

Stanford

Rosa Cao

Assistant Professor of Philosophy

Bio

ACADEMIC APPOINTMENTS

- Assistant Professor, Philosophy
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Wu Tsai Neurosciences Institute

PROGRAM AFFILIATIONS

- Symbolic Systems Program

Teaching

COURSES

2020-21

- Philosophy and Science Fiction: PHIL 7N (Aut)
- Philosophy of Neuroscience: PHIL 167D, PHIL 267D, SYMSYS 167D (Win)
- Topics in Neuroscience: PHIL 368A (Win)

2019-20

- Naturalizing Content: PHIL 182B, PHIL 282B (Win)
- Philosophy of Biology: Learning and Evolution: PHIL 368 (Aut)
- Philosophy of Mind: PHIL 186, PHIL 286 (Aut)
- Philosophy of Neuroscience: PHIL 167D, PHIL 267D, SYMSYS 167D (Win)

2018-19

- Grad Seminar: Philosophy of Neuroscience: PHIL 360 (Win)
- Naturalizing Representation: PHIL 182A, PHIL 282A (Aut)
- Philosophy and Science Fiction: PHIL 7N (Aut)
- Philosophy of Neuroscience: PHIL 167D, PHIL 267D, SYMSYS 167D (Win)

2017-18

- Grad Seminar: Philosophy of Neuroscience: PHIL 360 (Aut)
- Philosophy and Science Fiction: PHIL 7N (Aut)
- Philosophy of Mind: PHIL 186, PHIL 286 (Spr)
- Philosophy of Neuroscience: PHIL 167D, PHIL 267D, SYMSYS 206A (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Grace Huckins

Doctoral Dissertation Advisor (AC)

Sally Tilton

Doctoral (Program)

Imran Thobani

Publications

PUBLICATIONS

- **Crowding out Memetic Explanation** *PHILOSOPHY OF SCIENCE*
Cao, R.
2020; 87 (5): 1160–71
- **New Labels for Old Ideas: Predictive Processing and the Interpretation of Neural Signals** *REVIEW OF PHILOSOPHY AND PSYCHOLOGY*
Cao, R.
2020
- **Modest and immodest neural codes: Can there be modest codes?** *The Behavioral and brain sciences*
Cao, R. n., Rathkopf, C. n.
2019; 42: e221
- **COMPUTATIONAL EXPLANATIONS AND NEURAL CODING** *ROUTLEDGE HANDBOOK OF THE COMPUTATIONAL MIND*
Cao, R., Sprevak, M., Colombo, M.
2019: 283–96
- **Content in Simple Signalling Systems.** *The British journal for the philosophy of science*
Shea, N., Godfrey-Smith, P., Cao, R.
2018; 69 (4): 1009–35
- **Signaling in the Brain: In Search of Functional Units**
Cao, R.
UNIV CHICAGO PRESS.2014: 891–901
- **A teleosemantic approach to information in the brain** *BIOLOGY & PHILOSOPHY*
Cao, R.
2012; 27 (1): 49–71
- **The hemo-neural hypothesis: On the role of blood flow in information processing** *JOURNAL OF NEUROPHYSIOLOGY*
Moore, C. I., Cao, R.
2008; 99 (5): 2035–47