

MARIA DEL ROSARIO MARTINEZ-ORDAZ

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EMPLOYMENT

POSTDOCTORAL FELLOWSHIP

Programa Nacional de Pós-Doutorado PNPd/CAPEs, Federal University of Rio de Janeiro, Rio De Janeiro, Brazil. 20
Project: *Understanding Defective Information in Science and Philosophy* 19
Supervisor: Jean Yves Beziau. ---

VISITING POSTDOCTORAL RESEARCHER FELLOWSHIP

Excellence Initiative-Research University. Nicolaus Copernicus University in Torun, Poland. ---
Supervisor: Tomasz Jarmuzek.

EDUCATION

PHD IN PHILOSOPHY OF SCIENCE

National Autonomous University of Mexico Mexico City, Mexico. 20
Concentration in logic and philosophy of science, 19
Thesis: *Applications of Paraconsistent Tools in the Study of Tolerance towards Contradictions between Theory And Observation*
Doctoral Supervisor: Luis Estrada-González (UNAM)
Doctoral committee: Xavier de Donato Rodríguez (Universidad de Santiago de Compostela), Francisco Hernández Quiroz (UNAM), Ana Rosa Pérez Ransanz (UNAM), Otávio Bueno (University of Miami).

MA IN PHILOSOPHY OF SCIENCE

National Autonomous University of Mexico, Mexico City, Mexico. 20
Concentration in logic and philosophy of science, 14
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).

BACHELOR'S DEGREE IN PHILOSOPHY

Universidad Veracruzana, Xalapa de Enriquez, Veracruz, Mexico. 20
Concentration in logic, 10
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).

AREAS OF SPECIALIZATION

General philosophy of science, logic, epistemology.

AREAS OF COMPETENCE

Philosophy of logic, history of science, philosophy of physics (interpretations of Quantum Mechanics).

LANGUAGE SKILLS:

English: Full Professional Proficiency. **Spanish:** Native. **Portuguese:** Elementary .

PUBLICATIONS

BOOKS AND EDITED COLLECTIONS

2022- under contract (ed. joint with Otávio Bueno) *From contradiction to defectiveness to pluralism: Philosophical and formal analyses*, Synthese Library.

2017. (ed. joint 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 (REFEREED)

Forthcoming. “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, Vol. 143.

Forthcoming. “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*.

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.

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.

BOOK CHAPTERS (REFEREED)

Forthcoming (with Gabrielle Ramos-García) “A modal reading of Newcomb's problem” (in Spanish), *Ars Logicae* 3, UNAM.

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.

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.

PROCEEDINGS PAPERS

Forthcoming. “Inconsistent Reasoning in the Sciences and Strategic-Logical Pluralism” forthcoming in *Southwest Philosophical Studies*.

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) “La Importancia de Ser Parcial” (The Importance of Being Partial), Teresita Mijangos (ed.), *Memorias Electrónicas del V Simposio*

Internacional de Investigación en Lógica y Argumentación (SIIIA), Academia Mexicana de Lógica, México, pp. 122-135.

2015. (Second autor |with Luis Estrada-González) “La (in)consistencia de los infinitesimales Bernoullianos” (The (in)consistency of the bernoullian infinitesimals), 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.

PUBLIC PHILOSOPHY

2020. (second author with Moisés Macías-Bustos) “Interview to Phillip Bricker”, *The Reasoner*, 14 (1): <https://blogs.kent.ac.uk/thereasoner/files/2020/01/TheReasoner-1401.pdf>

2020. (first author with Gabrielle Ramos-García) "Pascal's wager applied to COVID-19: Philosophical reflections about risk" (in Spanish), *Aion.mx* (51): <https://aion.mx/filosofia/la-apuesta-de-pascal-aplicada-al-covid-19-reflexiones>

IN PREPARATION

(Completed) A paper on the value of historically inaccurate reconstructions for the achievement of understanding in philosophy of science.

(First author/ Joint with Otávio Bueno) A paper on the rational use of defective information, epistemic opacity and partiality in observational cosmology.

(Joint with Tomasz Jarmuzek) A paper regarding the preservation of scientific understanding through belief revision.

TEACHING EXPERIENCE

(2021) Crash course *Argumentation in the Sciences* (in Spanish)

UNAM, Institute for Philosophical Research, Mexico City, Mexico.

Certified program on argumentation and its philosophical applications (Diplomado de argumentación) : <https://www.mariamartinezordaz.com/argumentacionciencias21.html>

(2020) Area Seminar: Philosophy of science (in Spanish)

UNAM, Graduate Program in Philosophy of Science, Mexico City, Mexico.

(2020) Crash course *Argumentation in the Sciences* (in Spanish)

UNAM, Institute for Philosophical Research, Mexico City, Mexico.

Certified program on argumentation and its philosophical applications (Diplomado de argumentación) :

<https://www.mariamartinezordaz.com/coacutemo-se-argumenta-en-ciencia-unam.html>

(2018- 2019) Course “From a Philosophical Argument to the Academic Paper” (joint work with J. Emmanuel Mendoza-Bock)

UNAM, Institute for Philosophical Research, Mexico City, Mexico.

Associate Students Program. Co-Taught Different Levels of Analytical Skills to Philosophy Students | Critical thinking.

(2018) 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.

(2015) Logic I -Undergraduate Level

Universidad Autónoma del Estado de Morelos, Cuernavaca, Morelos, Mexico.

(2013-2014 | Teaching Assistantship) Logic I, II

with Prof. Atocha Aliseda Llera

UNAM, Philosophy Department, Mexico City, Mexico.

(2012 | Teaching Assistantship) Logic I

UNAM, Science Department, Mathematics, Mexico City, Mexico.

Co-Taught Different Levels of Logical Skills to Students

Mentored Students in Logic.

(2012) Philosophy and Contemporary Thought-Undergraduate Level

Universidad Popular Autónoma de Veracruz, Oaxaca, Mexico.

(2012) Epistemology-Undergraduate Level

Universidad Popular Autónoma de Veracruz, Oaxaca, Mexico.

(2010) Philosophy—High School Level

Instituto Libre de Comercio y Administración, Oaxaca, Mexico.

(2010) Greek And Latin Etymology—High School Teacher

Instituto Libre de Comercio y Administración, Oaxaca, Mexico.

(2008-2010 | Teaching Assistantship) Logic I, II Undergraduate Level

Universidad Veracruzana, Philosophy Department, Veracruz, Mexico.

RESEARCH STAYS

(September-December, 2021) Visiting postdoctoral researcher. Nicolaus Copernicus University in Torun, Poland.

Supervisor: Tomasz Jarmużek.

Grant: 9588,12 Euro (43800,00 zł), Excellence Initiative-Research University.

(2013 -2019). 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.

AWARDS

(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.

GRANTS AND FELLOWSHIPS

(20--) Visiting postdoctoral researcher. Nicolaus Copernicus University in Torun, Poland.

Excellence Initiative-Research University.

(2019--) Postdoctoral grant Programa Nacional de Pós-Doutorado PNPd/CAPES.

(2015-2019) CONACyT –National Grant for doctoral studies.

(2018) HOPOS 2018 Travel grant.

(October-January 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) ESSLLI 2017 fee waiver and accommodation grant (Declined).

(2015-6 months) UNAM-PAPIIT project grant for newly graduate students.

(2014-6 months) UNAM-PAPIIT project grant for enrolled postgraduate students.

(March-June 2014) CONACyT –International Grant for research stays.

(2012-2014) CONACyT—National Grant for masters studies.

(2010) Summer Research for undergraduate students—Mexican Academy of Sciences.

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.

Mentor: Cristina Chimisso.

(2011) Pre-MA Program

EF International School, San Francisco, CA.

CONFERENCE ACTIVITY

INVITED TALKS

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, 2021.

"From ignorance to scientific knowledge through big data implementation" (in Spanish), *Pensar la economía como ciencia social*, November 10-12, 2021.

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

[Keynote] “A methodological shift in favor of (some) paraconsistency in the sciences” *The heterodox in logic and reason*, Lima, Peru, January 13-16, 2021.

2020

Studying disagreement to explain contradictions in the sciences (in Spanish) at the *Workshop Disagreement and Epistemic Injustice*, University EAFIT, Medellin, Colombia, September 22, 2020.

“A structuralist approach to scientific understanding”, (Online) *Workshop Understanding, in Science and Beyond*, University of Iceland, Iceland, July 28, 2020.

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, 2019.

[Keynote] “The ignorance behind inconsistency toleration”, *CREATIVITY 2019, Workshop "Contradictions in factual science"*, Rio de Janeiro, Brazil, December 8-13, 2019.

“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, 2019.

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, 2018.

2017

“Classicalists vs. Paraconsistentists: Tolerating too many coincidences and almost no difference” (in Spanish), *SWIP-Analytic Mexico inaugural event*, March 28, 2017.

PAPERS PRESENTED (PEER REVIEWED)

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 2021.

“Ignorance, insights and understanding in big data practices: An inferentialist account”, *Enacting Chance: Ignorance Insight and Intuition*, August 23-27, 2021.

“Understanding defective theories: From logic to epistemology”, *International Conference "Formal Philosophy 2021"*, June 21-23, 2021.

“From serendipity and ignorance to knowledge and understanding in big data practices”, *Symposium Serendipity & Big Data*, February 22, 2021.

2020 (POSTPONED)

(first author, joint with Moisés Macías-Bustos) “The challenge of the illusion: Understanding defective theories”, *Understanding Progress and Progress in Understanding*, University of Iceland.

(second author, joint with Moisés Macías-Bustos) “Can we use a contradictions right from the start methodology?”, *8th Biennial SPSP (Society for Philosophy of Science in Practice) Conference*, University of Michigan.

2020

(second author, joint with Moisés Macías-Bustos) “Can we use a contradictions right from the start methodology?”, Iberoamerican workshop *Philosophical issues of Quantum Mechanics*, November 28, 2020.

“Is there anything special about the ignorance involved in Big Data practices?”, Colóquio Virtual SELF - Problemas Filosóficos, June 18, 2020.

2019

(joint with Otávio Bueno) “Making Sense of Defective Information: Partiality and Big Data in Astrophysics”, CLMPST 2019, Prague, August 5-10, 2019.

“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, 2019.

“Can we have a hierarchical model of Scientific Understanding? A response to Batens”, *Understanding Defectiveness in the Sciences*, UNAM, Mexico, June 2-4, 2019.

“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).

2018

“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 2018.

“Anomalies vs. Inconsistencies between Theory and Observation: Some important distinctions”, *V Conference by Women in Philosophy*, Amsterdam, Holland, 5-6 July 2018.

“Paraconsistent Heuristics, Inconsistent Information, and Scientific Practice”, *Society for Philosophy of Science in Practice (SPSP) Seventh Biennial Conference* Gent, Belgium, June 30-July 2nd, 2018.

2017

“Paraconsistent Reasoning Strategies and the Epistemology of the Inconsistency Tolerant”, *Logic in the Wild*, Gent, Belgium, November 9-10, 2017.

“(Intertheoretic) Inconsistency tolerant: Are we really avoiding explosion?”, *Inconsistency and Scientific Pluralism*, Gent, Belgium, November 8, 2017.

“Classicalists vs. Paraconsistentists: Unfolding the secret similarities”, *37th Dutch-Flemish Day of Philosophy*, Amsterdam, Holland, September 16, 2017.

“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, 2017.

“Inconsistencies between Theory and Observation and Chunk and Permeate”, *3rd IIFs-UNAM Philosophy Graduate Conference*, Mexico, February 8, 2017.

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, 2016.

“What does it mean to tolerate inconsistencies? From logic to philosophy of science” (in Spanish), *Workshop Logics of Discovery and Scientific Creativity*, October 19, 2016.

“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, 2016.

(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, 2016.

(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 2016.

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, 2015.

“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, 2015.

(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, 2015.

(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, 2015.

2014

“Functional and Inconsistent Theories: A Classification”, *Paraconsistent Reasoning in Science and Mathematics*, Munich, Germany, 11-13 June 2014

2013

“Inconsistent Functional Scientific Theories: How to approach them” (in Spanish) at *First Associated Students Workshop*, Institute of Philosophical Research, UNAM, Mexico 2013.

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, 2011.

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, 2010.

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.

COMMENTING

“Law & Order: Ecology” (Georgia R. Rainer), 2nd *IIFs-UNAM Philosophy Graduate Conference*, UNAM- Mexico, March 9-10, 2016.

“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, 2015.

ORGANIZATION

2022

Workshop *Logic(s) in Defective Science* for 7th World Congress and School on Universal Logic, Orthodox Academy of Crete, Crete, Greece.

2020

(with Moisés Macías-Bustos) Iberoamerican Workshop *Philosophical issues of Quantum Mechanics*, November 27 and 28, and December 4 and 5, 2020.

(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, 2019.

Understanding Defectiveness in the Sciences, UNAM, Mexico, June 3-4, 2019.

Graduate Students Colloquium of Philosophy of Science UNAM, Mexico, March 4-6, 2019.

2018

(with Cristian Alejandro Gutiérrez- Ramírez) *Normativity across Disciplines*, UNAM-Mexico, October 22-23, 2018.

2017

(with Diderik Batens, Joke Meheus, Dunja Šešelja and Federica Russo) *Inconsistency and Scientific Pluralism*, Gent, Belgium, November 8, 2017.

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, 2016.

(with Luis Estrada-González) Workshop *Logical Space: Logical and Metaphysical Issues*, UNAM-Mexico, September 5-6, 2016.

(with Luis Estrada-González) Workshop *The Place of Inconsistent Science in Scientific Pluralism*, UNAM-Mexico, September 5-6, 2016.

2nd *IIFs-UNAM Philosophy Graduate Conference*, UNAM-Mexico, March 9-10, 2016.

2015

1st *IIFs-UNAM Philosophy Graduate Conference*, UNAM-Mexico, February 19-20, 2015.

2013

(with Laura Perez) *First Associated Students Workshop*, Institute of Philosophical Research, UNAM, Mexico 2013.

SERVICES

ACADEMIC ACTIVITIES COORDINATED

(2021 →) (with Gabrielle Ramos-García, Alejandro Estrada-Giron, Moises Macias-Bustos and Cristian Gutiérrez-Ramírez) *LógicaMX*: <http://logicamex.wixsite.com/logicamx>

(2020 →) (with Moisés Macías-Bustos) *Iberoamerican Seminar of Philosophy of Science*: <https://latfilcie.wixsite.com/sifc>.

(2020) (with Gabrielle Ramos-García) *World day of Logic*, Discussion session, UNAM.

(2015-2019) *Philosophy of Science Reading group* UNAM: <https://inconsistentscienc.wixsite.com/glfc-unam>.

(2017 -2019) Intensive Sessions for philosophical discussion and analysis –UNAM.

(2018) (with Luis Estrada-González) Intensive reading group *Paraconsistency, contradiction and negations*-UNAM.

(2017) (with Cristian Alejandro Gutiérrez- Ramírez) Intensive reading group *Scientific Realism and Methodology* –UNAM.

(2016) (with Luis Estrada-González) Intensive reading group *Inconsistent Science and Scientific Pluralism* –UNAM.

REFEREEING

(2020) Program committee *71 Annual Meeting of the New Mexico-Texas Philosophical Society*.

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

ACTIVITIES IN RESEARCH PROJECTS

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

(2019—) 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”.