

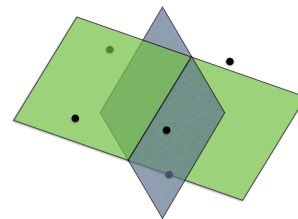
Pablo Soberón

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Languages: Spanish, French, English



Academic positions

- 2018-present Assistant Professor. Baruch College, City University of New York.
- 2015-2018 Andrei Zelevinsky Postdoctoral Research Instructor. Northeastern University.
- 2013-2015 Postdoctoral Assistant Professor. University of Michigan. Ann Arbor, USA.

Education

- 2010 BA in Mathematics, Universidad Nacional Autónoma de México
- 2013 PhD in Mathematics, University College London. Supervisors: Imre Bárány, Keith Ball.

Research interests

I am interested in the interaction between combinatorics, algebraic topology and linear algebra. I have focused my research in discrete geometry and topological combinatorics.

Grants

External

- 2021-2024 NSF DMS Grant 2054419. *Topology and Linear Algebra in Discrete Geometry*.
Principal Investigator(s): Pablo Soberón
Amount: \$195,094.00
- 2021-2024 NSF REU site Grant 2051026. *REU Site: New York City Discrete Mathematics REU*.
Principal Investigator(s): Adam Sheffer. Co-PI: Pablo Soberón
Amount: \$259,200.00
- 2018-2021 NSF DMS Grant 1851420. *Combinatorial Properties of Convex Sets and Measures in Euclidean spaces*
Principal Investigator(s): Pablo Soberón.
Amount: \$105,211.00 (+\$12,000 REU supplement)
- 2019-2022 National Researcher Level 1 - CONACyT (Mexico)
Sistema Nacional de Investigadores, Nivel 1.

Internal

- 2020-2021 PSC CUNY research award, type B. #63529-00 51
Principal Investigator(s): Pablo Soberón
Amount: \$4350.00
- 2019-2020 PSC CUNY research award, type B. #62639-00 50

Principal Investigator(s): Pablo Soberón
Amount: \$5700.07

Research papers and manuscripts

Google Scholar: <https://scholar.google.com/citations?user=3moLEYcAAAAJ>
Scopus Author ID: 36873280200
ORCID: <http://orcid.org/0000-0003-2347-4279>

Selected awards

- 2012 Davenport Prize in Pure Mathematics. University College London.
- 2009 Special Gold Medal. I CIIM (*Iberoamerican Interuniversity Mathematical Competition*) Girardot, Colombia.
- 2006a Bronze Medal. Asian Pacific Mathematical Olympiad
- 2006b Gold Medal. XXI Iberoamerican Mathematical Olympiad. Guayaquil, Ecuador
- 2006c Gold Medal. XLVII International Mathematical Olympiad. Ljubljana, Slovenia.
- 2005a Silver Medal. Asian Pacific Mathematical Olympiad
- 2005b Bronze Medal. XLVI International Mathematical Olympiad. Mérida, Mexico.
- 2005c Silver Medal. XX Iberoamerican Mathematical Olympiad. Cartagena de Indias, Colombia.
- 2004 Gold Medal. VI Central American and the Caribbean Mathematical Olympiad. Managua, Nicaragua.

Undergraduate Students Research Mentoring

Students with (*) are coauthors in research papers.

- 2020 Travis Dillon (*), John A. Messina (*), Yaqian Tang (*), Kukai Nakahata, Shawn Roy, Phillip Chen
- 2019 Sherry Sarkar (*), Alexander Xue (*)
- 2017 Christina Nguyen
- 2016 Adam Tobey

Other activities / Broader impacts

- 2020a Co-organizer of Baruch College Combinatorics REU. Co-organizers: A. Sheffer, M. Junge, G. Moshkovitz.
- 2020b Coach for the Panama Mathematical Olympiad international teams. Panama City, Panama.
- 2019a Putnam Mathematical competition training and supervision, Baruch College.
- 2019b Co-organizer of Baruch College Combinatorics REU. Co-organizers: Adam Sheffer, Frank de Zeeuw.
- 2018a Putnam Mathematical competition training and supervision, Baruch College.
- 2018b Special session organizer. AMS Spring Eastern Sectional Meeting #1139. Co-organizer: Florian Frick
- 2016-2018 Putnam Mathematical competition training and supervision, Northeastern University.
- 2017b “Pick my brain” Seminar organizer. Northeastern University. Co-organizers: Ivan Martino, Robin Walters
- 2017c Mathematical Research Communities Workshop “Beyond Planarity: Crossing numbers of Graphs” Assistant. Snowbird, Utah, USA.
- 2007-2011 Organizing committee of the Mexican Mathematical Olympiad.

References

Imre Bárány - University College London, Rényi Institute
Keith Ball - Warwick University
Alexander Barvinok - University of Michigan