

CRISTIAN SOTO
Ph.D. Phil, Philosopher of Science

Curriculum Vitae
(May 2026)

[Personal academic website](#)

[Universidad de Chile academic website](#)

[LSE Newton International Fellowship Project](#)

[ORCID](#)

[Google Scholar](#)

[PhilPeople](#)

Chair (2025-2026) & Associate Professor

Departamento de Filosofía
Universidad de Chile.
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***Research Associate, CPNSS, LSE, UK,
Newton International Fellow & Alumnus
(2022-2026)***

British Academy, CPNSS, LSE
Lakatos Building, Houghton St., London
WC2A 2AE, UK
E-mail: C.Soto1@lse.ac.uk

Academic Appointments

2021-	Associate Professor, Universidad de Chile, Chile
2022-2026	Research Associate, CPNSS, LSE, UK; & Newton International Fellow & Alumnus, British Academy, UK
2016-2020	Assistant Professor, Universidad de Chile
2008-2015	Philosophy Instructor, Universidad de Chile

Education

2016	Ph.D. in Philosophy. University of Melbourne, Australia, April 2016. Dissertation: “Minimalist Approaches to the Metaphysics of Science” Committee: Howard Sankey (Chair), Dana Goswick, Stathis Psillos, and James Ladyman.
2008	MA in Philosophy, Universidad de Chile, March 2008.
2005	BA in Philosophy. Universidad de Chile, April 2005.

Research Interests

Areas of specialization History and philosophy of science (early modern natural philosophy), philosophy of science, and metaphysics, with emphasis on laws of nature, metaphysics of science, empiricism, scientific realism, scientific pluralism

Areas of competence Classical pragmatism; early modern philosophy; analytic philosophy

Visiting Appointments

(month/year; month-month/year; year-year)

2/2026 Nucleo de Epistemologia e Logica, UFSC, Brazil

6-7/2025 CPNSS, LSE, UK

2022-2024 CPNSS, LSE, UK

4/2023 Dipartimento di Filosofia, Universita Degli Studi Roma III, April 2023

5-6/2022 Logos Research Group in Analytic Philosophy, Universitat de Barcelona, Spain

12/2021 – 4/2022 CPNSS, LSE, UK.

8-12/2020 Centre for Philosophy of Science, University of Pittsburgh, U.S.A. (cancelled due to the pandemic)

1-3/2019 Department of Philosophy, University of Miami, U.S.A.

6/2018 Munich Centre for Mathematical Philosophy, LMU, Germany.

4-6/2018 CPNSS, LSE, UK.

9-10/2017 Department of Philosophy, University of Miami, U.S.A.

Awards

11/2021 Newton International Fellowship, British Academy of Humanities, UK

10/2018 Early-academic-career research excellence award, granted by the Vice-Chancellorship, Universidad de Chile.

Research Grants

- 4/2025 – FONDECYT Regular 1251294, ANID, Governmental funded research grant.
3/2029 Lead researcher. “Modality, models and laws: The modal modelling approach in the philosophy of science”
- 4/2021 – FONDECYT Regular 1210570, ANID. Governmental funded research grant.
3/2025 Lead researcher. “The effectiveness of mathematics: the case of physical laws”
- 7/2022 – Newton International Fellowship, British Academy, UK. Lead researcher.
6/2024 Supervisor: Roman Frigg, LSE, UK.
- 5-6/2022 Movilidad Internacional Académica, Banco Santander, Spain, 2021-2022/2023:
“Leyes de la naturaleza: abstracción e idealización”. Lead researcher.
Supervisor: Carl Hofer, Universitat de Barcelona, Spain.
- 8/2020 – Enlace FONDECYT, VID, Universidad de Chile: “Physical laws and the
12/2023 effectiveness of mathematics”.
- 11/2016 – FONDECYT de Iniciación 11160324, ANID. Governmental funded research
10/2019 grant. Lead researcher. Title: “The physico-mathematical structure of scientific laws: On the contribution of mathematics, models, measurements and metaphysics to the construction of laws in physics”.
- 7/2019 UCH 1566, International Academics. Invited academic: Stathis Psillos (Department of Philosophy and History of Science, University of Athens, Greece): *Masterclass Seminar on Metaphysics and Scientific Realism*, Universidad de Chile.
- 1-2/2019 Grant for Academic Research Abroad, PEEI-2014, Universidad de Chile. "The Inferential Account of Scientific Laws". Destination: Department of Philosophy, University of Miami, U.S.A.
- 9/2016 Conference Travell Grant, Universidad de Chile. "The Epistemic Indispensability Argument", X AFHIC (Latin American Association for HPS) Conference, Aguas de Lindoia, Sao Paulo, Brazil.
- 12/2011 – CONICYT, Governmental Funded Ph.D. Scholarship, No. 72111270. Title:
12/2015 “Minimalist Approaches to the Metaphysics of Science”, Graduate School of Humanities and Social Sciences, University of Melbourne, Australia.
- 2009-2010 FONDECYT Regular 1095020, CONICYT. Governmental Funded Research Grant. Co-investigator. Title: “Razonamiento Basado en Modelos (RBM) y Generación de Hipótesis: Un enfoque cognitivo en filosofía de las ciencias a partir de Ronald Giere”.
- 2006-2007 FONDECYT Regular 105607, CONICYT. Governmental Funded Research Grant, No. 1050607. Thesis student. “Estructura y posibilidad de una lógica del descubrimiento en la filosofía de la ciencia contemporánea: Un análisis a partir de Hanson y Peirce”.

Publications: Books

- 2024 *Ensayos sobre Realismo y Estructuralismo Científicos*. Editorial Comares, Granada, España. Bruno Borge & Cristián Soto [[Link](#)]
- 2024 *Leyes de la Naturaleza: Historia, Filosofía y Ciencias*. Editorial Tecnos, Madrid, Spain. Cristián Soto, author. [[Link](#)]
- 2023 *Current Debates in the Philosophy of Science: In Honor of Roberto Torretti*, Cristian Soto, editor. Synthese Library Series (Dordrecht, Springer). [[Link](#)]

Publications: Articles and Book Chapters (the latter signalled with *)

- 2026 “Modalist empiricism and physical laws”, *Análisis Filosófico*, first online 8with Otávio Bueno) [[Link](#)]
- 2025 “Revisitando el desafío de Chakravartty: DEKI y los inobservables del realismo científico”, *Ideas y Valores*, 74(189): 89-114. (With Bruno Borge) [[Link](#)]
- 2024 “Editorial”, *Revista de Filosofía*, 81: 5-7 (with Rosario Fernández). [[Link](#)]
- 2023 "Reconstruyendo la concepción newtoniana de las leyes de la naturaleza", *Revista de Humanidades de Valparaíso*, 23: 309-330. [[Link](#)]
- 2023 "Realismo selectivo: Tres estrategias y nuevos desafíos", *Revista Instante - UEPB*, 5(2): 143-174. [[Link](#)]
- 2023 “Descartes y la emergencia de las leyes de la naturaleza: una carta de viaje para el debate actual”, *Disertatio: Boletín de Investigación Filosófica (First Online [[Link](#)])*.
- 2023* “Roberto Torretti’s philosophy of science”, *Current Debates in Philosophy of Science: In Honor of Roberto Torretti*, Cristian Soto editor (Dordrecht, Springer). [[Link](#)]
- 2023* “Editor’s Introduction: Celebrating Roberto Torretti”, *Current Debates in Philosophy of Science: in Honor of Roberto Torretti*, Cristian Soto editor (Dordrecht, Springer). [[Link](#)]
- 2022 "El disposicionalismo nomológico y sus problemas: redundancia, experimentalismo y modalidad nómica" *Revista de Humanidades de Valparaíso*, 20: 251-270, 2022. [[Link](#)]
- 2021 "Humeanismo y leyes de la naturaleza: alcance y límites", *Revista de Humanidades de Valparaíso*, 17: 145-167 [[Link](#)]
- 2020 “Local selective realism: shifting from classical to quantum electrodynamics”, *Foundations of Science*, 25(4): 955-970 (with D. Romero). [[Link](#)]
- 2020 “Some morals from the physico-mathematical character of scientific laws”, *Transformacao: Revista de Filosofia*, 43(4): 65-88. [[Link](#)]
- 2020 “Wigner, las leyes físicas y la efectividad de las matemáticas”, *Revista Colombiana de Filosofía de las Ciencias*, 20(40): 93-127. [[Link](#)]

- 2019 “A framework for an inferential conception of physical laws”, *Principia: An International Journal of Epistemology* 23(3): 423-444. (With Otávio Bueno.) [\[Link\]](#)
- 2019 “Capacidades y leyes fenomenológicas: el disposicionalismo experimental”, *Revista de Filosofía*, 76: 185-201. (With Pascal Rodríguez.) [\[Link\]](#)
- 2019 “Sobre el colapso de las estructuras matemáticas y físicas en el realismo estructural óntico”, *Kriterion: Revista de Filosofía*, 60(143): 279-295. [\[Link\]](#)
- 2019 “The epistemic indispensability argument”, *Journal for General Philosophy of Science*, 50:145-161. [\[Link\]](#)
- 2018 “A proposal for a coherent ontology of fundamental entities”, *Foundations of Science*, 23:705-717 (with D. Romero and F. Benítez.) [\[Link\]](#)
- 2018 “Argumento de la indispensabilidad epistémica e inferencia a la mejor explicación: una aproximación epistémica”, *Revista Colombiana de Filosofía de las Ciencias*, 18 (36): 19-39. [\[Link\]](#)
- 2017 “Globally and locally applied naturalistic metaphysics”, *Manuscrito: An international Journal of Philosophy*, 40(3): 33-50. [\[Link\]](#)
- 2017 “¿Qué es la metafísica de la ciencia?”, *Discusiones Filosóficas*, 31: 87-105. [\[Link\]](#)
- 2015 “The current state of the metaphysics of science debate”, *Philosophica*, 90: 23-60. [\[Link\]](#)
- 2015 “Una evaluación del realismo científico de Peirce a 100 años de su muerte”, *Cuadernos de Filosofía Latinoamericana*, 35(111): 33-58. [\[Link\]](#)
- 2011 “Peirce, la abducción y el problema del descubrimiento en filosofía de la ciencia”. *Cadernos UFS de Filosofía*, 7(XIII/ 9): 95-111. [\[Link\]](#)
- 2010 ‘Teoría de la verdad evolucionaria en Peirce’, *Crítica: Revista Hispanoamericana de Filosofía*. 42(126): 25-44. [\[Link\]](#)
- 2009 “Pragmatismo y realismo científico en Peirce”, *Cuadernos de Filosofía*, 27: 23-45. [\[Link\]](#)
- 2007 “La imaginación en la formación de la Crítica de la razón pura”, *Alcances*, II(2): 47-66. [\[Link\]](#)
- 2006 “Abducción como inferencia y como intuición en Peirce”, *Grupo de Estudios Peirceanos*, Universidad de Navarra, España, 1-15. [\[Link\]](#)
- 2006 “Naturalismo, ontología y productividad del pensamiento. Discusión de las Variaciones de Fodor sobre Hume”, *Methodus: Revista Internacional de Filosofía Moderna*, N°1: 109-121. [\[Link\]](#)
- 2006 “Teoría kantiana de la actividad mental. Algunos problemas desde las ciencias cognitivas”, *Revista de Filosofía*, Vol. LXII, 41-58. [\[Link\]](#)

- 2005 “Peirce. Abducción *sive* lógica *sive* ontología”, *Grupo de Estudios Peirceanos*, Universidad de Navarra, España, 1-40. [[Link](#)]
- 2004 “La lógica del descubrimiento de N. R. Hanson”, *Publicaciones Especiales*, Universidad de Chile, 36(108):1-87.
- 2004 “Kant-Hume: dos gnoseologías de la imaginación”, *Publicaciones Especiales*, Universidad de Chile, Número Especial, 111-145.
- 2004 “Para una reiteración de los estudios kantianos”, *Publicaciones Especiales*, Universidad de Chile, Número Especial, 3-10.
- 2004 “La pregunta de Kant: ¿qué es el hombre?”, *Anuario de Pregrado*, N°1, Facultad de Filosofía y Humanidades, Universidad de Chile, 131-148.

Publications: Book Reviews

- 2022 Roman Frigg and James Nguyen, *Modelling Nature: An Opinionated Introduction to Scientific Representation*, Synthese Library Series: Studies in Epistemology, Logic, Methodology, and Philosophy of Science, Springer, 2020, xvi + 241 pp. *Revista Latinoamericana de Filosofía*. [[Link](#)]
- 2022 Alejandro Cassini and Juan Redmond, editors, *Models and Idealizations in Science: Artfactual and Fictional Approaches*, Logic, Epistemology, and the Unity of Science Series, Springer, 2021, xv + 270 pp. *Revista Latinoamericana de Filosofía*. [[Link](#)]
- 2019 “An apt celebration of Agassi’s career”, *Metascience: An International Journal for the History, Philosophy, and Social Studies of Science*. Review of Nimrod Bar-Am and Stefano Gattei, *Encouraging Openness: Essays in Honor of Joseph Agassi on Occasion of His 90th Birthday*. Springer, Netherlands, 2017. [[Link](#)]
- 2017 “Taking stock of the metaphysics of science debate: drawing disciplinary frontiers”, *Metascience: An International Journal for the History, Philosophy and Social Studies of Science*, 26 (2): 256-261. Essay review of Markus Schrenk, *Metaphysics of Science: A Systematic and Historical Introduction*. Routledge, London-New York, 2016. [[Link](#)]
- 2015 “Metaphysics, laws, and natural kinds: minimalist approaches”, *Metascience: An International Review Journal for the History, Philosophy and Social Studies of Science*. Essay review of Stephen Mumford and Matthew Tugby editors, *Metaphysics and Science*, Oxford University Press, Oxford, 2013. [[Link](#)]
- 2014 Review of Mark Colyvan, 2012, *An introduction to the philosophy of mathematics*, *Critica: Revista Hispanoamericana de Filosofía*, Vol. 46, No 138: 93-102. [[Link](#)]
- 2014 “The aim and scope of scientific metaphysics”, *Metascience: An International Journal for the History, Philosophy and Social Studies of Science*, 23: 173-123. Essay review of Don Ross, James Ladyman and Harold Kincaid editors, *Scientific Metaphysics*, Oxford University Press, Oxford, 2012. [[Link](#)]

- 2013 “Looking for a realist metaphysics of science”, *Metascience: An International Journal for the History, Philosophy and Social Studies of Science*, 22: 289-292. Essay review of Alexander Bird, Brian Ellis and Howard Sankey editors, *Properties, Powers and Structures: Issues in the Metaphysics of Realism*, Routledge, London-New York, 2012. [[Link](#)]
- 2008 Sergio Rojas, *El problema de la historia en la filosofía crítica de Kant*, *Revista de Filosofía*, Vol. 66: 269-272. [[Link](#)]
- 2008 Charles S. Peirce, *La lógica considerada como semiótica*, *Revista de Filosofía*, Vol. 64: 261-264. [[Link](#)]
- 2008 Paul Guyer, *Knowledge, Reason, and Taste: Kant’s Response to Hume*, *Methodus: Revista Internacional de Filosofía Moderna*, No 3: 112-116.
- 2007 Lex Newman, Ed., *Cambridge Companion to Locke’s Essay Concerning Human Understanding*, *Methodus: Revista Internacional de Filosofía Moderna*, N°2: 110-113.
- 2006 Ricardo Salas et al, Kant y la racionalidad práctica, *Revista de Filosofía*, N°62: 177-180. [[Link](#)]
- 2006 Alejandro Ramírez, La transformación de la epistemología contemporánea, *Revista de Filosofía*, No 62: 173-177. [[Link](#)]

Publications: Other Contributions

- 2022 “Los mundos del conocimiento de Roberto Torretti”, *Revista Palabra Pública*. [[Link](#)]
- 2011 “Dostoyevski: realismo metafísico, misticismo y espíritu karamazoviano”. *Tábano*, year 2011, 1-33. [[Link](#)]
- 2010 “Pascal lector de Montaigne”. *Tábano*, 2010, 1-11. [[Link](#)]
- 2007 ‘Esquema para un ensayo naturalista y popular sobre la metafísica y el hombre (sobre Kant y Dilthey)’. *Tábano*, año 2007, 1-4. [[Link](#)]

Work in Progress: Books

- Under contract *Laws of nature and the effectiveness of mathematics*. With Otávio Bueno, Cambridge Elements Series, Cambridge University Press. Expected submission date: September 2026)
- Under contract *Essays in the philosophy of physics, chemistry, and the metaphysics of science: In honour of Olimpia Lombardi*. Edited volume, with Bruno Borge, J. C. Martínez, Cristian López, *Synthese Library Series*, Springer.

- Under contract *Against the grain: Developing the prospects of non-naturalistic metaphysics of science*, Topical Collection, *Synthese: An International Journal for Epistemology, Methodology, and Philosophy of Science*.
- Early stage *Filosofía, institución y memoria*. Edited volume, with Antonieta Vera and Carlos Ruiz. No book contract yet.

Work in Progress: Articles

- Last stage “Nomic eliminativism: ether and laws”
- Last stage “DEKI on modal modelling”
- Last stage “Modalist empiricism on laws and structure”
- Last stage “Newton’s unfinished metaphysics of laws of nature”
- Early stage “Philosophy of science in Latin America” (entry for Stanford Encyclopaedia of Philosophy)
- Early stage “Metafísica de las ciencias” (entry for Sociedad Española de Filosofía Analítica)
- Early stage “Pluralism and the metaphysics of science”
- Early stage “Wigner on physical laws and the effectiveness of mathematics”
- Early stage “Pragmatismo y pluralismo en la filosofía de las ciencias de Roberto Torretti”
- Early stage “Lombardian pluralism in the philosophy of science”

Talks (since 2011)

- 2026 ‘Nomic eliminativism: Writing the last chapter of the laws of nature biography’, invited keynote address at the 1st International Congress of the Chilean Society for the Philosophy of Science. Valparaíso, Chile, 14-16 January 2026.
- 2026 ‘Whose orthodoxy? Philosophy, science, and democracy’, talk at the Book Symposium *Science and Humanism: Knowledge, Values, and the Common Good* (Anjan Chakravartty editor, Cambridge University Press, 2025). 1st International Congress of the Chilean Society for the Philosophy of Science. Valparaíso, Chile, 14-16 January 2026.
- 2025 ‘Sobre el rol de la historia de la filosofía en la práctica filosófica’, invited keynote address, Congreso Interuniversitario de Filosofía, Universidad Diego Portales, Universidad de Chile, Universidad Alberto Hurtado. Santiago, Chile, 7-9 May 2025.
- 2025 ‘Pluralism and the metaphysics of science’, Workshop on Metaphysics of Science, Universidad de Chile. 29-30 April 2025.

- 2025 Three-day seminar: 'Metafísica de las Ciencias: Naturalismo, Empirismo, Pluralism', for *Episteme: Filosofía y Ciencias*, Departamento de Filosofía, Universidad del Valle, Cali, Colombia. 12-14 March 2025.
- First session: Naturalism in the metaphysics of science.
 Second session: Laws of nature and the metaphysics of science.
 Third session: Modality and laws of nature.
 Fourth session: Structure of reality and laws of nature.
 Fifth session: Pluralism and the metaphysics of science.
 Sixth session: A case study: nomic eliminativism.
- 2024 'Newton y las leyes de la naturaleza', III Jornadas CEFILOE en Filosofía de las Ciencias y la Tecnología, Universidad de Valparaíso, Chile, 28 June 2024.
- 2024 'Newton's unfinished metaphysics of laws of nature', Seminarios del Departamento de Física, Facultad de Ciencias Físicas y Matemáticas de la Universidad de Chile, Chile, 31 May 2024.
- 2024 'Newton y la metafísica de las leyes de la naturaleza', Seminario de Metafísica, USACH, Chile, 9 May 2024.
- 2023 'Mathematics, structures, and laws', Jornadas de Fundamentos, Historia y Filosofía de la Física, Buenos Aires, Argentina, 30 Oct. – 1 Nov. 2023.
- 2023 'Physical laws, modality, and empiricism', *11th European Congress for Analytic Philosophy*, University of Vienna, Austria, 21-25 August 2023.
- 2023 'Physical laws, modality, and empiricism', *Inductive Metaphysics Conference: Insights, Challenges, and Prospects*, Heinrich-Heine-Universität, Düsseldorf, Germany, 9-11 August 2023.
- 2023 'Physical modality for physical laws', From Science to Metaphysics? 4th Workshop of the OLOFOS Group, UC Louvain-La-Neuve, Belgium, 11-12 May 2023.
- 2022 'Nomic eliminativism: writing the last chapter of the laws of nature', Hi-Phi International Conference, CIHUT – FCT, University of Lisbon, Portugal, 23-24 June 2022.
- 2022 'Physical modality for physical laws', Logos Research Group in Analytic Philosophy, Universitat de Barcelona, Spain, 16 June 2022.
- 2022 'Physical modality for physical laws', Metaphysics of Science Seminar, KU Leuven, Belgium, 11 March 2022.
- 2022 'Revisiting nomological eliminativism', Lunchtime Meetings, Centre for the Philosophy of Natural and Social Sciences, LSE, UK. 02 February 2022.
- 2021 'Leyes físicas y la estructura de la realidad', XXI Jornadas Rolando Chuaqui Kettlun, USACH, Chile, 20-22 October 2021.
- 2021 'Modalidad física y leyes físicas', VII Congreso Asociación Chilena de Filosofía, Chile, 4-8 October 2021.

- 2021 'Objetividad y valores en ciencia y tecnología', keynote address at the VI Debate Interescolar USACH, Chile, 27 September 2021.
- 2021 'Eliminativismo nomológico', Segundas Jornadas de Fundamentos, Filosofía e Historia de la Física, Universidad de Buenos Aires, Argentina, 10, 13 and 14 September 2021.
- 2021 'Leyes de la naturaleza y la estructura de la realidad', Tertulias Filosóficas sobre Fundamentos de la Ciencia, Instituto de Ingeniería Matemática e Instituto de Filosofía, Universidad de Valparaíso, Chile, 11 June 2021.
- 2021 'Leyes de la naturaleza y la estructura de la realidad', Conversatorios Internacionales del Posgrado de FCyL, Universidad Autónoma de México, México, 17, 19 and 24 May 2021.
- 2020 'Physical laws and modality', Seminario de Metafísica y Filosofía Teórica, Universidad Adolfo Ibáñez, Chile, 25 November 2020
- 2020 'Leyes de la naturaleza', Coloquio Realismo Científico y Leyes de la Naturaleza, Universidad El Bosque, Caldas, Colombia, 6 November 2020
- 2020 'Filosofía de las ciencias, valores y políticas públicas', Filosofía, Ciencia y Pandemia, Universidad Católica del Maule, Chile, 13 August 2020
- 2019 'Pluralismo científico, pluralismo metafísico (segunda parte)', Congreso de la Asociación Chilena de Filosofía, Universidad de la Frontera, Chile, 22-25 November 2019.
- 2019 'Pluralismo científico, pluralismo metafísico (primera parte)', Workshop Metafísica: Debates Recientes, Facultad de Filosofía y Humanidades, Universidad de Chile, 11 November 2019.
- 2019 'Mathematics, laws and modality', Workshop Current Debates in the Philosophy of Science, Facultad de Filosofía y Humanidades, Universidad de Chile, 2-4 October 2019.
- 2019 'An inferential conception of physical laws', XX Jornadas Rolando Chuaqui en Filosofía y Ciencias, PUC de Chile, 27-30 August 2019.
- 2019 'An inferential conception of physical laws', XI Principia Conference, UFSC, Brazil, 19-22 August 2019.
- 2018 'On the Interaction between Physics and Metaphysics', *First Chilean Conference of Philosophy of Physics*, Instituto de Filosofía, PUC de Valparaíso, Chile, 28-30 November 2018.
- 2018 'Sobre la interacción entre física y metafísica', *VI Encuentro Círculo de Filosofía de la Naturaleza*, Universidad Austral, Chile, 21-23 November 2018.
- 2018 'Debates recientes en filosofía de las matemáticas: ontología, indispensabilidad y aplicabilidad', *Seminario de Epistemología del Instituto de Matemáticas*, PUC de Valparaíso, Chile, 14 November 2018.

- 2018 'Local selective realism: shifting from classical to quantum electrodynamics', *Philosophy of Science Association Conference*, Seattle, U.S.A., 1-4 November 2018 (with Diego Romero-Maltrana – not delivered)
- 2018 'The inferential conception of physical laws', *Workshop on Foundations of Science*, SADAFA, Buenos Aires, Argentina, 3-4 September 2018.
- 2018 'Physical laws and the application of mathematics', *Workshop Current Debates in Philosophy of Science: Mathematics, Models and Laws*, Universidad de Chile, 27-28 August 2018.
- 2018 'Roundtable on mathematical and physical structures', with Otávio Bueno (University of Miami, U.S.A.) and Roman Frigg (LSE, England), *XIX Jornadas de Filosofía de las Ciencias Rolando Chuaqui Kettlun*, Universidad de Concepción, Chile, 31 August 2018.
- 2018 'Metafísica de la ciencia: el caso de las leyes de la naturaleza', *Coloquios del Instituto de Física*, PUC de Valparaíso, Chile, 22 August 2018.
- 2018 'The inferential conception and the distinction between mathematical and physical structures', *British Society for the Philosophy of Science Conference*, Oxford University, United Kingdom, 4-6 July 2018.
- 2018 'On the distinction between mathematical and physical structures', *Centre for the Philosophy of Natural and Social Sciences*, London School of Economics, England, 5 June 2018.
- 2017 'El argumento de la indispensabilidad epistémica en filosofía de la matemática', *Seminarios de Filosofía de la Ciencia*, IFICC, Chile, 16 November 2017.
- 2017 'Metafísica de la ciencia: aplicaciones globales y locales', *Coloquio de Filosofía*, Departamento de Filosofía, Universidad de Santiago de Chile, Chile, 7 noviembre 2017.
- 2017 'The epistemic indispensability argument', *Philosophy Colloquia*, Department of Philosophy, University of Miami, USA, 20 October 2017.
- 2017 'Laws explain their instances: a reply to Jaag', *Third Conference of the Society for the Metaphysics of Science*, Fordham University, New York, USA, 5-7 October 2017.
- 2017 Panel discussion with Otavio Bueno and Anjan Chakravartty: 'Semirealism, structural empiricism, and the future of an age-old debate', *XVIII Jornadas en Filosofía de las Ciencias Rolando Chuaqui Kettlun*, Facultad de Humanidades, Universidad de Valparaíso, Chile, 23 – 25 October 2017.
- 2017 'Sobre la estructura físico-matemática de las leyes científicas', *XVIII Jornadas en Filosofía de las Ciencias Rolando Chuaqui Kettlun*, Facultad de Humanidades, Universidad de Valparaíso, Chile, 23 – 25 October 2017.
- 2016 'La Metáfora del Museo y la Historia de la Filosofía', *Grupo de Estudios de Filosofía Analítica, Tercera Jornada: Filosofía e Historia de la Filosofía*, 13 octubre 2016.

- 2016 'Epistemic Mathematical Realism', *X Encontro AFHIC, Asociación de Filosofía e Historia de la Ciencia del Cono Sur*, Aguas de Lindoia, Sao Paulo, 12-15 septiembre 2016.
- 2016 'Realismo selectivo retrospectivo: Una interpretación minimalista de la transición desde la electrodinámica clásica a la electrodinámica cuántica', *XVII Jornadas Rolando Chuaqui Kettlun*, Facultad de Filosofía y Humanidades, Universidad de Chile, 24-26 agosto 2016.
- 2015 'Minimalism and selective realism: shifting from Fresnel's to Maxwell's theories of light', *Australasian Association for the History and the Philosophy of Science Conference*, University of Melbourne, Australia, November 4-6, 2015.
- 2015 'A physico-mathematical account of scientific laws', *History and Philosophy of Science Seminar Series*, University of Melbourne, Australia September 2015.
- 2015 'A minimalist approach to scientific laws', *Work in Progress Day*, University of Melbourne, Australia, June 2015.
- 2015 'Who needs mathematical ontology?', *Postgraduate Philosophy Colloquium*, University of Melbourne, Australia, April 2015.
- 2014 'Epistemic mathematical realism: a minimalist reading of indispensability arguments', *Work in Progress Day*, University of Melbourne, Australia, October 2014.
- 2014 'The role of models in scientific thinking', *History and Philosophy of Science Seminar Series*, University of Melbourne, Australia, September 2014.
- 2014 'Saving the realist stance', *Postgraduate Philosophy Colloquium*, University of Melbourne, Australia, May 2014.
- 2013 'Mathematics and metaphysics on the boundaries of scientific ontology', *Postgraduate Philosophy Colloquium*, University of Melbourne, Australia, October 2013.
- 2013 'A structural realist approach to laws of nature', *Australasian Postgraduate Philosophy Conference*, University of Melbourne, Australia, October 2013.
- 2013 'Jack Smart's scientific realism: on common sense and scientism', *Australasian Association of Philosophy Conference*, University of Queensland, Australia, July 2013.
- 2013 'Scientific metaphysics once again', *Postgraduate Philosophy Colloquium*, University of Melbourne, Australia, June 2013.
- 2013 'What is the new metaphysics of science?', *Association of History and Philosophy of Science Students Conference*, History and Philosophy of Science Program, University of Melbourne, Australia, February 2013.
- 2012 'What is the new metaphysics of science?', *Postgraduate Philosophy Colloquium*, University of Melbourne, Australia, November 2012.

- 2012 'A critique of the philosophy of laws of nature - or abductive scientific realism meets mathematical realism', *History and Philosophy of Science Seminar Series*, University of Melbourne, Australia, September 2012.
- 2012 'What is abductive scientific realism', *Postgraduate Philosophy Colloquium*, University of Melbourne, Australia, August 2012.
- 2012 'A New Metaphysics of Science for the Laws of Nature', *Australasian Association of Philosophy Conferences*, University of Wollongong, New South Wales, Australia, July 2012.
- 2011 'Hume: a los 300 años de su nacimiento', *V Jornadas de Filosofía Moderna*, Universidad Diego Portales, Santiago, Chile, May 2011.

Teaching

These are among the subjects I teach at the Departamento de Filosofía, Universidad de Chile (in Spanish):

- | | |
|------------------------|---|
| Graduate teaching | <ul style="list-style-type: none"> • Laws of nature and the effectiveness of mathematics • Laws of nature: science and metaphysics • Scientific pluralism • Science, metaphysics, and reality |
| Undergraduate teaching | <ul style="list-style-type: none"> • Thesis seminar on philosophy of science & metaphysics • Scientific revolution (early modern HPS) • Scientific realism • Metaphysics of science • Laws of nature • Scientific pluralism: values in science • Metaphysics |

Service

- 2025 -2026 Chair/Director, Departamento de Filosofía, Universidad de Chile
- 9/2022- present Member of the Graduate Humanities Committee, Comisión Nacional de Acreditación, Government of Chile.
- 3/2017-present Director, Research Group in Philosophy of Science, Universidad de Chile
- 7/2024 – 12/2026 Member, Directory, for the Latin American Society for the History and Philosophy of Science – Asociación de Filosofía e Historia de las Ciencias del Cono Sur, AFHIC
- 7/2024 – 6/2026 Member of the scientific committee for the Chilean Society for the Philosophy of Science
- 2024 Director, *Revista de Filosofía*, Universidad de Chile

- 12/2018-11/2021 Director, MA in Philosophy Program, Graduate School, Universidad de Chile
- 9/2016-6/2020 President of the Chilean Society for Philosophy of Science. Website: www.sochific.cl
- 7/2019-12/2020 Member of the Scientific Committee for the Latin American Association for HPS (AFHIC)
- 9/2016-11/2018 Member of the Academic Committee, MA in Philosophy Program, Graduate School, Universidad de Chile
- 3/2019-12/2019 Member of the Academic Committee, BA in Philosophy Program, Universidad de Chile.
- 10/2018-2022 Referee for *Comisión Nacional de Acreditación*, Ministry of Education, Chile

Journal referee:

Cuadernos de Filosofía (2022-)
Discusiones Filosóficas (2019-)
Foundations of Science (2021-)
Foundations of Physics (2022-)
Ideas y Valores (2020-)
Journal for General Philosophy of Science (2020-)
Kriterion (2020-)
Límites: Revista de Psicología y Filosofía (2018-)
Manuscrito (2021-)
Philosophy Compass (2019-)
Principia (2019-2022)
Revista Colombiana de Filosofía de las Ciencias (2021-)
Revista de Filosofía (Madrid, España) (2022-)
Revista de Filosofía (Santiago, Chile) (2018-)
Revista de Humanidades de Valparaíso (2021-)
Synthese (2018-)
Synthese Library Series (2019-)
Theoria. Int. (2020.)

Outreach: organization of academic activities

- 13/01/2026 **6th Workshop on Philosophy of Science: Models and Modality.** Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 10/12/2025 La Filosofía ante el Cruce entre Ciencia y Democracia. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 14/11/2025 **5th Workshop on Philosophy of Science: Celebrating Jeremy Butterfield.** Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.

- 8-11/2025 Reading Group on Philosophy of Social Sciences, Models and Modality. Grupo de Estudios de Filosofía de las Ciencias, Universidad de Chile.
- 29-30/4/2025 Workshop on Metaphysics of Science, & Book Launch *Leyes de la Naturaleza: Historia, Filosofía y Ciencias*. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 20-22/01/2025 4th Workshop on Philosophy of Science: Models, Representations, and Modality. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 09/01/2025 Seminar on Science, Values and Society. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 14/11/2024 Workshop sobre Filosofía y Física. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 06/08/2024 Seminar on Philosophy and the Sciences: Models and Explanation. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 3-6/2024 Reading Group on Scientific Pluralism: Politics, Epistemology, and Metaphysics of Science. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 9-10/11/2023 **3rd Workshop on Philosophy of Science: In honour of Roberto Torretti**. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 8-11/2023 Reading Group on Laws of Nature, Structure of Reality, and Effectiveness of Mathematics. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 11-12/2022 Reading Group on Political Philosophy of Science: Values, Pluralism, and Society. With Nicolás Rojas. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile.
- 4-6/2020 Reading Group on Scientific Pluralism, Grupo de Estudios de Filosofía de las Ciencias, Universidad de Chile.
- 4-6/2020 Reading Group on Metaphysics of Science, Grupo de Estudios de Filosofía de las Ciencias, Universidad de Chile.
- 2-3, 11/2019 *Workshop on Explanation in Science and Metaphysics*, Facultad de Filosofía y Humanidades, Universidad de Chile. Invited speaker: Juha Saatsi, University of Leeds, England (cancelled due to Chilean national strikes)
- 11, 10/2019 *Workshop Metafísica: Debates Recientes*. Invited speakers: José Tomás Alvarado, PUC de Chile, Chile; Sebastián Briceño, Universidad de Concepción, Chile; and Carlo Rossi, Universidad Adolfo Ibáñez, Chile.
- 4, 10/2019 *Workshop on Non-Causal Explanation in Science, Mathematics, and Metaphysics*, Universidad de Santiago de Chile, Chile. Invited speakers: Otávio Bueno, University of Miami, U.S.A.; Anjan Chakravartty, University of Miami, U.S.A.; and Bruno Broge, Universidad de Buenos Aires, Argentina.
- 1-3, 10/2019 **2nd Workshop on Philosophy of Science: Science and Metaphysics**. Grupo de Estudios de Filosofía de las Ciencias de la Universidad de Chile. Invited

speakers: Otávio Bueno, University of Miami, U.S.A.; Anjan Chakravartty, University of Miami, U.S.A.; Bruno Borge, Universidad de Buenos Aires, Argentina; Pablo Acuña, PUC de Chile, Chile; Aldo Filomeno, PUC de Valparaíso, Chile; Diego Romero, PUC de Valparaíso, Chile.

- 1-15,
7/2019 *Masterclass on TBA*, with Stathis Psillos (Department of History and Philosophy of Science, University of Athens, Greece), Escuela de Posgrado, Facultad de Filosofía y Humanidades, Universidad de Chile (cancelled due to extraordinary reasons).
- 4-11/2019 *Reading group on Roberto Torretti's Philosophy of Science*, Grupo de Estudios de Filosofía de las Ciencias, Universidad de Chile.
- 12/2018 *Workshop Metafísica: Tres Debates Recientes*, Instituto de Filosofía, PUC de Chile
- 10/2018 *Primer Congreso Nacional de Estudiantes de Filosofía de las Ciencias*, Facultad de Filosofía y Humanidades, Universidad de Chile.
- 8/2018 **1st Workshop on Philosophy of Science: Mathematics, Models and Laws.** **Grupo** de Estudios de Filosofía de las Ciencias de la Universidad de Chile. (Speakers: Pablo Acuña, Otávio Bueno, Roman Frigg, and Olimpia Lombardi.)
- 10/2017 Co-organizer of the *Second Latin American Conference of Scientific Philosophy*. Further information: <http://www.colfic2017.cl>, Facultad de Ciencias and Facultad de Filosofía y Humanidades, Universidad de Chile
- 26-31,
8/2017 Organizer of the *Masterclass Seminar: The philosophy of applied mathematics*, delivered by Otávio Bueno (Department of Philosophy, University of Miami, U.S.A.), Facultad de Filosofía y Humanidades, Universidad de Chile.
- 21-22,
8/2017 Organizer of the *Masterclass Seminar Semirealism and the metaphysics of science*, delivered by Anjan Chakravartty (Department of Philosophy, University of Notre Dame, U.S.A.), Facultad de Filosofía y Humanidades, Universidad de Chile.
- 3-12/2017 Coordinator of the *Philosophy and the Sciences Seminar*, Facultad de Filosofía y Humanidades, Universidad de Chile

Academic Societies Membership

- 2018 - British Society for the Philosophy of Science
- 2016 - Sociedad Chilena de Filosofía de las Ciencias
- 2017 - Asociación de Filosofía e Historia de la Ciencia del Cono Sur
- 2016 - Society for the Philosophy of Science in Practice
- 2015 - Society for the Metaphysics of Science
- 2011 - Asociación Chilena de Filosofía
- 2012-2015 Australasian Association of Philosophy

References (in alphabetic order):

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2. Dr. Anjan Chakravartty
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