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EMPLOYMENT

Postdoctoral fellowship

2019

Programa Nacional de Pós-Doutorado PNPd/CAPEs (Brazil)

Federal University of Rio de Janeiro, Rio de Janeiro, Brazil.

Project: Understanding Defective Information in Science And Philosophy

Supervisor; Jean Yves Beziau

EDUCATION

PhD in Philosophy of Science

2019

National Autonomous University of Mexico, Mexico City, 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)

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

2014

National Autonomous University of Mexico, Mexico City, 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 3.9 G.P.A.

Supervisors: Atocha Aliseda-Llera (UNAM) and Mathieu Beirlaen (UNAM).

Bachelor's Degree in Philosophy

2010

Universidad Veracruzana, Xalapa de Enriquez, Veracruz, Mexico

Concentration in philosophical logic,

Thesis *Gödel and Paraconsistency: The road to non-triviality* (in Spanish)

Concentration in logic and analytic philosophy; graduated with honors 3.8 G.P.A

Supervisor: Vanessa Salas del Ángel (Universidad Veracruzana).

AREAS OF SPECIALIZATION

General philosophy of science, logic, history of science

AREAS OF COMPETENCE

Philosophy of logic, epistemology, philosophy of physics.

PUBLICATIONS

BOOKS AND EDITED COLLECTIONS

- **2017.** (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.

ARTICLES IN REFEREED JOURNALS

- **2020.** "The ignorance behind inconsistency toleration", forthcoming in *Synthese*.
- **2020.** "Inconsistent Reasoning in the Sciences and Strategic-Logical Pluralism" forthcoming in *Southwest Philosophical Studies*, forthcoming.

- **2019.** “Are you a selective-realist dialetheist without knowing it?”, *Revista Colombiana de Filosofía de la Ciencia*, Vol. 38.
- **2018.** (first author| Joint 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* 32:117-147.

BOOK CHAPTERS

- **2018.** (joint with Michèle 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|Joint 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

- **2016.** “Chunk and Permeate vs. Estructuras Parciales: Sobre como modelar la tolerancia a la inconsistencia en las ciencias empiricas” (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 author, joint 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 (SIILA)*, Academia Mexicana de Lógica, México, pp. 122-135.
- **2015.** (Second author, joint 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.

OTHERS

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

WORK IN PROGRESS| UNDER REVIEW

- “The value of historically inaccurate reconstructions for the philosophy of science: Some reflections on understanding, exemplifying and reinforcing”.
- (with Otávio Bueno) “Making Sense of Defective Information: Partiality and Big Data in Astrophysics”
- (with Gabrielle Ramos’García) “Una lectura modal del problema de Newcomb”.

RESEARCH STAYS

- **[2013 -2019].** Associate Students Program-Institute for Philosophical Research, UNAM Supervisors: Prof. Atocha Aliseda Llera (2013-2015), Luis Estrada-González (2015–).
- **[June-July, 2018].** *Ghent University*, Ghent, Belgium Supervisor: Prof. Diderik Batens.
- **[September-December, 2017].** *Ghent University*, Ghent, Belgium

Supervisors: Prof. Diderik Batens, Prof. Joke Meheus

- **[March-June, 2014]**. *Ghent University*, Ghent, Belgium (March-June, 2014)

Supervisors: Prof. Joke Meheus, Prof. 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

- **[2019-2021]** 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]** ESSLII 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

- (with Moisés Macías-Bustos) "Tails and Contradictions right from the start", *Workshop "VI Workshop on Quantum Mechanics and Quantum Information: identity and Individuality"*,

Universidade Federal de Santa Catarina, Brazil, December 16-18, 2019.

- **[Keynote]** “The ignorance behind inconsistency toleration”, *CREATIVITY 2019, Taller “Contradicciones en las ciencias empíricas”*, Rio de Janeiro, Brasil, diciembre 8-13, 2019.
- “The value of historically inaccurate reconstructions for the philosophy of science”, *Annual Meeting UT-Austin-IIF-UNAM 2019*, University of Texas, Austin, November 8-9, 2019.
- **[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.
- “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)

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: Dra. 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 toleration: 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” (Cristian Andrés Romero Ramírez, in Spanish) *First National Conference of History and Philosophy of Logic and Mathematics*, February 23-26, 2015.

ORGANIZATION

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.

TEACHING EXPERIENCE

[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.

[2013-1014] TEACHING ASSISTANTSHIP

- *UNAM*, Philosophy Department, Mexico City, Mexico.
Helped in Logic-I and Logic-II courses (with Prof. Atocha Aliseda Llera).
Prepare teaching materials.

[2012] TEACHING ASSISTANTSHIP

- *UNAM*, Science Department, Mathematics, Mexico City, Mexico.
Helped in a Propositional Logic Course.
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.
Mentored a student who was a finalist in a National Philosophical Essay Contest.
Organized a Celebration of Philosophy Day

[2010] GREEK AND LATIN ETYMOLOGY—HIGH SCHOOL TEACHER

- *Instituto Libre de Comercio y Administración*, Oaxaca, Mexico.

[2008-2010] TEACHING ASSISTANTSHIP (LOGIC II, III) -UNDERGRADUATE LEVEL

- *Universidad Veracruzana*, Philosophy Department, Veracruz, Mexico.

SERVICES

ACADEMIC ACTIVITIES COORDINATED

- **[2020]** (with Gabrielle Ramos García) *World day of Logic*, Discussion session, UNAM.
- **[2015-2019]** Philosophy of Science Reading group-UNAM.
- **[2017 -2019]** Intensive Sessions for philosophical discussion and analysis –UNAM.
- **[2018]** (with Luis Estrada-González) Intensive reading group on Paraconsistency, contradiction and negations-UNAM.
- **[2017]** (with Cristian Alejandro Gutiérrez- Ramírez) Intensive reading group on Scientific Realism and Methodology –UNAM.
- **[2016]** (with Luis Estrada-González) Intensive reading group on Inconsistent Science and Scientific Pluralism –UNAM.

REFEREEING

- **[2020]** Program committee *71 Annual Meeting of the New Mexico-Texas Philosophical Society*.
- **[2019]** Refereed an articles on philosophy of logic for *THEORIA. An International Journal for Theory, History and the Foundations of Science* (x1).
- **[2019]** Refereed an articles on philosophy of science for *Synthese*. (x1)
- **[2018—]** Refereed articles on philosophy of science for *Crítica: Revista Hispanoamericana de Filosofía*.

- [2017—]Refereed articles on philosophy of science for *Tópicos, Revista de Filosofía* (ISSN: 2007-8498).
- [2014—]Refereed articles on philosophical logic for *Revista Graffylia* (official journal for the department of philosophy at the Meritorious Autonomous University of Puebla, Mexico).

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 IG400219 "Consciousness and normativity".
- [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".