

EDUARDA FONSECA DA NOVA CRUZ

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RESEARCH INTERESTS

Philosophy of Physics • General Philosophy of Science • Feminist Philosophy

EDUCATION

Oct 2023 — Aug 2025
(expected)

MA in Logic and Philosophy of Science
Ludwig Maximilian University of Munich, Germany
Thesis (in progress): *Relational Quantum Mechanics and Structural Realism*
Supervisor: Sébastien Rivat

May 2023 — May 2025
(expected)

MA in Philosophy (Dual Degree)
Federal University of Rio Grande do Sul, Brazil
Thesis (in progress): *Unitary Quantum Mechanics and Perspectival Realism*
Supervisor: Rogério Severo

Mar 2018 — Oct 2022

BSc in Physics
Federal University of Rio Grande do Sul, Brazil
Final Grade Average: 9.4/10 (GPA: 3.681)
First-ranked in the program's final classification

EXPERIENCE

Oct 2024 — present

Teaching Assistant
Federal University of Rio Grande do Sul, Brazil
Institute of Philosophy and Human Sciences

Position for the undergraduate course **Philosophy of Science**, which involves giving three lectures on the subject and grading students' evaluations. Funded by the Coordination for the Improvement of Higher Education (CAPES)

- Aug 2023 **Invited Speaker — Quantum Physics for High School**
São José School, Brazil
 Two presentations aimed at introducing quantum mechanics and some of its philosophical issues to high school students
- May 2023 — present **Graduate Student Researcher**
Federal University of Rio Grande do Sul, Brazil
Institute of Philosophy and Human Sciences
 Research project on **Unitary Quantum Mechanics and Perspectival Realism** that investigates the types of realism which might be associated with theories such as Rovelli’s relational mechanics, including Massimi’s perspectival realism. Funded by the Coordination for the Improvement of Higher Education (CAPES)
- Sep 2021 — Aug 2022 **Undergraduate Student Researcher**
Federal University of Rio Grande do Sul, Brazil
Institute of Physics
 Research project on Information Flow in Orthodox, Bohmian, and Everettian Interpretations of Quantum Mechanics that contrasted the different ontologies and dynamics of these interpretations through the description of a measuring process modelled by a two-qubit system. Funded by the National Council for Scientific and Technological Development (CNPq)
- Dec 2018 — Apr 2019 **Volunteer Undergraduate Student Researcher**
Federal University of Rio Grande do Sul, Brazil
Astronomy Department
 Research project on Photometry of a Fossil Galaxy Group, analyzing data to determine its composition
- Oct 2018 — Dec 2018 **Volunteer Undergraduate Student Researcher**
Federal University of Rio Grande do Sul, Brazil
Institute of Biosciences
 Research project on Capillary Electrophoresis, focused on experimental laboratory work dealing with biological samples
- Mar 2017 — Nov 2017 **Physics Tutor**
Anglo School, Brazil
 Volunteer position for assisting in the Physics course at a preparatory school for students who intended to take admission exams to enter public universities, which involved regular exercise sessions as well as one-to-one appointments

RESEARCH PROJECTS

PUBLICATIONS

Nov 2023 **Quantum theories with local information flow**,
coauthored with David Möckli, *Brazilian Journal of
Physics*, 54(1)

UNPUBLISHED PAPERS

- “A metaphysical picture for perspectival realism”
- “The epistemological role of non-structural properties for identity relations in non-eliminative structuralism”
- “The maximin rule and agency of the oppressed: gender issues”

AWARDS AND SCHOLARSHIPS

May 2023 — present **Master’s Degree Scholarship**
Granted by the Coordination for the Improvement of Higher Education (CAPES) to **top-ranked master students** who commit themselves to fulfill all the academic requirements of their respective programs – including duties as teaching assistants – and regularly report their performance to the funding institution (~ \$6125)

Sep 2021 — Aug 2022 **Undergraduate Researcher Scholarship**
Granted by the National Council for Scientific and Technological Development (CNPq) to undergraduate students for **conducting scientific research projects** developed by professors at federal universities (~ \$930)

2018 **Outstanding Freshman Award**
Granted by the National Institute of Educational Studies and Research Anísio Teixeira in partnership with the Organization of Ibero-American States for Education, Science and Culture to first-year students for their **outstanding achievement** (~ \$1290)

2017 **Outstanding Student Distinction**
Awarded as an honors degree to the student who achieved the highest total score in high school

TALKS

- Oct 2024 **“Philosophy of Quantum Mechanics: Concepts and Foundations”** (Portuguese). *Janelas Filosóficas*, Federal University of Rio Grande do Sul, Online
- Oct 2024 **“Philosophy of Quantum Mechanics: Interpretations”** (Portuguese). *Janelas Filosóficas*, Federal University of Rio Grande do Sul, Online

PROFESSIONAL DEVELOPMENT

- Oct 2024 — present **Intercultural Communication Certificate Program**
Graduate certificate program offered by LMU Munich, which focuses on the development of skills that promote effective and respectful collaborations with people from different cultural contexts, as well as competences for managing the challenges of heterogeneous professional environments
- Nov 2023 — present **Philosophy of Physics Reading Group**
Regular participant in the Philosophy of Physics reading group at LMU Munich, which meets once a week to discuss chapters of recently published books in the field
- May 2022 — Oct 2022 **Women in Science (Project)**
Participant in the collaborative program of Federal University of Rio Grande do Sul, Pontifical Catholic University of Rio Grande do Sul and King’s College London with the main objective of encouraging and ensuring female leadership in scientific research through the development of common policies
- Nov 2021 — Dec 2021 **X Conference on Quantum Foundations: Ten Irreversible Years of Quantum Foundations In Argentina**
Participant in the online edition of the international annual event hosted by Argentinian universities, among them National University of Córdoba, and sponsored by the National Scientific and Technical Research Council (CONICET)
- Aug 2021 **On the Shoulders of Everett (Conference)**
Participant in the online international event hosted by scholars from the University of Oxford, UK, and the University of Lugano, Switzerland, and which focused on recent developments of Everettian quantum mechanics

SELECTED GRADUATE COURSEWORK

Oct 2024 — present	Wilfrid Sellars and Philosophy of Science (John Dougherty) <i>Ludwig Maximilian University of Munich, Germany</i>
Apr 2024 — Jul 2024	Philosophy of Quantum Theory (John Dougherty) <i>Ludwig Maximilian University of Munich, Germany</i>
Apr 2024 — Jul 2024	Central Topics in Logic: Philosophy of Mathematics and Its Logical Methods (Hannes Leitgeb) <i>Ludwig Maximilian University of Munich, Germany</i>
Apr 2024 — Jul 2024	Formal Methods II: Social Choice Theory (Christian List) <i>Ludwig Maximilian University of Munich, Germany</i>
Mar 2024 — Aug 2024	Epistemology Seminar — William James, pragmatism, and psychology (Rogério Severo) <i>Federal University of Rio Grande do Sul, Brazil</i>
Oct 2023 — Feb 2024	Scientific Realism and Its Discontents (Sébastien Rivat) <i>Ludwig Maximilian University of Munich, Germany</i>
Oct 2023 — Feb 2024	Philosophy of Mind — Seminar on Charles Taylor's The Sources of the Self (Rogério Severo) <i>Federal University of Rio Grande do Sul, Brazil</i>
May 2023 — Sep 2023	Naturalism — Quine (Rogério Severo) <i>Federal University of Rio Grande do Sul, Brazil</i>

LANGUAGES

Portuguese — Native Speaker

English — CEFR Level C2 (IELTS Academic)

German — Niveau B2 (Einstufungstest DaF)