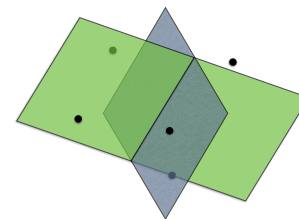


Pablo Soberón

Department of Mathematics
Baruch College
City University of New York
One Bernard Baruch Way
New York NY, 10010
U.S.A.

Department of Mathematics
The Graduate Center
City University of New York
365 Fifth Avenue
New York NY, 10016
U.S.A.



Email: pablo.soberon-bravo@baruch.cuny.edu

Webpage: <http://www.psoberon.com>

Languages: Spanish, French, English

Academic positions

- 2021-present Assistant Professor. The Graduate Center, City University of New York.
- 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 on discrete geometry and topological combinatorics.

Grants

External

- 2023-2028 NSF DMS CAREER Grant 2237324. *CAREER: Discrete Geometry at the crossroads of Combinatorics and Topology*
Principal Investigator(s): Pablo Soberón
- 2021-2024 NSF DMS Grant 2054419. *Topology and Linear Algebra in Discrete Geometry.*
Principal Investigator(s): Pablo Soberón
- 2021-2024 NSF REU site Grant 2051026. *REU Site: New York City Discrete Mathematics REU.*
Principal Investigator(s): Adam Sheffer. Co-PI: Pablo Soberón
- 2018-2021 NSF DMS Grant 1851420. *Combinatorial Properties of Convex Sets and Measures in Euclidean spaces*
Principal Investigator(s): Pablo Soberón.
- 2019-2022 National Researcher Level 1 - CONACyT (Mexico)
Sistema Nacional de Investigadores, Nivel 1.

Internal

- 2021-2022 PSC CUNY research award, type B. cycle 52
Principal Investigator(s): Pablo Soberón
- 2020-2021 PSC CUNY research award, type B. cycle 51
Principal Investigator(s): Pablo Soberón

2019-2020 PSC CUNY research award, type B. cycle 50
Principal Investigator(s): Pablo Soberón

Research papers and manuscripts

Google Scholar: <https://scholar.google.com/citations?user=fp1YFEwAAAAJ>

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.

2022 Connor Donovan (*), Danielle Paulson (*)
2021 Ilani Axelrod-Freed (*), João Pedro Carvalho (*), Michael N. Manta (*), Yuki Takahashi (*)
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

Selected additional activities

2022 Special session organizer. “Discrete and Convex Geometry” at the AMS Spring Eastern Virtual Sectional Meeting (Meeting #1176).co-organizer: Egon Schulte.
2022-2025 Associate editor for USA(J)MO
2021 Conference Organizer. “celebrating the 70th birthday of Luis Montejano”, virtual conference.
2020 Coach for the Panama Mathematical Olympiad international teams. Panama City, Panama.
2019-present Co-organizer of Baruch College Combinatorics REU. Co-organizers: A. Sheffer
2019-present Putnam Mathematical competition training and supervision, Baruch College.
2018 Special session organizer. AMS Spring Eastern Sectional Meeting #1139. Co-organizer: Florian Frick
2016-2018 Putnam Mathematical competition training and supervision, Northeastern University.
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

Jesús de Loera - University of California Davis
Egon Schulte - Northeastern University