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**Current position**

**Visiting Assistant Professor (Postdoctoral position).**

August 2015 - Now.

Texas A&M University.

Mentors: Dr. Eric Rowell and Dr. Sarah Witherspoon.

**Previous positions**

**Mathematics postdoctoral fellowship.**

Apr 2013 - Nov 2015.

**CONICET (National Research Council) Argentina.**

Universidad de Buenos Aires (IMAS - CONICET) and Universidad Nacional de Córdoba (CIEM-CONICET).

Mentors: Dr. María Julia Redondo and Dr. Martín Mombelli

**Education**1. **Ph.D. in Mathematics**

Aug 2008 – Mar (15th) 2013.

FaMAF, Universidad Nacional de Córdoba (UNC), Argentina.

Advisor: Dr. Sonia Natale.

Thesis title: *On the structure of fusion categories with few irreducible degrees.*

2. **Master Class “Quantum Groups, affine Lie algebras and their applications.”**

Sep 2007 – Jun 2008.

MRI (Mathematical Research Institute), Utrecht University, The Netherlands.

Advisor: Dr. Michael Mueger.

3. **Licenciada en Matemática** (M.Sc. in Math. equivalent)

Mar 2003 – Sep (3rd) 2007.

FaMAF, Universidad Nacional de Córdoba (UNC), Argentina.

Grade: 9.16/10.

**Publications**1. “Modular categories of dimension  $p^3m$  with  $m$  square-free”

2016

with P. Bruillard and E. Rowell.

To appear in *Proc. Amer. Math. Soc.*

Preprint [arXiv:1609.04896](https://arxiv.org/abs/1609.04896).

## 2. “Tensor products and support varieties for some noncocommutative Hopf algebras” 2016

with S. Witherspoon

To appear in *Algebr. Represent. Theory* **21**, Issue 2 (2018), 259-276.

Preprint [arXiv:1611.10285](https://arxiv.org/abs/1611.10285).

3. “Fermionic modular categories and the 16-fold Way” 2016  
with P. Bruillard, C. Galindo, T. Hagge, S.-H. Ng, E. Rowell, Z. Wang.  
*Journal of Mathematical Physics* **58**, (2017), 041704.
4. “Tensor functor between Morita duals of fusion categories” 2016  
with C. Galindo.  
*Letters in Mathematical Physics* **107**, Issue 3 (2017), 553-590.
5. “On Gauging Symmetry of Modular Categories” 2016  
with S.X. Cui, C. Galindo and Z. Wang.  
*Communication in Mathematical Physics* **348**, no. 3 (2016), 1043-1064.
6. “Low-dimensional representations of the three component loop braid group” 2015  
with P. Bruillard, L. Chang, S.-M. Hong, E. C. Rowell and M. Y. Sun.  
*Journal of Mathematical Physics* **56**, no. 11 (2015), 111707.
7. “On the Classification of Weakly Integral Modular Categories” 2015  
with P. Bruillard, C. Galindo, S-H. Ng, E. C. Rowell and Z. Wang.  
*Journal of Pure and Applied Algebra* **22**, no. 16 (2015), 2364-2388.
8. “Classification of integral modular categories of Frobenius-Perron dimension  $pq^4$  and  $p^2q^2$ ”  
with P. Bruillard, C. Galindo, S.-M. Hong, Y. Kashina, D. Naidu, S. Natale and E. C. Rowell.  
*Canadian Mathematical Bulletin* **57**, no. 4 (2014), 721-734.
9. “Solvability of a class of braided fusion categories” 2014  
with S. Natale.  
*Applied Categorical Structures* **22** (2014), 229-240.
10. “On fusion categories with few irreducible degrees” 2012  
with S. Natale.  
*Algebra Number Theory* **6**, no. 6 (2012), 1171-1197.

## Preprints

1. “Fusion Rules for  $\mathbb{Z}/2\mathbb{Z}$  Permutation Gauging” 2018  
with C. Edie-Michell and C. Jones.  
Preprint [arXiv:1804.01657](https://arxiv.org/abs/1804.01657).
2. “Categorical dimension as a quantum statistic and applications” 2017  
with P. Bruillard, P. Gustafson, and E. C. Rowell.  
Preprint [arXiv:1710.10284](https://arxiv.org/abs/1710.10284).
3. “Classification of super-modular categories by rank” 2017  
with P. Bruillard, C. Galindo, S-H. Ng, E. C. Rowell and Z. Wang.  
Preprint [arXiv:1705.05293](https://arxiv.org/abs/1705.05293).

## Teaching experience

### Visiting Assistant Professor

Aug 2015 – Now

Texas A&M University.

Spring 2018: Facilitator of the graduate student writing groups, together with Dean Baskin.

Fall 2017: Math 302-Discrete Mathematics, section 501, and

Math 645-A Survey of Mathematical Problems I (online course - Master degree - teaching track), sections 699 and 700

Spring 2017: Math 433-Applied Algebra, section 500.

Fall 2016: (2 courses) Math 311-Topics in Applied Math I, sections 502 and 504.

Spring 2016: Math 311-Topics in Applied Math I, section 501.

Fall 2015: (2 courses) Math 151-Engineering Math I, sections 543-545 and 552-554.

### Assistant Professor

Apr 2015 – Mar 2016

FaMAF – Universidad Nacional de Córdoba – Argentina.

Multivariable calculus, discrete mathematics/introduction to proofs.

### Graduate student instructor (JTP)

Aug 2013 – Now (currently on leave)

FaMAF – Universidad Nacional de Córdoba – Argentina.

Introductory course in mathematics (online course), Introductory course in mathematics, Discrete Mathematics/Introduction to proofs, Linear algebra.

### Graduate teaching assistant

Aug 2009 – Jul 2013

FaMAF – Universidad Nacional de Córdoba – Argentina.

Discrete Mathematics/Introduction to proofs (3 semesters), Calculus II, Linear algebra (4 semesters).

### Graduate teaching assistant

May 2009 – May 2010

Facultad Regional Córdoba – Universidad Tecnológica Nacional – Argentina.

Advanced calculus (numerical methods for differential equations).

### Undergraduate teaching assistant

Mar 2005 – Aug 2007

FaMAF – Universidad Nacional de Córdoba – Argentina.

Discrete Mathematics/Introduction to proofs (3 semesters), Calculus II, Linear algebra.

## Mentoring activities

**Master Thesis Mentoring:** Agustina Czenky (Universidad Nacional de Córdoba) (since September 2017).

**Research Experience for Undergraduates (REU) 2017 :** mentor of the program on Mathematics of Topological Quantum Computation at Texas A&M University (4 students).

**Undergraduate Research Mentoring:** Ryan Bailey (2016-2017) (jointly with Timo de Wolff since Spring 2017), Elizabeth Thompson (Fall 2017).

## Research Interests:

Tensor, fusion, braided, and modular categories, noncommutative algebra, Hopf algebras, homological algebra, representation theory, knot theory, braid groups, quantum groups, quantum computation, quantum information.

## Service activities

**Editor** (with P. Bruillard, and C. Ortiz Marrero) of the Proceedings of the AMS Special Session on Topological Phases of Matter and Quantum Computation, which will be published in the Contemporary Mathematics book series.

**Referee** for Acta Math. Sin., English Series; Appl. Categor. Struct.; Bull. Amer. Math. Soc; J. Algebra.

**Reviewer** for Mathematical Reviews (AMS) since March 2013.

**Postdoctoral representative** at the College of Science Diversity Committee of Texas A&M University, since April 2016.

**Co-organizer** of the Woman in Math lunches series at Texas A&M University, Fall 2016; Spring 2017; Fall 2017; Spring 2018.

**Co-organizer** on the AWM Chapter at Texas A&M University, Fall 2016; Spring 2017; Fall 2017; Spring 2018.

**Mentor** in 2017-18 GLBT Resource Center Mentorship Program at Texas A&M University, Fall 2017; Spring 2018.

**Tutor in College of Science Learning Communities program** at Texas A&M University, Fall 2017.

This program is devoted to provide a support network to first generation students (the first in their family going to College), students that have automatically been accepted in the program but they had a low grade on their SAT, and students coming from low income families.

**Coordinate** Texas A&M undergraduate attendees, MathFest (August 2016, August 2017) and JMM (January 2017).

**Tutor in “PACENI” Program** (mathematics) at FaMAF, UNC. May 2009-Mar 2010; Jun-Aug 2010.

This program is devoted to orient students in their first approach to University and to help them during their adaptation time.

**Tutor of the course “TIC para enseñar” (TIC to teach)**(mathematics), organized by the Ministerio de Educación de la Provincia de Córdoba, La Voz del Interior, la Facultad de Matemática, Astronomía y Física y la Facultad de Lenguas de la Universidad Nacional de Córdoba (UNC). Sep-Dec 2011.

This program is devoted to teach high school teachers some interesting topics and how to introduce them to the students using new technologies.

## Scientific/Academic Honors and Grants:

- Selected to participate at the 5th Heidelberg Laureates Forum in September 2017.
- AMS - Simon Travel Grant - Selection March 2016 (USD 4000).
- AWM Travel grant - Selection October 2015 (USD 3500).
- Funding for additional collaborations for the MRC program. January 2015.

- Conference grants:

- Workshop on Subfactors and fusion categories at BIRS in Banff, Canada, October 14th-19th, 2018 (organized with T. Gannon, S. Morrison, and D. Penneys).  
Website: <https://www.birs.ca/events/2018/5-day-workshops/18w5195>
- AMS Mathematics Research Communities: “Quantum Symmetries: Subfactors and Fusion Categories”, June 10th-16th, 2018 (organized with D. Penneys and N. Snyder with assistants P. Bruillard and C. Jones).  
Website: <http://www.ams.org/programs/research-communities/2018MRC-Quantum>
- SQuaRE Program, AIM (American Institute of Mathematics): 2014-2016 (with P. Bruillard, C. Galindo, S.-H. Ng, E.C.Rowell and Z. Wang)

### Conferences and Seminars Co-Organization:

1. CIMPA Research School on Quantum Symmetries at Univesidad de los Andes, Bogota, Colombia, June 24th-July 05th, 2019 (organized with Carolina Benedetti, Alain Bruguieres, Cesar Galindo, and Monique Muller).  
Website: <https://matematicas.uniandes.edu.co/eventos/2018/quantum/index.html>
2. Workshop on Subfactors and fusion categories at BIRS in Banff, Canada, October 14th-19th, 2018 (organized with T. Gannon, S. Morrison, and D. Penneys).  
Website: <https://www.birs.ca/events/2018/5-day-workshops/18w5195>
3. AMS Mathematics Research Communities: “Quantum Symmetries: Subfactors and Fusion Categories”, June 10th-16th, 2018 (organized with D. Penneys and N. Snyder with assistants P. Bruillard and C. Jones).  
Website: <http://www.ams.org/programs/research-communities/2018MRC-Quantum>
4. AMS Special Session on Algebras, Tensor Categories, and Homological Algebra at the AMS Sectional Meeting in Boston. April 21st-22nd, 2018 (organized with C. Negron, and S. Witherspoon).  
Website: [http://www.ams.org/meetings/sectional/2252\\_program.html](http://www.ams.org/meetings/sectional/2252_program.html)
5. AMS Special Session on Quantum Symmetries at the AMS Sectional Meeting in Columbus. March 17th-18th, 2018 (organized with D. Penneys).  
Website: [http://www.ams.org/meetings/sectional/2250\\_program.html](http://www.ams.org/meetings/sectional/2250_program.html)
6. AMS Special Session on Quantum Computing and Topological Phases of Matter at the 2018 Joint Mathematics Meetings in San Diego, January 09th-13th, 2018 (organized with P. Bruillard, and D. Meyer).  
Website: [http://jointmathematicsmeetings.org/meetings/national/jmm2018/2197\\_special.html](http://jointmathematicsmeetings.org/meetings/national/jmm2018/2197_special.html)
7. AMS Special Session on Tensor Categories: Bridging Algebra, Topology, and Physics at the AMS Sectional Meeting in Riverside. November 4th-5th, 2017 (organized with P. Bruillard, and H. Tucker).  
Website: [http://www.ams.org/meetings/sectional/2243\\_program.html](http://www.ams.org/meetings/sectional/2243_program.html)

8. Seminar “Postdoc Colloquium Series”, Texas A & M University, Fall 2017 (with I. Harris and L. Matusevich).
9. Workshop on Topological quantum computing, an interdisciplinary challenge at the 5th Heidelberg Laureate Forum (HLF) in Heidelberg, Germany. September 25th (organized with Sir M. Atiyah - mentor-, and I. Sierra del Río).  
Website: <http://www.heidelberglaureateforum.org/event2017.html>
10. Working Seminar on “Quantum Computing and Quantum Information”, Texas A & M University, Summer 2017 (with M. Brannan and P. Gustafson).
11. Seminar “Algebra and Combinatorics”, Texas A & M University, Spring 2017 (with J. Forsgaard and E. Rowell), Fall 2017 (with E. Rowell), Spring 2018 (with E. Rowell).
12. Special Session on Hopf Algebras and Tensor Categories at the XXII Coloquio Latinoamericano de Álgebra in Quito, Ecuador, August 07th-11th, 2017 (organized with C. Galindo).  
Website: <http://www.puce.edu.ec/claquito2017/>
13. Special Session on Mathematics of Quantum Phases of Matter and Quantum Information at the Mathematical Congress of the Americas in Montreal, Canada, July 24th-28th, 2017 (organized with P. Bruillard, C. Galindo, and E. Rowell).  
Website: <https://mca2017.org/scientificprogram>
14. AMS Special Session on Fusion Categories and Applications at the AMS Sectional Meeting in Bloomington. April 1st-2nd, 2017 (organized with P. Bruillard, and E. Rowell).  
Website: [http://www.ams.org/meetings/sectional/2233\\_program.html](http://www.ams.org/meetings/sectional/2233_program.html)
15. Symposium for Faculty, Staff, Graduate Student and PostDocs in the Sciences: Insight and Strategies for Professional Success, Personal Well Being and Getting Along with Others at Texas A&M University, February 24th, 2017 (organized with D. Akleman, A. Dabney, G. Rosenthal, C. Watanabe, and R. Webb).  
Website: <http://www.stat.tamu.edu/derya/symposium/>
16. AMS Special Session on Fusion Categories and Quantum Symmetries at the 2017 Joint Mathematics Meetings in Atlanta, January 04th-07th, 2017 (organized with P. Bruillard, and E. Rowell).  
Website: [http://jointmathematicsmeetings.org/meetings/national//jmm/2180\\_program.html](http://jointmathematicsmeetings.org/meetings/national//jmm/2180_program.html)
17. AMS Special Session on Topological Phases of Matter and Quantum Computing at the AMS Sectional Meeting in Brunswick. September 24th-25th, 2016 (organized with P. Bruillard, and C. Ortiz Marrero).  
Website: [http://www.ams.org/meetings/sectional/2238\\_program.html](http://www.ams.org/meetings/sectional/2238_program.html)
18. Minisymposium on Mathematical Models for Topological Phases of Matter at SIAM Annual Meeting in Boston. July 11th-15th, 2016 (organized with P. Bruillard, and D.

Creamer).

Website: <http://www.siam.org/meetings/an16/>

19. AMS Special Session on Fusion Categories and Topological Phases of Matter at the AMS Sectional Meeting in Salt Lake City. April 09th-10th, 2016 (organized with P. Bruillard).  
Website: [http://www.ams.org/meetings/sectional/2232\\_program\\_ss11.html#title](http://www.ams.org/meetings/sectional/2232_program_ss11.html#title)
20. First Encuentro Colombiano de Computación Cuántica ( $EC^3$ 2015) in Bogotá, Colombia. May 11th-15th, 2015 (organized with R. Díaz, C. Galindo, E. Rowell, and Z. Wang).  
Website: <http://matematicas.uniandes.edu.co/eventos/2015/EC/>
21. Colloquium on Algebra and Representations - Quantum 2014, Santa Maria, Rio Grande do Sul, Brasil. March 20th-24th, 2014 (organized with I. Angiono, D. Bagio, D. Flôres, A. Paques, and V. Silva Rodrigues).  
Website: <http://www.famaf.unc.edu.ar/plavnik/quantum2014-en/index-en.html>
22. Colloquium on Algebra and Representations - Quantum 2013, in Tafí del Valle, Tucumán, Argentina. March 22nd-25th, 2013 (organized with N. Andruskiewitsch, and F. Fantino).  
Website: <http://www.famaf.unc.edu.ar/plavnik/quantum2013-en/index-en.html>
23. Graduate seminar of FaMAF, Universidad Nacional de Córdoba (UNC), Fall and Spring 2010. (with R. M. Arroyo).

## Talks in conferences

1. AMS Special Session on Structure and Representations of Hopf Algebras: a Session in Honor of Susan Montgomery at the 2018 Joint Mathematical Meeting in San Diego (Invited talk), U.S.A, January 2018.
2. AWM Workshop on Noncommutative Algebra and Representation Theory at the 2018 Joint Mathematical Meeting in San Diego (Invited talk), U.S.A, January 2018.
3. AMS Special Session on Noncommutative and Homological Algebra at the AMS Sectional Meeting in Denton (Invited talk), U.S.A, September 2017.
4. Special Session on Hopf Algebras and Tensor Categories at the Mathematical Congress of the Americas (Invited talk), Montreal, Canada, July 2017.
5. Quantum Symmetries: Subfactors and Planar Algebras (Invited talk), Maui, U.S.A, July 2017.
6. Summer 2017 West Coast Lie Theory Workshop on Hopf Algebras and Tensor Categories in San Diego (Invited talk), U.S.A, June 2017.
7. Workshop Structure of Operator Algebras: Subfactors and Fusion Categories (Invited talk), Cambridge, UK, January 2017.
8. AMS Special Session on New Developments in Noncommutative Algebra and Representation Theory at the 2017 Joint Mathematical Meeting in Atlanta (Invited talk), U.S.A, January 2017
9. AMS Special Session on Quantum field theories and geometric representation theory at the AMS Sectional Meeting in Minneapolis (Invited talk), U.S.A, October 2016.

10. AMS Special Session on Quantum algebra at the AMS Sectional Meeting in Denver (Invited talk), U.S.A, October 2016.
11. CMO-BIRS Workshop: Modular Categories - Their Representations, Classification, and Applications (Invited talk), Oaxaca, Mexico, August 2016.
12. Minisymposium on Mathematical Models for Topological Phases of Matter at SIAM Annual Meeting, Boston, U.S.A, July 2016.
13. International Workshop Hopf Algebras, Algebraic Groups and Related Structures, St. John's, Canada, June 2016.
14. Workshop Hopf Algebras and Actions, Part II (Invited talk), Seattle, U.S.A, April 2016.
15. AMS Special Session on Fusion Categories and Topological Phases of Matter, Salt Lake City, U.S.A, April 2016.
16. Colloquium on Algebra and Representations - Quantum 2016 (Poster), Córdoba, Argentina, March 2016.
17. First Encuentro Colombiano de Computación Cuántica ( $EC^3$ 2015), Bogotá, Colombia, May 2015.
18. Colloquium on Algebra and Representations - Quantum 2015, Córdoba, Argentina, March 2015.
19. 2015 Joint Mathematical Meetings (JMM) (Invited talk at AMS Special Session on Quantum Information and Fusion Categories), San Antonio, U.S.A, January 2015.
20. VII Encuentro Nacional de Álgebra, La Falda, Argentina, August 2014.
21. Mathematical Research Communities: Mathematics of Quantum Phases of Matter and Quantum Information (MRC), Snowbird, U.S.A, June 2014.
22. Colloquium on Algebra and Representations - Quantum 2014, Santa Maria, Brazil, March 2014.
23. Joint Int. Meeting of the AMS and the Romanian Mathematical Society (Invited talk), Alba Iulia, Romania, June 2013.
24. Workshop on Fusion Categories (Invited talk), Dijon, France, May 2013.
25. Colloquium on Algebra and Representations - Quantum 2013, Taí del Valle, Argentina, March 2013.
26. XIX Coloquio Latinoamericano de Álgebra (CLA), Pucón, Chile, December 2012.
27. Primeras Jornadas de Doctorandos de FaMAF, Córdoba, Argentina, November 2012.
28. IV Congreso Latinoamericano de Matemáticos (CLAM), Córdoba, Argentina, August 2012.
29. Colloquium on Algebra and Representations - Quantum 2012, Mendoza, Argentina, March 2012.
30. Reunión Anual de la UMA, Tucumán, Argentina, September 2011.
31. Snoop Update'05 (Invited talk), Buenos Aires, Argentina, September 2012.
32. 34 JAIIO (Plenary conference and poster), Rosario, Argentina, September 2005.



## Talks in seminars

1. Colloquium, Indiana University-Bloomington, U.S.A. February 06th, 2018.
2. Algebra Seminar, Temple University, U.S.A. December 11th, 2017.
3. AWM Chapter Seminar, University of Southern California, U.S.A. November 06th, 2017.
4. Working Seminar on Quantum Computation and Quantum Information, Texas A & M University, U.S.A. June 29th, 2017.
5. Algebra Seminar, UC San Diego, U.S.A. June 05th, 2017; November 3rd, 2017.
6. Quantum Algebra/Topology Seminar, UC Santa Barbara, U.S.A. May 17th, 2017.
7. Hypatian Seminar, UC Santa Barbara, U.S.A. May 15th, 2017.
8. Infinite Dimensional Algebra Seminar, M.I.T, U.S.A. May 12th, 2017.
9. Quantum Algebra and Quantum Topology Seminar, Ohio State University, U.S.A. April 4th, 2017; March 20th, 2018.
10. Quantum mathematics meeting, Australian National University, Australia. March 17th, 2017.
11. Algebra and Topology Seminar, Australian National University, Australia. March 14th, 2017.
12. Hopf Working Seminar, University of Southern California, U.S.A. February 09th, 2016.
13. Algebra Seminar, University of Southern California, U.S.A. February 08th, 2016; November 06th, 2017.
14. Postdoc Colloquium, Texas A & M University, U.S.A. Oct. 29th, 2015; Oct. 26th, 2016; Oct. 25th, 2017.
15. Homological Algebra Seminar, Universidad de Buenos Aires, Argentina. July 10th, 2013; August 28th, 2013.
16. Quantum Physics and Geometry Seminar, Universität Hamburg, Germany. June 14th, 2013.
17. Oberseminar “Kombinatorik und Algebra”, Philipps-Universität Marburg, Germany. June 5th, 2013.
18. Algebra Seminar, Universiteit Utrecht, The Netherlands. May 29th, 2013.
19. Q.A. Seminar, Universidad de Buenos Aires, Argentina. April 22nd, 2013.
20. Lie Theory Seminar, FaMAF, Universidad Nacional de Córdoba, Argentina. June 09th, 2011; May 31st, 2012; April 16th, 2015.
21. “Algebra and Combinatorics” Seminar, Texas A & M University, U.S.A. March 23rd, 2012; October 16th, 2015.
22. “GRASP” (Geometry, Representation and Some Physics) Seminar, UC Berkeley, U.S.A. March 09th, 2012.
23. Rutgers Algebra Seminar, Rutgers, The State University of New Jersey, U.S.A. February 29th, 2012.
24. “Knots and geometrizations” Seminar, Universiteit van Amsterdam, The Netherlands. October 29th, 2007.

### Future Talks in conferences and seminars

1. AMS Special Session on Tensor Categories and Diagrammatic Methods at the AMS Sectional Meeting in Nashville (Invited talk), U.S.A, April 2018.
2. (Invited) Course “An introduction to tensor and modular categories” at the CIMPA Research School on Hopf Algebras and Tensor Categories in Córdoba, Argentina, July-August 2019.

### Outreach activities

**Talk** at the Math Club, Texas A&M University, April 2018.

**Judge** for the Student Problem Solving Competition at MathFest 2017, July 2017.

**Judge** for the Student Research Week at Texas A&M University. Topic judge (subject area: science) for posters, March 2017.

**Volunteer** at the Texas A&M Annual Integral Bee, March 2017.

**Volunteer** at the STEMfest 2017 at Texas A&M, February 2017.

**Volunteer** at the Texas A&M Annual Derivative Bee, November 2016, October 2017.

**Judge** for the Texas Junior Academy of Science (physics), October 2016, October 2017.

**Judge** for the MAA Student Paper Presentations at MathFest, August 2016.

**SEE-Math instructor** (Logic Puzzles activity), July 2016.

**Problem-writing Committee and Volunteer** at the Texas A&M Tenth Annual Integral Bee, March 2016.

**Problem-writing Committee and Volunteer** at the Texas A&M Fourth Annual Derivative Bee, November 2015.

**Grader** for the Power Team at the Texas A&M High School Math Contest, October 2015; October 2016; October 2017.

### Additional fellowships and awards

- AMS - Travel Grant to attend to the ICM, Rio de Janeiro, Brazil. August 2018 (USD 3300) - declined for personal reasons.
- Postdoctoral Scholar Travel Award, Texas A&M University - Selection November 2017.
- Travel Grant to attend to the summer school “Mathematical Aspects of Quantum Information” in Cargese, Corsica, France - September 2017.
- AMS - Travel Grant to attend to the Second Mathematical Congress of the Americas (MCA), Montreal, Canada. July 2017 (USD 1350).
- Fellowship, MRC (Mathematics Research Communities), U.S.A. To attend to the MRC Special Session “Special Session on Quantum Information and Fusion Categories” at the 2015 JMM. San Antonio, Texas, U.S.A. January 2015.
- Full fellowship, MRC (Mathematics Research Communities), U.S.A. To attend to the MRC “Mathematics of Quantum Phases of Matter and Quantum Information”. Snowbird, Utah, U.S.A. June 2014.
- Full fellowship to attend to the “Twelfth Spring Institute on Noncommutative Geometry and Operator Algebras”. Vanderbilt University, Nashville, Tennessee, U.S.A. May 2014 (USD 1100).

- SQuaRE Program, AIM (American Institute of Mathematics): 2014-2016 (with P. Bruillard, C. Galindo, S.-H. Ng, E.C.Rowell and Z. Wang)
- Full fellowship, University of Talca, Clay Mathematics Institute and Conicyt to attend to “Representation theory days in Patagonia”. Punta Arenas, Chile. January 2014 (USD 800).
- PostDoctoral fellowship, CONICET, Argentina. Advisor: Dr. María Julia Redondo. Coadvisor: Dr. Martín Mombelli. April 2013 – August 2015.
- Ph.D. fellowship Type II, CONICET, Argentina. Advisor: Dr. Sonia Natale. Coadvisor: Dr. Nicolás Andruskiewitsch. April 2011 – March 2013.
- Ph.D. fellowship Type I, CONICET, Argentina. Advisor: Dr. Sonia Natale. Coadvisor: Dr. Nicolás Andruskiewitsch. April 2008 – March 2011.
- Full fellowship, AIM (American Institute of Mathematics), U.S.A. To attend to the AIM Workshop “Classifying fusion categories”. Palo Alto, California, U.S.A. March 2012.
- Premio Talentos 2008. Best undergraduate student of FaMAF. Journal “Punto a Punto”. September 2008.
- Master Class full fellowship, MRI (Mathematical Research Institute), Utrecht University, The Netherlands. Full fellowship for the realization of the Master Class “Quantum Groups, Affine Lie Algebras and their applications” (Universiteit Utrecht). September 2007 – June 2008.
- Primer premio en el Concurso de Trabajos Estudiantiles, with R.M.Arroyo. Best undergraduate thesis. 34 JAIIO. September 2005.
- Premio estudiantil cordobés. Best high school student. Córdoba province government. December 2000.

## Languages

Spanish (mother tongue), English (fluent), French (DELF B1 level), Portuguese.