

# Mario D. Molina

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## ACADEMIC APPOINTMENTS

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### New York University Abu Dhabi

Assistant Professor, Social Research and Public Policy (2024 – Present).

### New York University Abu Dhabi

Postdoctoral Associate, (2020 – 2024).

## EDUCATION

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### Cornell University

2020. Ph.D in Sociology (*Minor in Statistics*)

*Dissertation Committee:* Michael W. Macy (chair), Victor Nee (co-chair), Filiz Garip, and Martin Wells (Statistics).

2017. M.A., Sociology

### Universidad Católica de Chile

2011. M.A., Sociology

### Universidad de los Andes, Chile

2009. B.A., Philosophy

2008. B.A., Education

## PUBLICATIONS

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**Molina, Mario D.**, Nancy Chau, Amanda Rodewald, and Filiz Garip (2022). “[How to model the weather-migration link: A machine-learning approach to variable selection in the Mexico-U.S. context.](#)” *Journal of Ethnic and Migration Studies*.

**Molina, Mario**, Victor Nee, and Hakan Holm (2022). “[Cooperation with strangers: Spillover of community norms.](#)” *Organization Science*.

Filiz Garip and **Molina, Mario D.** (2021). “[Network amplification](#)”, chapter 16, pp. 306-320. In *Research Handbook on Analytical Sociology*, Gianluca Manzo (ed.), Massachusetts, USA: Edward Elgar.

**Molina, Mario D.**, Mauricio Bucca, & Michael Macy (2019). “[It’s not just how the game is played, it’s whether you win or lose.](#)” *Science Advances*, vol. 5, eaau1156.

**Molina, Mario** & Filiz Garip (2019). “[Machine learning for sociology.](#)” *Annual Review of Sociology*, vol. 45.

**Molina, Mario** (2013), “[Unity between Sensibility and Understanding. The Origin of the Critical Problem](#)”. *Revista de Filosofía*, vol. LXIX, 195-213.

## WORKING PAPERS AND UNDER REVIEW

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**Molina, Mario D.**. “To rest on one’s laurels?: Limitations of status orders for cooperation systems.”

Drouhot, Lucas, **Mario D. Molina**, & Filiz Garip. “Divided in diversity? Majority-minority ties and cultural difference in friendship networks among European adolescents.”

Makovi, Kinga and **Mario D. Molina**. “Unequal pay for unequal work? Uncertain performance and fairness in the workplace.”

Occhiutto, Nicholas and **Mario D. Molina**. “Brokering price bubbles: The case of the taxicab medalion bubble in New York City.”

## WORK IN PROGRESS

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**Molina, Mario D.**. “The influence of high-status individuals on group-level cooperation.”

Bucca, Mauricio and **Mario D. Molina**. “Do people *really* prefer unequal societies? An experimental study on fairness concerns.”

**Molina, Mario D.** and Mauricio Bucca. “Is fairness contagious? An online experiment on the spread of fairness beliefs.”

Asad, Asad L., Amy Johnson and **Mario D. Molina**. “On the margins: Categorical typicality and psychological distress in the United States, 2011-2018.”

Pan, Rui, **Mario D. Molina**, and Minsu Park. “Status differences and team disruption among K-pop bands using Wikipedia edits.”

**Molina, Mario D.** and Inna Smirnova. “The effect of negative status changes on voluntary contributions to a large Q&A community.”

## FELLOWSHIPS, AWARDS, AND GRANTS

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2022. Reserch Grant for the Project *How do conservatives and liberals apply fairness principles when they have information about group membership and the structure of economic opportunity?* (\$10,000). Social Science Division, New York University Abu Dhabi.

2019. Research Travel Grant for Dissertation project. (\$2,000). Graduate School, Cornell University.

2018. Seed Grant for the Project *The co-evolution of ingroup favoritism and group structure in online communities* (\$1,500). Center for the Study of Inequality, Cornell University.

2016. Research Grant for the Project *Talent, Circumstances, or Luck? An Experimental Approach to the Study of Beliefs about Inequality and Fairness*. (\$3,000). Center for the Study of Inequality, Cornell University.

2015. Seed Grant for the Project *Legitimation or Differential Perception? An Experimental Approach to the Study of Beliefs about Inequality*. (\$1,500). Center for the Study of Inequality, Cornell University.

2013-2017. Fellowship for Doctoral Studies in the United States. Fulbright.

2013-2017. Chile’s National Fellowship for Doctoral Studies abroad. Becas Chile, Conicyt.

2010-2011. Fellowship for Master Studies in Chile. Fundacion Volcan Calbuco.

2007. Hochschulwinterkurs. University Winter Course in Germany for Foreign Students (at Leipzig Universitaet). Deutscher Akademischer Austausch Dienst (DAAD).

## ADDITIONAL TRAINING AND INTERNSHIPS

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### Princeton University

2021. Summer Institute in Computational Social Science (Summer).

### Max Planck Institute for Demographic Research

2021. Topics in Digital and Computational Demography (Fall). *Declined*.

## **Santa Fe Institute**

2019. Advanced Graduate Workshop in Computational Social Science (Summer).

2017. Graduate Workshop in Computational Social Science (Summer).

## **Facebook**

2018. Research Scientist in the Demography and Survey Sciences team (Summer).

## **PRESENTATIONS (SELECTED)**

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“To rest on one’s laurels: Effectiveness and sustainability of status orders.”

**Max Planck Institute for Demographic Research**, Rostock (2022). *Invited* (scheduled).

“Cooperation with strangers: Spillover of community norms.”

**Center for Behavioral Institutional Design** (C-BID), New York University Abu Dhabi (2021).

“Machine Learning for Sociology.”

**German Centre for Higher Education Research and Science Studies** (DZHW) (2021).  
*Invited*.

“Resting on your laurels? Status dynamics and individual performance in a large online community.”

**American Sociological Association** (ASA), Annual Meeting (2021).

“How to model the weather-migration link: A machine-learning approach to variable selection in the Mexico-U.S. context.”

**United Nations** (2020). *Invited*

**Advanced Statistics**, Ph.D. course, Sociology Department, Cornell University (2020). *Invited*.

“Cooperation with strangers: Spillover of community norms.”

**Economic Sociology Colloquium Series**, CSES, Cornell University (2020).

“Resting on your laurels? Status dynamics and individual performance in a large online community.”

**GWCSS Alumni Conference**, Santa Fe Institute (2019).

**Inequality Discussion Group**, Center for the Study of Inequality, Cornell University (2019).

“It’s not just how the game is played, it’s whether you win or lose.”

**American Sociological Association** (ASA), Annual Meeting (2018).

**Population Association of America** (PAA), Annual Meeting (2018).

**Conference on Digital Experimentation**, MIT (2016).

“Can Group Level Norms Help Predict Future Attitudes?”

**International Network of Analytical Sociologists**, INAS, Harvard University (2015).

**Sunbelt Conference**, INSNA, Annual Meeting (2015).

## **REVIEWER**

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*American Sociological Review, American Journal of Sociology, Sociological Science, Social Forces, Sociological Methodology, Sociological Methods & Research, Demography, Social Science Research, Sociological Forum, Political Analysis, Socius, Plos One, Economic Modelling, Cities, AERA Open.*

## **PROGRAMMING SKILLS**

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Python, R, Bash, PySpark, L<sup>A</sup>T<sub>E</sub>X, Git, Stata.