2024 – Sept 2024

Evaluated students works, prepared classes and helped in the syllabus design for 'Theory and Methods'. A course from the 'Methods for social research' master's program.

Adolfo Ibáñez University, School of Government

Postgraduate Teaching Assistant

Jul 2023 – Aug 2023

Evaluated students works, prepared replacement classes and complementary material to the professor lectures for the course '*Contemporary Sociology*'. A master's course introducing students from the '*Economy and public policy*' program top sociology.

Pontifical Catholic University of Chile, *Sociology Institute*

Undergraduate Teaching Assistant

Jul 2023 – Dec 2023

Evaluated students works and prepared complementary material to the professor lectures and readings for 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 students works and prepared complementary material to the professor lectures for the course '*Sociology at Times of Crisis*'. An undergraduate optative course introducing last year's engineering students to sociology.

Pontifical Catholic University of Chile, *Sociology Institute*

Certificate Program Teaching Assistant

May 2022 – Aug 2022

Evaluated students works, prepared, and gave online lectures on statistical analysis using social data in STATA for the Certificate Program '*Social Data Analysis*'.

Pontifical Catholic University of Chile, *Sociology Institute*

Undergraduate Teaching Assistant

Jul 2021 – Dec 2021

Evaluated students works and prepared complementary material to the professor lectures and readings for the course '*Individual and Society*'. An undergraduate mandatory course introducing first year sociology students to social psychology.

Pontifical Catholic University of Chile, *Sociology Institute*

Undergraduate Teaching Assistant

March 2021 – Jul 2021

Evaluated students works and prepared complementary material to the professor lectures and readings for the course '*Systems Sociology*'. An undergraduate mandatory course on general systems theory in Sociology.

