

RESUME

PERSONAL DATA

Name: Diego Pablo de la Hera
Birth date: December 30th, 1987
Birth place: Villa Luzuriaga, Buenos Aires, Argentina
Email: delahera [at] gmail.com

EDUCATION

- 2016-today Ongoing PhD in Psychology at Universidad Nacional de Córdoba
Title: "Development of teaching abilities in children"
- 2006-2011 Biochemistry graduate from University of Buenos Aires (UBA).
Average grade: 8,39.
- 2003-2005 High School Diploma on Natural Sciences at High School number 2, Haedo City.
Average grade: 9,79.
- 2001-2002 Two years at Electronics High School number 8, Morón City.

ACADEMIC AND RESEARCH EXPERIENCE

- 2015-today University Torcuato Di Tella, Neuroscience Laboratory. PhD Student.
- 2019-2020 Max Planck Institute for Human Development, iSearch Lab, Berlin. Guest research project leader.
- 2014-2015 University Torcuato Di Tella, Neuroscience Laboratory. Lab Manager.
- 2013 University of Buenos Aires. Physics Department, Integrative Neuroscience Laboratory. Research assistant at the "Little Teachers" project.
- 2013 INTA (National Agricultural Technology Institute), Institute of Pathobiology. Research intern.
- 2009-2012 UBA-CONICET (National Scientific and Technical Research Council) Institute of Chemical and Physicochemical Biology (IQUFIB). Member of a research group on molecular biology of ionic pumps.

GRANTS AND SCHOLARSHIPS

- 2019-2020 DAAD German Academic Exchange Service Scholarship for a Short-Term Research Stay at the Max Planck Institute for Human Development's Research Group "iSearch". December 2019-February 2020, Berlin.
- 2018 Accepted at the VII Latin American School for Education, Cognitive and Neural Sciences (LASchool 2018). June 2018, Santiago de Chile.
- 2018 International Travel Grant award from the International Brain Research Organization (IBRO). To attend the III International Meeting of the Psychonomic Society, in Amsterdam.
- 2015-2020 PhD Grant (Beca Interna Doctoral) from National Scientific and Technical Research Council (CONICET). To do a PhD in Psychology at Universidad Nacional de Córdoba.
- 2015 Meeting Attendance Grant (Beca SAN) from the Argentine Society for Research in Neuroscience (SAN). To attend SAN XXX Annual Meeting.
- 2011-2012 Research Initiation Grant for Undergraduate Students (Beca Estímulo) from University of Buenos Aires. To conduct research as an undergraduate student at a molecular biology laboratory studying the function of a cell membrane protein potentially involved in Alzheimer's disease.

TEACHING EXPERIENCE

- 2019 New York University Buenos Aires. Substitute teacher of Developmental Psychology.
- 2017 University of Buenos Aires, Faculty of Philosophy and Literature, Office of University Outreach and Student Welfare. Digitization Workshop.
- 2010-2013 University of Buenos Aires, Faculty of Pharmacy and Biochemistry, Biological Chemistry Department. Teaching Assistant of undergraduate subject "Biological Chemistry". In charge of laboratory class as of August 2012.
- 2012 University of Buenos Aires, Faculty of Pharmacy and Biochemistry, Biological Chemistry Department. Delivery of the "Metabolic Control Analysis" module at the "Advanced Enzyme Kinetics" course.
- 2012 Laboratory teacher in module 6 "Biochemistry and Molecular Biology" of the International Master Program in Biomedical Sciences (IMBS) joint between University of Buenos Aires and University of Freiburg.

PUBLICATIONS

- 2019 de la Hera, D. P., Sigman, M., & Calero, C. I. (in preparation) *Peer tutoring of programming languages in children*.
- 2019 de la Hera, D. P., Sigman, M., & Calero, C. I. (2019). *Social interaction and conceptual change pave the way away from children's misconceptions about the Earth*. npj Science of Learning, 4(1). <https://doi.org/10.1038/s41539-019-0051-3>
- 2013 de la Hera, D. P., Corradi, G. R., Adamo, H. P., & de Tezanos Pinto, F. (2013). *Parkinson's disease-associated human P5B-ATPase ATP13A2 increases spermidine uptake*. Biochemical Journal, 450, 47–53.
- 2012 de Tezanos Pinto, F., Corradi, G. R., de la Hera, D. P., & Adamo, H. P. (2012). *CHO cells expressing the human P5-ATPase ATP13A2 are more sensitive to the toxic effects of herbicide paraquat*. Neurochemistry International, 60, 243–8.

CONFERENCE PRESENTATIONS

- 2019 de la Hera, D. P., Rosso, A., Roulet, N., Sigman, M., Calero, C. I. (2019, August) *Performance determinants in the visual perception card game "Set"*. Poster presented at the XVII National and VI International Meeting of the Argentine Association of Behavioral Sciences (AACC), Posadas.
- de la Hera, D. P. (2019, March) *Enseñanza entre niños de lenguajes de programación*. Talk presented at the Interdiscipline Fundamentals and Applications Meeting (JFAI), Buenos Aires.
- 2018 de la Hera, D. P., Sigman, M., & Calero, C. I. (2018, May) *Enseñanza entre pares de lenguajes de programación*. Poster presented at the I Argentine Conference on Teaching of Programming (JADiPro), Quilmes.
- de la Hera, D. P., Sigman, M., & Calero, C. I. (2018, May) *Kids teaching kids: peer tutoring of programming languages*. Poster presented at the III International Meeting of the Psychonomic Society, Amsterdam.
- 2017 de la Hera, D. P., Sigman, M., & Calero, C. I. (2017, August) *Enseñanza entre pares de un lenguaje de programación*. Symposium presented at the XVI National and V International Meeting of the Argentine Association of Behavioral Sciences (AACC), San Luis.
- de la Hera, D. P., Sigman, M., & Calero, C. I. (2017, August) *Cambios conceptuales del planeta Tierra en niños por interacción entre pares*. Poster presented at the XVI National and V International Meeting of the Argentine Association of Behavioral Sciences (AACC), San Luis.
- 2016 de la Hera, D. P., Sigman, M., & Calero, C. I. (2016, October) *Let's talk about the Earth: Children learn about conceptual Earth models from their peers*. Poster presented at the 2nd Congress of the Federation of Latin-American and Caribbean Societies for Neuroscience (FALAN), Buenos Aires.
- de la Hera, D. P., Sigman, M., & Calero, C. I. (2016, November) *Let's talk about the Earth: Children learn about conceptual Earth models from their peers*. Poster at the Latin American School and Workshop on Data Analysis and Mathematical Modeling of Social Sciences, Buenos Aires.
- 2015 de la Hera, D. P., Calero, C. I., & Sigman, M. (2015, September) *Peer tutoring in changing children's models of the Earth*. Poster presented at the XXX Annual Meeting of the Argentine Society for Research in Neuroscience (SAN), Buenos Aires.
- 2012 Corradi, G. R., de la Hera, D. P., Adamo, H. P., & de Tezanos Pinto, F. (2012, December) *Enlargement of lysosomes and late endosomes by the overexpression of the P5-ATPase ATP13A2*. Poster presented at the XLI Annual Meeting of the Argentine Society of Biophysics (SAB), Tucumán.

- 2011 de la Hera, D. P., Corradi, G. R., Adamo, H. P., & de Tezanos Pinto, F. (2011, December) *La sobreexpresión del transportador ATP13A2, involucrado en el desarrollo de la enfermedad de Parkinson, estimula la captación de espermidina*. Poster presented at the XL Annual Meeting of the Argentine Society of Biophysics (SAB), Buenos Aires.
- 2010 de Tezanos Pinto, F., Corradi, G. R., de la Hera, D. P., & Adamo, H. P. (2010, November) *CHO cells expressing the human P5-ATPase ATP13A2 are more sensitive to the toxic effects induced by the polyamine analog Paraquat*. Poster presented at the XLVI Annual Meeting of the Argentine Society for Biochemical Research and Molecular Biology (SAIB), Puerto Madryn.

OUTREACH

- 2019 "Misconceptions about the Earth? Children can help". Article written for the "Behind the paper" channel of the npj Science of Learning Community. August 29th, 2019.
- 2018 "Diego de la Hera on the Little Teachers research project". Interview by Educación Tecnológica S.A., LEGO Education partner in Argentina. Buenos Aires. December, 2018. <https://youtu.be/eWr-ld9AuXc>
- 2018 "Peer tutoring: kids teaching kids". Invited speaker at Developmental Psychology class. New York University, Buenos Aires. November 13th, 2018.
- 2018 "Little Teachers & SET". Outreach class for sixth graders on scientific method in cognitive sciences. St. Andrew's Scots School, Buenos Aires. November 9th, 2018.
- 2017 "Peer tutoring of programming languages". Speech given at the 2nd Conference on Neurosciences, Technologies and Education. University Center "Vicente López". June 8th, 2017.
- 2016 "Little Teachers: What children teach each other about the Earth". Speech given to invited district school teachers, authorities and other professionals at the French-Argentine Lyceum "Jean Mermoz".
- 2015 "Little Teachers: Peer tutoring and conceptual changes". Speech given to school teachers at the French-Argentine Lyceum "Jean Mermoz".
- 2015 Co-organizer of UTDT-MUNTREF (University Torcuato Di Tella – Museum of University Tres de Febrero) joint activity "Little Teachers", at the MUNTREF's "Art and Science" exhibit in the science, art and technology fair "Tecnópolis"
Participation at the round table "The experience of MUNTREF's 'Art and Science': different ways of interaction between scientists and artists", part of the cycle of conferences "Hybrid: collaboration network Ars Electronica – MUNTREF" at the Kirchner's Cultural Center.
- 2012 Design and development of theoretical-practical activity for science popularization "Life 'Bases': genes, proteins and mutants. A journey to the microscopic world of DNA and proteins. Who they are, what they do, and how they relate to cancer and transgenic food". Presentation at the National Government's science, art and technology fair "Tecnópolis", and at Sathya Sai Mahatma Gandhi High School.

EVENT ORGANIZATION

- 2015-2016 Organization Assistant of the 6th Latin American School for Education, Cognitive and Neural Sciences (LASchool 2016), sponsored by the James S. McDonnell Foundation.

LANGUAGES

- 2011-2012 Italian: "Dante Alighieri di Ramos Mejía" Association (level B1 of Common European Framework of Reference for Languages).
- 2008-2009 Portuguese: University of Buenos Aires, Faculty of Philosophy and Literature's Language Laboratory (levels 1 and 2 passed); National University of La Matanza (level 3 passed).
- 2006 English: Cambridge ESOL – First Certificate in English (grade: A).

COURSES COMPLETED

- 2019 "Network Science (Human and Social)". Institute of Calculus, Faculty of Exact and Natural Sciences, UBA.

- 2019 "Social Data Models: Theory, Applications and Critical Analysis". Institute of Calculus, Faculty of Exact and Natural Sciences, UBA.
- 2018 "Neurosciences and Public Policies". School of Government, University Torcuato Di Tella.
- 2017 31st Computer Science School. "Bayesian Models in Machine Learning" and "Sorting of brain states using functional neuroimaging" courses. Department of Computer Science, Faculty of Exact and Natural Sciences, UBA.
- 2017 "General Linear Models in R". Centro de vinculación de Formación Académica Docente Continua, Faculty of Exact, Physical and Natural Sciences, National University of Córdoba.
- 2016 "Introduction to Cognitive and Computational Neuroscience". Department of Computer Science, Faculty of Exact and Natural Sciences, UBA.
- 2012 "Biotechnology I". Microbiology, Immunology and Biotechnology Department, Faculty of Pharmacy and Biochemistry, UBA.
- 2012 "Intensive Introductory Perl Programming course". Leloir Institute Foundation & Technical University of Denmark. Buenos Aires, June 4-7th.
- 2009 Attended postgraduate theoretical-practical course "Molecular Biology Tools, Directed Mutagenesis and their Application to the Study of Protein Structure and Function". Biological Chemistry Department, Faculty of Pharmacy and Biochemistry, UBA.
- 2009 Education and Training Course for Teachers "General Biological Chemistry Practices". Department of Biological Chemistry, Faculty of Pharmacy and Biochemistry, UBA.

IN-HOUSE SEMINARS

- 2020 "Learning to code: how's and why's". iSearch Lab's Annual International Retreat. Schloss Ringberg, Munich. January, 2020.
- 2019 "Visual perception card game SET: performance determinants and peer tutoring". Neuroscience Laboratory, University Torcuato Di Tella.
- 2018 "Pequeños Maestros. Enseñanza entre pares de lenguajes de programación". Centro de Neurociencias de Cuba (CNEURO), Havana. December, 2018.
- 2018 "Kids teaching kids. Peer tutoring of programming languages". iSearch Research Group, Max Planck Institute for Human Development, Berlin.
- 2017 "Peer tutoring of a programming language: methodology and preliminary results". Neuroscience Laboratory, University Torcuato Di Tella.
- 2016 "Peer tutoring and programming skills". Neuroscience Laboratory, University Torcuato Di Tella.
- 2016 "Little Teachers: Children help their peers understand the Earth". Neuroscience Laboratory, UTDT.
- 2015 "Peer tutoring in changing children's models of the Earth". Neuroscience Laboratory, UTDT.
- 2015 "Peer tutoring and conceptual change". Neuroscience Laboratory, UTDT.

COMPUTER SKILLS

- Advanced knowledge and experience in Python and Matlab.
- Some knowledge and experience in SQL, R, JavaScript, PHP, Bash, VBA, Perl, HTML, LaTeX, XML, JSON, among others.
- Intermediate experience in computer networks, including SSH, HTTP, DNS, REST APIs, etc.
- Some experience in home automation with Raspberry Pi and Arduino.

OTHER JOB EXPERIENCES

- 2010-2011 Intern at "Alejandro Posadas" National Hospital and "José de San Martín" University Hospital laboratories of Clinical Chemistry, Endocrinology and Hematology.

2008-2009 PAREXEL International CRO (Clinical Research Organization). Assistant in Quality, Process and Training (QPT) area of Clinical Logistics Services department.

2006-2007 TeleTech Argentina. Customer service telephone representative for Office Depot USA.