

MARIA DEL ROSARIO MARTINEZ-ORDAZ

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AREAS OF SPECIALIZATION: General philosophy of science * Epistemology * Logic.

AREAS OF COMPETENCE: Philosophy of logic * history of science * philosophy of physics

EMPLOYMENT

- 2023
-
POSTDOCTORAL RESEARCHER
Institute for Philosophical Research-National Autonomous University of Mexico\CONAHCyT,
Mexico City, Mexico.
Supervisor: Luis Estrada-González.
- 2022-2023
POSTDOCTORAL RESEARCHER FELLOWSHIP
École Centrale de Lille, Lille, France.\SOLVAY, Lille, France.
Project: *PLASTILOOP*
Supervisor: Michele Friend.
- 2019-2022
POSTDOCTORAL FELLOWSHIP
Programa Nacional de Pós-Doutorado PNPd\CAPES, Federal University of Rio de Janeiro, Rio
De Janeiro, Brazil.
Project: *Understanding Defective Information in Science and Philosophy*
Supervisor: Jean-Yves Béziau.
- 2021
(VISITING) POSTDOCTORAL RESEARCHER FELLOWSHIP
Excellence Initiative-Research University.
Nicolaus Copernicus University in Torun, Poland.
Supervisor: Tomasz Jarmuzek.

EDUCATION

- 2019
PH.D. IN PHILOSOPHY OF SCIENCE
National Autonomous University of Mexico
Concentration in logic and philosophy of science,
Thesis: *Applications of Paraconsistent Tools in the Study of Tolerance towards Contradictions
between Theory And Observation*
Doctoral Supervisor: Luis Estrada-González (UNAM)
- 2014
MA IN PHILOSOPHY OF SCIENCE
National Autonomous University of Mexico
Concentration in logic and philosophy of science,
Thesis *A Classification for Functional and Inconsistent Scientific Theories: Scope and
Limitations* (in Spanish)
Concentration in logic and philosophy of science; graduated with honors.
Supervisors: Atocha Aliseda-Llera (UNAM) and Mathieu Beirlaen (UNAM).
- 2010
BA DEGREE IN PHILOSOPHY
Universidad Veracruzana
Concentration in logic,
Thesis *Gödel and Paraconsistency: The road to non-triviality* (in Spanish)
Concentration in logic and analytic philosophy; graduated with honors.
Supervisor: Vanessa Salas del Ángel (Universidad Veracruzana).

RESEARCH SUPERVISION

Andrés Vázquez-Quijano (MA in the Philosophy of Science-UNAM)

Member of graduate committee (completed)

Christian Oliva (MA in the Philosophy of Science-UNAM).

Gabrielle Ramos-García (PhD in the Philosophy of Science-UNAM).

PUBLICATIONS

BOOKS AND EDITED COLLECTIONS

- Under contract* (ed. with Otávio Bueno) *From contradiction to defectiveness to pluralism: Philosophical and formal analyses*, Synthese Library, Springer.
- 2023 (ed. with Jeremiah Joven Joaquin and Colin R. Caret) Topical Collection [Themes from Beall](#), Asian Journal of Philosophy, Springer.
- 2023 (ed. with Alejandro Vazquez del Mercado) [Structuralist Perspectives about Science: Reflections on the work of Adolfo García de la Sienna Guajardo](#) (in Spanish), *Stoa: Revista del Instituto de Filosofía* 14:(27), Universidad Veracruzana.
- 2022 (ed. with Blanca M. Cárdenas-Carrión) [Perspectives and horizons of the philosophy of science in Mexico](#) (in Spanish), Facultad de Ciencias, UNAM.
- 2017 (ed. with Luis Estrada-González) [Beyond Toleration? Inconsistency and Pluralism in the Empirical Sciences](#), special issue of *Humana.Mente Journal of Philosophical Studies*, Issue 32.

RESEARCH ARTICLES IN JOURNALS (REFEREED)

- 2023 [“Scientific understanding through big data: From ignorance to insights to understanding”](#) in *Possibility Studies and Society*.
- 2023 [“When the Beauty of Images exemplifies: Considerations About Scientific Images and Understanding”](#) in *Teorema: International Journal of Philosophy*.
- 2022 [“A Methodological Shift in Favor of \(Some\) Paraconsistency in the Sciences”](#) in *Logica Universalis*, 16 : 335–354.
- 2021 [“Is Christ really contradictory? Some methodological concerns from the philosophy of science”](#) in Bertato, F. and N.C. Salvatore (Eds.) *SI. Contemporary Analytic Philosophy of Religion*, Manuscrito. Open access.
- 2020 [“The ignorance behind inconsistency toleration”](#) in *S.I. Knowing the Unknown, Synthese*.
- 2020 (first author | with Josafat I. Hernández) [“Inconsistency toleration in the sciences: Contradictions between theory and observation in the social sciences”](#) (in Spanish), *Perspectiva Filosófica* Vol 47 (2): 540-589. Open access.
- 2019 [“Are you a selective-realist dialetheist without knowing it?”](#), *Revista Colombiana de Filosofía de la Ciencia*, Vol. 38.
- 2018 (first author | with Luis Estrada-González) [“May the Reinforcement Be with You: On the Reconstruction of Scientific Episodes”](#), *Journal of the Philosophy of History*, 12(2): 259-283.
- 2017 [“Holism, Inconsistency Toleration and Inconsistencies between Theory and Observation”](#), *Humana Mente: Journal of Philosophical Studies* 32:117-147. Open access.

BOOK CHAPTERS (REFEREED)

- 2024 (with Moisés Macías-Bustos) “Recalcitrant Anomalies, Ignorance, Insights, and Understanding: A Structuralist Approach” in A.I. Mărășoiu and M. Dumitru

- 2023 (Eds) [Understanding and Conscious Experience: Philosophical and Scientific Perspectives](#), Routledge.
- (second author | with Moisés Macías-Bustos) "[Understanding Defective Theories: The case of Quantum Mechanics and Non-Idividuality](#)", *Non-Reflexive Logics, Non-Individuals and the Philosophy of Quantum Mechanics: Essays in honor of the philosophy of Décio Krause*, Springer.
- 2022 "[Is there anything special about the ignorance involved in Big Data practices?](#)", in Lundgren, Björn, L. and N. Nuñez-Hernández (Eds.) *Philosophy of Computing*, Philosophical Studies Series, Springer, Vol. 143; pp 113–140.
- 2018 (second author| with Luis Estrada- González) "[The possibility and fruitfulness of a debate on the principle of non-contradiction](#)", In: Carnielli W., Malinowski J. (eds) *Contradictions, from Consistency to Inconsistency*. Trends in Logic (Studia Logica Library), vol 47. Springer; pp 33-51.
- 2018 (with Michéle Friend) "[Keeping Globally Inconsistent Scientific Theories Locally Consistent](#)", In: Carnielli W., Malinowski J. (eds) *Contradictions, from Consistency to Inconsistency*. Trends in Logic (Studia Logica Library), vol 47. Springer; pp 53-88.

BOOK REVIEWS

- forthcoming* (with Dubian Canas) "Assessing Vickers' Plea for Identifying Future-Proof Science", *Journal for General Philosophy of Science*.

PROCEEDINGS PAPERS

- 2016 "Chunk and Permeate vs. Estructuras Parciales: Sobre cómo modelar la tolerancia a la inconsistencia en las ciencias empíricas" (Chunk and Permeate vs. Partial Structures: On how to model inconsistency toleration in empirical sciences), in *Rutas Didácticas y de Investigación en Lógica, Argumentación y Pensamiento Crítico*, Academia Mexicana de Lógica, Mexico, pp. 335-349.
- 2015 (first autor |with Luis Estrada-González) "The Importance of Being Partial" (in Spanish), Teresita Mijangos (ed.), *Memorias Electrónicas del V Simposio Internacional de Investigación en Lógica y Argumentación (SIIILA)*, Academia Mexicana de Lógica, México: 122-135.
- 2015 (second autor |with Luis Estrada-González) "The (in)consistency of the bernoullian infinitesimals" (in Spanish), Fernando Macías Romero *et al.*, eds., *Memorias del Segundo Congreso Internacional de Matemáticas y sus Aplicaciones*, Benemérita Universidad Autónoma de Puebla: Mexico, pp. 195-200.

TEACHING EXPERIENCE

- Aug-Dec 2024* Graduate Course *Structuralist approaches to understanding*
Graduate program in Philosophy
National Autonomous University of Mexico
- Feb-July 2024* Graduate Course *Philosophy of Science II*
with Ana Rosa Pérez Ransanz
Graduate program in Philosophy of Science
National Autonomous University of Mexico
- Sep-Oct 2023* Crash course *Scientific rationality: from anomalies to understanding*
12 hours Graduate program in Philosophy
Federal University of Rio de Janeiro, Brazil.

<i>April 2022</i> <i>9 hours</i>	Tutorial <i>Formal approaches to inconsistent science</i> 7th World School on Universal Logic Orthodox Academy of Crete, Crete, Greece.
<i>February 2022</i> <i>12 hours</i>	Crash course <i>The reliability of defective information in the sciences</i> Nicolaus Copernicus University in Torun, Poland.
<i>October 2021</i> <i>8 hours</i>	Crash course <i>Argumentation in the Sciences</i> (in Spanish) UNAM, Institute for Philosophical Research, Mexico City, Mexico. Certified program on argumentation and its philosophical applications (Diplomado de argumentación).
<i>Fall-2020</i> <i>44 hours</i>	Area Seminar: Philosophy of science (in Spanish) UNAM, Graduate Program in Philosophy of Science, Mexico City, Mexico.
<i>October 2020</i> <i>8 hours</i>	Crash course <i>Argumentation in the Sciences</i> (in Spanish) UNAM, Institute for Philosophical Research, Mexico City, Mexico. Certified program on argumentation and its philosophical applications (Diplomado de argumentación).
<i>2018-2019</i> <i>40 hours</i>	Course “From a Philosophical Argument to the Academic Paper” (joint work with J. Emmanuel Mendoza-Bock) UNAM, Institute for Philosophical Research, Mexico City, Mexico.
<i>October 2018</i> <i>8 hours</i>	Associate Students Program. Co-Taught Different Levels of Analytical Skills to Philosophy Students Critical thinking. Logics in the Sciences UNAM, Institute for Philosophical Research, Mexico City, Mexico. Certified program on logic and its philosophical applications (Diplomado de lógica). Taught formal tools for the analysis of scientific reasoning.
<i>Fall-2015</i> <i>36 hours</i>	Logic I -Undergraduate Level <i>Universidad Autónoma del Estado de Morelos</i> , Cuernavaca, Morelos, Mexico.
<i>Spring-2014</i>	Teaching Assistantship Logic II -Undergraduate Level with Atocha Aliseda Llera UNAM, Philosophy Department, Mexico City, Mexico.
<i>Fall-2013</i>	Teaching Assistantship Logic I -Undergraduate Level with Atocha Aliseda Llera UNAM, Philosophy Department, Mexico City, Mexico

RESEARCH STAYS

<i>September- December, 2021</i>	Visiting postdoctoral researcher. Nicolaus Copernicus University in Torun, Poland.Excellence Initiative-Research University. Supervisor: Tomasz Jarmużek.
<i>2013-2019</i>	Associate Students Program-Institute for Philosophical Research, UNAM. Supervisors: Atocha Aliseda Llera (2013-2015), Luis Estrada-González (2015-2019).

June, July-2018 Ghent University, Ghent, Belgium
Supervisor: Diderik Batens.

September-December, 2017 Ghent University, Ghent, Belgium
Supervisors: Diderik Batens, Joke Meheus

March-June, 2014 Ghent University, Ghent, Belgium.
Supervisors: Joke Meheus, Erik Weber.

2022–2023

ACTIVITIES IN RESEARCH PROJECTS

Member, post-doctoral fellow, “NR PLASTILOOP 2.0”, E2P2L lab and Solvay industries, École Centrale de Lille, Lille, France.

2019-2021 Member of UNAM-PAPIIT Research Project IN403719 "Intentionality to the end: a new plan for logical relevance".

2019-2020 Member of UNAM-PAPIIT Research project RG 100316 “Exploring gravitation from quantum mechanics and vice versa”.

2017-2018 Member of UNAM-PAPIIT Research Project IA401117 “Philosophical Aspects of Contra-Classical Logics”.

2017-2019 Member of UNAM-PAPIIT Research Project IA401717 “Pluralism and Normativity in Logic and Mathematics”.

2015-2016 Member of UNAM-PAPIIT Research Project IA401015 “After Consequences. A Universalist View of Logic (I)”.

2014-2016 Member of UNAM-PAPIIT Research Project IN400514 “Logics of Discovery, Heuristic and Creativity in the Sciences”.

AWARDS

February 2023 *Teorema Essay Prize for Young Scholars 2022*
Article “When the Beauty of Images exemplifies: Considerations About Scientific Images and Understanding”

February 2022 *Mexican Academy of Logic (AML) Logic Prize 2021*, Mexican Academy of Logic.
Article “A methodological shift in favor of (some) paraconsistency in the sciences”.

November 2021 *PSA Outreach and Engagement Award 2021*, Philosophy of Science Association-USA.
Project “LogicaMx”.

November 2017 *Graduate Essay Prize 2017*, SWIP-Analytic Mexico.
Essay “Is it possible to reason sensibly from a trivial theory?” (in Spanish).

September 2017 *Best Presentation Award at the 37th Dutch-Flemish Day of Philosophy*,
Dutch Research School of Philosophy (OZSW) and the Vrije Universiteit Amsterdam.
Talk: “Classicalists vs. Paraconsistentists: Unfolding the secret similarities”.

December 2012 *Honoric mention, First Graduate-Undergraduate dissertation Prize “Arte, Ciencia, Luz”*,
Universidad Veracruzana. Category: Bachelor Thesis.

Title: “Gödel and Paraconsistency: The road to Non-Triviality” (in Spanish)
–written and defended in 2010.

2023-2025

GRANTS AND FELLOWSHIPS

- 2022-2023 Postdoctoral grant *Postdoctoral Fellowships for Mexico* -National Council of the Humanities, Science and Technology (Conahcyt).
- 2019–2023 Postdoctoral fellowship, École Centrale de Lille, University of Lille, Lille, France.
- 2021 Postdoctoral grant Programa Nacional de Pós-Doutorado PNPd/CAPEs.
Visiting postdoctoral researcher. Nicolaus Copernicus University in Torun, Poland.
- 2015-2019 Excellence Initiative-Research University.
- 2018 CONACyT –National Grant for doctoral studies.
- October-January 2018 HOPOS 2018 Travel grant.
- 2018 CONACyT –International Grant for research stays (Declined).
- June-August 2018 CONACyT –International Grant for research stays.
- September-December 2017 CONACyT –International Grant for research stays.
- 2017
- 2015-6months ESSLI 2017 fee waiver and accommodation grant (Declined).
- 2014-6months UNAM-PAPIIT project grant for newly graduate students.
- March-June 2014 UNAM-PAPIIT project grant for enrolled postgraduate students.
- 2012-2014 CONACyT –International Grant for research stays.
- 2010 CONACyT—National Grant for MA studies.
Summer Research for undergraduate students—Mexican Academy of Sciences.

2018

ADDITIONAL EDUCATION

- 2018 Summer School on Mathematical Philosophy For Female Students.
LMU- Munich Center For Mathematical Philosophy, Munich, Germany.
- 2018 Student | HOPOS Mentors program 2018
University of Groningen, Holland.
- 2011 Mentor: Cristina Chimisso.
Pre-MA Program
EF International School, San Francisco, CA.

CONFERENCE ACTIVITY

INVITED TALKS

- 2024 “Is there any real evidence in favor of paraconsistency?”, III WORKSHOP ON THE INTERPRETATIONS OF PARACONSISTENT LOGICS, Federal University of Santa Catarina, Florianopolis, Brazil. December 9-11.
“The reconstructions-objection to logical pluralism” *Current challenges to logical pluralism*, UNAM, MexicoCity, Mexico. October 14-15.
- 2023 “The relativity of paraconsistency in science: Some reflections on different contradictions in scientific contexts”, *Logic in Question 10*, Sorbonne University, Paris, France. April 24-25.

- 2022 "Ignorance, insights and scientific understanding: The case of the sterile neutrinos", *Understanding III*, University of Bucharest, Bucharest, Romania. June.
 "Ignorance of theoretical structure, scientific understanding and the solar neutrino problem", *Möbius Seminars*, France. February.
- 2021 "Can we have a hierarchical model of scientific understanding?" (in Spanish), *Coloquio de Epistemología. Relaciones entre el lenguaje, la verdad y la lógica*, Peru, October.
 "From ignorance to scientific knowledge through big data implementation" (in Spanish), *Pensar la economía como ciencia social*, November 10-12.
 Methodologies for the Achievement of Understanding in Quantum Mechanics: The Case Of Primitive Ontology", *VII International Workshop on Quantum Mechanics and Quantum Information: Quantum Ontology And Metaphysics*, Brazil, April.
[Keynote] "A methodological shift in favor of (some) paraconsistency in the sciences" *The heterodox in logic and reason* (on line), Lima, Peru, January 13-16.
- 2020 Studying disagreement to explain contradictions in the sciences (in Spanish) at the *Workshop Disagreement and Epistemic Injustice*, University EAFIT, Medellin, Colombia, September 22.
 "A structuralist approach to scientific understanding", (Online) *Workshop Understanding, in Science and Beyond*, University of Iceland, Iceland, July 28.
- 2019 (with Moisés Macías-Bustos) "Tails and Contradictions right from the start", *Workshop "VI Workshop on Quantum Mechanics and Quantum Information: identity and Individuality"*, Federal University of Santa Catarina, Brazil, December 16-18.
[Keynote] "The ignorance behind inconsistency toleration", *CREATIVITY 2019, Workshop "Contradictions in factual science"*, Rio de Janeiro, Brazil, December 8-13.
 "The value of historically inaccurate reconstructions for the philosophy of science", *Annual Meeting UT-Austin-III-UNAM 2019*, University of Texas, Austin, November 8-9.
- 2018 **[Keynote]** "Contradiction, triviality, inconsistency toleration and other misunderstandings in the empirical sciences", *6th World Congress and School on Universal Logic*, Workshop 'Reflections on Paraconsistency', June 25.
- 2017 "Classicalists vs. Paraconsistentists: Tolerating too many coincidences and almost no difference" (in Spanish), *SWIP-Analytic Mexico inaugural event*, March 28.

PAPERS PRESENTED (PEER REVIEWED)

- 2024 "Insight and Understanding after AI: Questioning the epistemic consequences of AI", *2nd Annual Web Conference of the International Society for the Philosophy of the Sciences of the Mind*, Italy. October 24.
 "Revisiting Batens' Epistemology: From science to adaptiveness", *Batens Symposium*, 7th World Congress of Paraconsistency, UABJO, Oaxaca, Mexico. September 2-7.
 "Scientific Insight after AI: Questioning the epistemic consequences of AI"(Hybrid) *Symposium on Humanistic AI*. University of Gothenburg, Germany. June 19.

- “Some epistemic consequences of big data implementation in science: Reflections about trust, truth and veracity”(in Spanish), *Coloquio de Primavera de Filosofía de la Computación*, UNAM, Mexico City. May 27-31.
- 2023 "The evolution of an anomaly: from contradictions to gaps and from gaps to contradictions", Workshop *New perspectives on Anomalies in the Sciences*, Rio de Janeiro, Brazil, October 5-6.
(with Moisés Macías-Bustos) “Scientific Understanding of Defective Theories: Structuralism, Quantum Mechanics and the (Meta)Metaphysics of Individuals”, *IX International Workshop on Quantum Mechanics and Quantum Information: Quantum Mechanics: Between Theory and Interpretation*”, Santa Catarina, Brazil. June 22-23.
- 2022 “What is the relation between science and paraconsistent logic" *The Sixth World Congress of Paraconsistency in Toruń (WCP6)*, Torun, Poland. 5-8 September.
(with Moises Macias-Bustos) “On why to be a structural realist about chemistry”, *26 Conference of the International Society of Chemistry*. Lille, France. 15-21 August.
- 2021 “Trusting defective information in big data contexts: Some reflections on empirical adequacy and veracity" in *Trust in science SAS21* Conference, 27-29th of October.
“Ignorance, insights and understanding in big data practices: An inferentialist account”, *Enacting Chance: Ignorance Insight and Intuition*, August 23-27.
“Understanding defective theories: From logic to epistemology”, *International Conference “Formal Philosophy 2021”* , June 21-23.
“From serendipity and ignorance to knowledge and understanding in big data practices”, *Symposium Serendipity & Big Data*, February 22.
- 2020 (second author, joint with Moisés Macías-Bustos) “Can we use a contradictions right from the startmethodology?”, Iberoamerican workshop *Philosophical issues of Quantum Mechanics*, November 28.
“Is there anything special about the ignorance involved in Big Data practices?”, *Colóquio Virtual SELF - Problemas Filosóficos*, June 18.
- 2019 (joint with Otávio Bueno) “Making Sense of Defective Information: Partiality and Big Data in Astrophysics”, CLMPST 2019, Prague, August 5-10.
“Is there anything special about the type of defectiveness involved in Big Data? Some reflections on ignorance and Astrophysics”, *International Association for Computing and Philosophy – Annual Meeting 2019* Mexico City, Mexico, June 5-7.
“Can we have a hierarchical model of Scientific Understanding? A response to Batens”, *Understanding Defectiveness in the Sciences*, UNAM, Mexico, June 2-4.
“Inconsistent Reasoning in the Sciences and Strategic-Logical Pluralism”, *70th Annual Meeting of the New Mexico-Texas Philosophical Society*, San Antonio, Texas, USA, April 5-6, 2019.
Comments by Mary Gwin (San Diego Mesa College).
“Rational Choice: When and how is it rational to go paraconsistent in science?”, *Normativity across Disciplines*, UNAM, Mexico, October 21-23.

- 2018 “Understanding inter-theoretic contradictions and the many lives of historical reconstructions”, *XII International Congress of the International Society for the History of Philosophy of Science HOPOS 2018*, Groningen, The Netherlands, 9-12 July.
- “Anomalies vs. Inconsistencies between Theory and Observation: Some important distinctions”, *V Conference by Women in Philosophy*, Amsterdam, Holland, 5-6 July.
- “Paraconsistent Heuristics, Inconsistent Information, and Scientific Practice”, *Society for Philosophy of Science in Practice (SPSP) Seventh Biennial Conference*, Gent, Belgium, June 30-July 2nd.
- 2017 “Paraconsistent Reasoning Strategies and the Epistemology of the Inconsistency Toleration”, *Logic in the Wild*, Gent, Belgium, November 9-10.
- “(Intertheoretic) Inconsistency toleration: Are we really avoiding explosion?”, *Inconsistency and Scientific Pluralism*, Gent, Belgium, November 8.
- “Classicalists vs. Paraconsistentists: Unfolding the secret similarities”, *37th Dutch-Flemish Day of Philosophy*, Amsterdam, Holland, September 16.
- “Mixing inconsistent information from different theories: A new challenge for Chunk and Permeate”, *17th Latin American Symposium on Mathematical Logic*, Puebla, Mexico, June 26-30.
- “Inconsistencies between Theory and Observation and Chunk and Permeate”, *3rd IIFs-UNAM Philosophy Graduate Conference*, Mexico, February 8.
- 2016 “Chunk and Permeate vs. Partial Structures: On how to model inconsistency toleration in empirical sciences” (in Spanish), *XIX International Meeting of Didactics of Logic and International Symposium on Research in Logic and Argumentation*, UNAM-Mexico, November 15-18.
- “What does it mean to tolerate inconsistencies? From logic to philosophy of science” (in Spanish), *Workshop Logics of Discovery and Scientific Creativity*, October 19.
- “Inconsistencies between Theory and Observation and the Limits of Chunk and Permeate”, *Conference Trends in Logic XVI: Consistency, Contradiction, Paraconsistency and Reasoning*, Campinas, Brazil. September 11-14.
- (Second author, joint work with Luis Estrada-González) “On the possibility and fruitfulness of a debate on the PNC”, *Conference Trends in Logic XVI: Consistency, Contradiction, Paraconsistency and Reasoning*, Campinas, Brazil. September 11-14.
- (First author, joint work with Luis Estrada-González) “What is so Bad about Inconsistent Science?”, workshop *The Place of Inconsistent Science in Scientific Pluralism*, UNAM, Mexico. 5-6 September.
- 2015 (First author, joint work with Luis Estrada-González) “The importance of being partial” (in Spanish), *XVIII International Meeting of Didactics of Logic and International Symposium on Research in Logic and Argumentation*, Guadalajara, November 10-13.
- “Inconsistency and theory choice in the reconstruction of scientific episodes: The case of heterogenesis and biogenesis”, *Testing Philosophical Theories Against the History of Science*, Oulu, Finland. September 21-22.
- (First author, joint work with Luis Estrada-González) “Inconsistency toleration in Biology: the case of Spontaneous Generation” (in Spanish), II Conference of the Iberoamerican Association of Philosophy of Biology, Valle de Bravo, Mexico, September 7-11.

- (Second author, joint work with Luis Estrada-González) “The (in)consistency of the bernoullian infinitesimals” (in Spanish), *Second International Conference of Mathematics and its Applications*, August 31-September 4.
- 2014
- “Functional and Inconsistent Theories: A Classification”, *Paraconsistent Reasoning in Science and Mathematics*, Munich, Germany, 11-13 June.
- 2013
- “Inconsistent Functional Scientific Theories: How to approach them” (in Spanish) at *First Associated Students Workshop*, Institute of Philosophical Research, UNAM, Mexico.
- 2011
- (First author, joint work with M.A. Vanessa Salas) “Teaching Logic to Undergraduates: A Teaching Proposal” (in Spanish), *XV International Meeting of Didactics of Logic*, Institute of Philosophical Research, UNAM, Mexico.
- 2010
- “The revolution of ancient philosophy: An analysis of the figures that grounded it” (in Spanish), *XV Regional Meeting of Philosophy Students*, Tlaxcala, Mexico, February 23-27.
- 2009
- “Medical Logic: A formal system for medical reasoning” (in Spanish), *XXVI National Meeting of Philosophy Students*, Aguascalientes, Mexico, September 14-19, 2009.
- 2008
- “From Myth to Philosophy: A natural step or actual analytical work?” (in Spanish), *XXV National Meeting of Philosophy Students*, Puebla, Mexico, May 19-24, 2008.
- 2016
- COMMENTING**
- “Law & Order: Ecology” (Georgia R. Rainer), *2nd IIFs-UNAM Philosophy Graduate Conference*, UNAM- Mexico, March 9-10.
- 2015
- “Paraconsistency and the foundation of mathematics” (Christian Andrés Romero Ramírez, in Spanish) *First National Conference of History and Philosophy of Logic and Mathematics*, February 23-26.
- 2024
- ORGANIZATION**
- 7th World Congress of Paraconsistency*, UABJO, Oaxaca, Mexico. September 2-7.
- 2023
- Workshop *New perspectives on Anomalies in the Sciences*, Federal University of Rio de Janeiro, Brazil, October 5-6.
- 2022
- (with Michele Friend) *26 Conference of the International Society of Chemistry*. Lille, France. 15-21 August.
- (with Luis F. Bartolo-Alegre) Workshop *Logic(s) in Defective Science* for 7th World Congress and School on Universal Logic, Orthodox Academy of Crete, Crete, Greece. 6-11 April.
- 2021
- (with Tomasz Jarmuzek) *Workshop "Eclectic Approaches to Causation and Explanation"*. Torun, Poland. 16, 17 December.
- 2020
- (with Moisés Macías-Bustos) Iberoamerican Workshop *Philosophical issues of Quantum Mechanics*, November 27 and 28, and December 4 and 5.

- (Cancelled) (with Gabrielle Ramos-García) Symposium “Talking the defects of human rationality: views from epistemology, logic and the cognitive sciences”, ECAP 10, Utrech, The Netherlands.
- 2019
- Symposium *From contradiction to defectiveness to pluralism*, CLMPST 2019, Prague, August 5-10.
- Understanding Defectiveness in the Sciences*, UNAM, Mexico, June 3-4.
- 2018
- Graduate Students Colloquium of Philosophy of Science*, UNAM, Mexico, March 4-6.
- (with Cristian Alejandro Gutiérrez- Ramírez) *Normativity across Disciplines*, UNAM-Mexico, October 22-23.
- 2017
- (with Diderik Batens, Joke Meheus, Dunja Šešelja and Federica Russo) *Inconsistency and Scientific Pluralism*, Gent, Belgium, November 8.
- 2016
- (with Luis Estrada-González) Round table discussion “Current perspectives on inconsistency”, in *XIX International Meeting of Didactics of Logic and International Symposium on Research in Logic and Argumentation*, UNAM-Mexico, November 15-18.
- (with Luis Estrada-González) Workshop *Logical Space: Logical and Metaphysical Issues*, UNAM-Mexico, September 5-6.
- 2015
- (with Luis Estrada-González) Workshop *The Place of Inconsistent Science in Scientific Pluralism*, UNAM-Mexico, September 5-6.
- 2013
- 2nd IIFs-UNAM Philosophy Graduate Conference*, UNAM-Mexico, March 9-10.
- 1st IIFs-UNAM Philosophy Graduate Conference*, UNAM-Mexico, February 19-20.
- (with Laura Perez) *First Associated Students Workshop*, Institute of Philosophical Research, UNAM, Mexico.
- 2024
- SERVICES**
- PUBLIC PHILOSOPHY**
- 2021
- [“Guest Post: Lessons from Brazilian Academia as a Mexican Female Philosopher”](#), *Logicas Brasileiras blog*, October.
- 2020
- [“Interview with Tomasz Jarmuzek”](#), *The Reasoner*, 16(1):
- (second author with Moisés Macías-Bustos) [“Interview to Phillip Bricker”](#), *The Reasoner*, 14 (1):
- first author with Gabrielle Ramos-García) [“Pascal's wager applied to COVID-19: Philosophical reflections about risk”](#) (in Spanish), *Aion.mx* (51):
- 2021–
- ACADEMIC ACTIVITIES COORDINATED**
- 2024
- (with Gabrielle Ramos-García, Alejandro Estrada-Giron, Moises Macias-Bustos and Cristian Gutiérrez-Ramírez) [LógicaMX](#).
- 2022–23
- (With Andres Vazquez) Intensive reading group *Methodological issues of observational cosmology (I)* -UNAM.

- 2020 Secretary of PC *CLMPST2023* (17th edition of the International Congress on Logic, Methodology and Philosophy of Science and Technology).
<https://clmpst2023.dc.uba.ar/organization/>
- 2015-2019 (with Moisés Macías-Bustos) *Iberoamerican Seminar of Philosophy of Science*.
- 2017-2019 (with Gabrielle Ramos-García) *World Logic Day*, Discussion session, UNAM.
[Philosophy of Science Reading group](#)-UNAM.
- 2017 *Intensive Sessions for philosophical discussion and analysis* –UNAM.
 (with Luis Estrada-González) Intensive reading group *Paraconsistency, contradiction and negations*-UNAM.
- 2016 (with Cristian Alejandro Gutiérrez-Ramírez) Intensive reading group *Scientific Realism and Methodology* –UNAM.
 (with Luis Estrada-González) Intensive reading group *Inconsistent Science and Scientific Pluralism* –UNAM.

REFEREEING

Program committee *Annual Meeting of the New Mexico-Texas Philosophical Society*.

Refereed articles on philosophy of science and logic for: *Synthese*, *THEORIA. An International Journal for Theory*, *Organon F*, *Perspectiva Filosófica*, *Crítica: Revista Hispanoamericana de Filosofía*, *Tópicos*, *Revista de Filosofía*.