

Curriculum Vitae

Eliana Nicolaisen Sobesky



1. Personal Information

Citation: Nicolaisen-Sobesky, E.

Gender: Female

Place of birth: Ciudad de Salto, Departamento de Salto, Uruguay

Date of birth: 10/05/1992

Citizenship: Uruguayan/Polish

Address: Apto. 3 2264, Ángel Rodríguez st, PC 11800, Montevideo, Uruguay

Phone number: +598 99 525786

e-mail: elinicolaisen@gmail.com

2. Workplace Information

Work center: Center of Basic Research in Psychology (CIBPsi), Facultad de Psicología, Universidad de la República (UdelaR)

Work address: 1674, Tristán Narvaja st. PC 11200, Montevideo, Uruguay

Work Phone: +598 2400 8555 - 285

3. Academic Degrees

2017-till date **Master in Cognitive Science**

Facultad de Psicología, Facultad de Ciencias and Facultad de Ingeniería of the Universidad de la República, Uruguay

Thesis title: *Electroencephalographic Event-Related Potentials during social interactions in people with symptoms of Major Depression and/or Social Anxiety*

Thesis advisor: PhD Victoria Gradin

Thesis co-advisor: PhD Álvaro Cabana

Thesis place: Center of Basic Research in Psychology, Facultad de Psicología, Universidad de la República

Expected completion: November, 2019

2012-2017 **Bachelor Degree in Human Biology**

Neuroscience specialization

Facultad de Ciencias, Facultad de Humanidades y Ciencias de la Educación, Facultad de Medicina and Facultad de Odontología, Universidad de la República, Montevideo, Uruguay

Thesis title: *Neural activation associated to social interactions in major depression: Event-related potentials during the Ultimatum Game*

Thesis key words: Major Depression, Medial Frontal Negativity, social interactions

Thesis place: Center of Basic Research in Psychology, Facultad de Psicología, Universidad de la República (UdelaR)

Thesis advisor: PhD. Victoria Gradin
Thesis co-advisor: PhD. Álvaro Cabana
Degree advisor: PhD. Cecilia Scorza

4. Technical skills

- Electroencephalographic (EEG) data acquisition and analysis (Event-Related Potentials, Principal Component Analysis, Time-Frequency analysis, Frequency analysis)
- Programming skills in MATLAB, Python and RStudio
- Data analysis in Excel, SPSS and RStudio
- Statistics (Mixed Linear Models, parametric statistics, randomization tests)
- Experimental psychology
- Design of experimental paradigms (tasks) in cognitive science for human volunteers

5. Publications

5.a. Scientific articles

Social avoidance in depression: A study using a social decision-making task.

Fernández-Theoduloz, G., Paz, V., Nicolaisen-Sobesky, E., Pérez, A., Buunk, A. P., Cabana, Á., & Gradin, V. B. (2019). *Journal of Abnormal Psychology*, 128(3), 234-244. DOI: [10.1037/abn0000415](https://doi.org/10.1037/abn0000415)

Effect of self-esteem on social interactions during the Ultimatum Game.

Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Cabana, Á., Gradin, V.B. *Psychiatry Research*, 252, 247-255. Year: 2017
DOI: [10.1016/j.psychres.2016.12.063](https://doi.org/10.1016/j.psychres.2016.12.063)

5.b Scientific articles in preparation

Electroencephalographic Event-Related Potentials during social interactions in people with symptoms of Major Depression and/or Social Anxiety

Nicolaisen-Sobesky, E.; Paz, V.; Fernández-Theoduloz, G.; Cervantes Constantino, F.; Pérez, A.; Martínez-Montes, E.; Kessel, D.; Cabana, Á.; Gradin, V.B

Neural basis of social comparisons in depression/social anxiety using Electroencephalography

Paz, V.; Nicolaisen-Sobesky, E.; Fernandez-Theoduloz, G.; Pérez, A.; Cervantes Constantino, F.; Kessel, D.; Cabana, Á.; Gradin V.B.

Neural signals relating future cooperation from prisoner's dilemma feedback are outcome-contingent and predict speed of reciprocation

Cervantes Constantino, F; Garat, S.; Nicolaisen-Sobesky, E.; Paz, V.; Martínez-Montes, E.; Kessel, D.; Cabana, Á.; Gradin V.B.

(Submitted)

5.c. Chapter

Decision making in Introduction to Cognitive Psychology Manual. PhD. Alejandro Vásquez, ed. Editorial CSE.

Gradin, V.B., Fernández Theoduloz, G., Paz, V., Nicolaisen-Sobesky, E.

In preparation

6. Complementary formation

2019 V Latin American Summer School in Computational Neuroscience

Special topic: Complex systems and network connectivity

Place: Universidad Técnica Federico Santa María & Instituto de Sistemas Complejos de Valparaíso, Valparaíso, Chile

2017 Introduction to probability and data

Duke University through Coursera

Score: 94.3%

2016 Second Summer School in Introduction to Antarctic Research

Place: General Artigas Station, King George Island, South Shetland

Organization: Facultad de Ciencias, Universidad de la República; Uruguayan Antarctic Institute

7. Languages

- *Spanish:* Mother tongue
- *English:* IELTS test overall score: 7.0
(Listening: 6.0; Reading: 8.0; Writing: 7.5; Speaking: 7.0)
Date: 2nd December, 2017
- *Portuguese:* Basic

8. Work experience

8.a. Research

04/2019 – 07/2019 **Student assistant** – 15 hours/week
Academic management in the Center of Basic Research in Psychology (CIBPsi), Facultad de Psicología, Universidad de la República (UdelaR)

04/2017 - till date **Student research assistant** – G^o1, 20 hours/week.
Project title: Study of the neural bases of major depression using electroencephalography, neuroimaging and neural connectivity
Funding: Sectorial Commission for Science Research - Research and Development projects (CSIC-I+D)
Project leaders: PhD. Victoria Gradin & PhD. Álvaro Cabana
Center of Basic Research in Psychology (CIBPsi), Facultad de Psicología, Universidad de la República (UdelaR)

- 08/2018 - 12/2018 **Student research assistant – G°1**, 20 hours/week.
 Department of Integrative and Computational Neuroscience
 Neuroscience Division
 Instituto de Investigaciones Biológicas Clemente Estable
Project title: Electroencephalographical correlates of symbolic functions in humans
Principal Investigator: Dr. Ángel Caputi
- 2013 - till date **Member of research group: Decision making and neural basis of mental disorders**
 Center of Basic Research in Psychology, Facultad de Psicología, Universidad de la República (UdelaR)
 This research group aims to contribute to the understanding of neural and behavioural mechanisms underlying mental disorders. This group uses techniques of experimental psychology, psychophysiology, neuroimaging and mathematical models of brain function.
Members: PhD. Victoria Gradin (Laboratory head), PhD. Álvaro Cabana, Alfonso Pérez, MSc. Gabriela Fernández Theoduloz, MSc. Valentina Paz, BSc. Eliana Nicolaisen, Alejo Acuña
- 06/2015 - 12/2016 **Student research assistant – G°1**, 20 hours/week
Project title: Study of decision making associated to social interactions in major depression using behavioural interactive tasks based in paradigms from neuroeconomics
Project leader: PhD. Victoria Gradin
 Center of Basic Research in Psychology (CIBPsi), Facultad de Psicología, Universidad de la República
- 07/2014 - 12/2014 **Student research fellow – G°1**, 21 hours/week
Project title: Variations in oxytocin system associated to affective and behavioural alterations in early postpartum in women
Project leader: PhD. Daniel Olazábal
 Behavioural and molecular neurosciences laboratory, Department of Physiology, Facultad de Medicina, Universidad de la República
- 03/2014 - 12/2014 **Member of the student research project: Self-esteem: Does it affect how we behave in a social context?**
 Center of Basic Research in Psychology (CIBPsi), Facultad de Psicología, Universidad de la República
Funding: Student Research Support Program, Sectorial Commission for Science Research (PAIE-CSIC)
Advisor: PhD. Victoria Beatriz Gradin Iade
Team members: MSc. Valentina Paz, BSc Eliana Nicolaisen, Stefany Horta, Ernestina Collado, Patricia Berriolo, Lic. Claudio Rey, Mauricio Díaz, Lic. Marcelo Otón, Lic. Manuel Rivero,

Alfonso Pérez, MSc. Gabriela Fernández Theoduloz, PhD.
Álvaro Cabana

8.b Teaching

- 03/2016 – 06/2019 **Social interactions in mental disorders**
Optional. Methodological module, graduation cycle, 7th semester,
Degree in Psychology, Universidad de la República
Leader teacher: PhD Victoria Gradin
Assistant teachers: BSc. Eliana Nicolaisen, Laura Uriarte, Alejo
Acuña
Guest Teachers: MSc. Valentina Paz, PhD. Francisco Cervantes
- 08/2017 - 12/2017 **Cognitive processes I**
Psychology module, initial cycle, 2nd semester, Degree in
Psychology, Universidad de la República
Leader professors: PhD. Karina Curione, PhD. Alejandro Maiche,
PhD. Alejandra Carboni, PhD. Alejandro Vasquez, Mag. Karen
Moreira, PhD. Victoria Gradin,
Assistant teachers: BSc. Eliana Nicolaisen, MSc. Valentina Paz,
BSc. Germán Cipriani, PhD. Ana Pires, MSc. Hernán Delgado,
PhD. Verónica Nin
- 09/2017 - 09/2017 **Interdisciplinary study of mental disorders**
Module articulation of knowledge, graduation cycle, 8th semester,
Degree in Psychology, Universidad de la República
Leader teacher: MSc. Gabriela Fernández Theoduloz
Guest teachers: BSc. Eliana Nicolaisen & MSc. Valentina Paz
- 2015 - 2015 **Advisor assistant in experimental psychology internship**
Internship of Degree in Psychology
Project title: *Do interpersonal problems vary in relation with
age?*
Place: Center of Basic Research in Psychology, Facultad de
Psicología, Universidad de la República
Advisor: PhD. Victoria Gradin
Student name: Lic. Cecilia Casagrande
- 08/2015 - 12/2015 **Neural mechanisms in mental disorders**
Optional. Methodological module, graduation cycle, 7th semester,
Degree in Psychology, Universidad de la República
Leader teacher: PhD Victoria Gradin
Assistant teachers: MSc. Gabriela Fernández, MSc. Valentina Paz
& BSc. Eliana Nicolaisen

9. Scholarships & awards

- 2019 **Travel grant** to attend the *25th Annual Meeting of the Organization for Human Brain Mapping* in Rome, Italy (June 2019)
Funding: Sectorial Commission for Science Research (CSIC)
- 2019 **Travel grant** to attend the *V Latin American Summer School in Computational Neuroscience* in Valparaíso, Chile (January 2019)
Funding: Sectorial Commission for Science Research (CSIC)
- 2014 **Student Research Support Program**, Sectorial Commission for Science Research (PAIE-CSIC).
Project title: Self-esteem: Does it affect how we behave in a social context?
Place: Center of Basic Research in Psychology, Facultad de Psicología, Universidad de la República
Research advisor: PhD. Victoria Beatriz Gradin Iade
Students: MSc. Valentina Paz, BSc Eliana Nicolaisen, Stefany Horta, Ernestina Collado, Patricia Berriolo, Lic. Claudio Rey, Mauricio Díaz, Lic. Marcelo Otón, Lic. Manuel Rivero
- 2014 **Best poster award at National Workshop in Human Biology**
Title: Self-esteem: Does it affect how we behave in a social context?
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.
- 2014 **Best poster award at National Workshop in Cognitive Sciences**
Title: Self-esteem: Does it affect how we behave in a social context?
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.

10. Presentations in events & congresses

- 06/2019 **25th Organization for Human Brain Mapping (OHBM) Annual Meeting**
Place: Rome, Italy
Title: Event-Related Potentials during fair and unfair social interactions in Depression/Social Anxiety
Authors: Nicolaisen-Sobesky, E.; Paz, V.; Fernández-Theoduloz, G.; Cervantes, F.; Pérez, A.; Martínez-Montes, E.; Kessel, D.; Cabana, Á.; Gradin V.B.

- 06/2019 **25th Organization for Human Brain Mapping (OHBM) Annual Meeting**
Place: Rome, Italy
Title: *Neural basis of social comparisons in depression/social anxiety using Electroencephalography*
Authors: Paz, V.; Nicolaisen-Sobesky, E.; Fernandez-Theoduloz, G.; Pérez, A.; Cervantes, F.; Kessel, D.; Cabana, Á.; Gradin V.B.
- 06/2019 **25th Organization for Human Brain Mapping (OHBM) Annual Meeting**
Place: Rome, Italy
Title: *Betrayal or engagement: EEG time indices of cooperation at the prisoner's dilemma*
Authors: Cervantes Constantino, F; Garat, S.; Nicolaisen-Sobesky, E.; Paz, V.; Martínez-Montes, E.; Kessel, D.; Cabana, Á.; Gradin V.B.
- 10/2018 **1st International Congress of Psychology**
Place: Montevideo, Uruguay
Title: *Neural activations of social comparison in people with social anxiety/depression*
Authors: Paz, Valentina; Nicolaisen-Sobesky, Eliana; Fernández-Theoduloz, Gabriela; Perez, Alfonso; Cervantes, Francisco; Kessel, Dominique; Cabana, Álvaro; Gradin, Victoria
Type: Poster
- 10/2018 **1st International Congress of Psychology**
Place: Montevideo, Uruguay
Title: *Neural bases of cooperative behavior: electroencephalography of the "Prisoner's Dilemma"*
Authors: Cervantes, Francisco; Garat, Santiago; Nicolaisen-Sobesky, Eliana; Paz, Valentina, Gabriela Fernández-Theoduloz, Alfonso Pérez, Dominique Kessel, Álvaro Cabana, Victoria Gradin
Type: Oral presentation
- 11/2017 **Neuroscience 2017, Society for Neuroscience**
Place: Washington, DC, The United States of America.
Title: *Evoked potentials of social comparisons in people with social anxiety/depression*
Authors: Paz, V., Nicolaisen-Sobesky, E., Fernandez-Theoduloz, G., Garat, S., Nievas, O., Pérez, A., Cervantes, F., Kessel, D., Cabana, A. & Gradin, VB.
Type: Poster
- 11/2017 **Psychology Research Symposium**
Place: Universidad Católica del Uruguay, Montevideo, Uruguay
Title: *Neural dynamics during risks and benefits of cooperation in social interactions*

Authors: Francisco Cervantes, Santiago Garat, Eliana Nicolaisen,
Valentina Paz, Gabriela Fernández, Alfonso Pérez, Dominique Kessel,
Álvaro Cabana, Victoria Gradin
Type: Poster

- 03/2017 **Second Latin American Brain Mapping Network Meeting (LABMAN)**
Place: Cultural Center of Science, Buenos Aires, Argentina
Title: *Neural activation associated to social interactions in major depression: A study using event related potentials during the Ultimatum Game*
Authors: Nicolaisen-Sobesky, E.; Paz, V.; Fernández-Theoduloz, G.; Nievas, O.; Garat, S.; Pérez, A.; Kessel, D.; Cabana, Á.; Gradin, VB.
Type: Poster
- 03/2017 **Second Latin American Brain Mapping Network Meeting (LABMAN)**
Place: Cultural Center of Science, Buenos Aires, Argentina
Title: *Evoked potentials of social comparisons in people with social anxiety/depression*
Authors: Paz, V., Nicolaisen-Sobesky, E., Fernandez-Theoduloz, G., Garat, S., Nievas, O., Pérez, A., Kessel, D., Cabana, A. & Gradin, VB.
Type: Poster
- 09/2016 **IV National Workshop in Human Biology**
Degree in Human Biology, Facultad de Ciencias, Universidad de la República (UdelaR)
Title: *Neural basis of cooperation and competence: a pilot study using electroencephalography and the Prisoner's Dilemma task*
Authors: Garat Sarli, S; Nicolaisen-Sobesky, E., Paz, V., Pérez, A., Fernández-Theoduloz, G., Cabana, Á., Gradin, V. B.
Type: Poster
- 09/2016 **IV National Workshop in Human Biology**
Degree in Human Biology, Facultad de Ciencias, Universidad de la República (UdelaR)
Title: *Neural activation associated to social interactions during the Ultimatum Game: a study using electroencephalography*
Authors: Nicolaisen-Sobesky, E., Paz, V., Garat, S., Pérez, A., Fernández-Theoduloz, G., Cabana, Á., Gradin, VB.
Type: Poster
- 11/2015 **11th Annual NEI Psychopharmacology Congress**
Neuroscience Education Institute
Place: Orlando, The United States of America
Title: *Study of decision making associated to social interactions in depression using an interactive behavioural task*

Authors: Fernández Theoduloz, G., Paz, V., Nicolaisen Sobesky, E., Cabana, A., & Gradin, V.B.
Type: Poster

- 09/2015 **V National Workshop in Animal Behaviour**
Facultad de Ciencias, Facultad de Agronomía, Facultad de Veterinaria (UdelaR), e Instituto de Investigaciones Biológicas Clemente Estable.
Place: Facultad de Ciencias, Universidad de la República (UdelaR).
Title: *Does self-esteem affect social interactions?*
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.
Type: Poster
- 07/2015 **9th world congress of the International Brain Research Organization**
Place: Rio de Janeiro, Brazil
Title: *Self-esteem: Does it affect how we behave on a social context?*
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.
Type: Poster
- 05/2015 **First National Meeting of Cognitive Sciences**
Laboratorio de Neurociencia Integrativa, Laboratorio de Inteligencia Artificial Aplicada, Universidad de San Andrés, Centro de Epilepsia-Hospital Ramos Mejía y CONICET
Place: Universidad de Buenos Aires, Argentina
Title: *Self-esteem: Does it affect how we behave in a social context?*
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.
Type: Poster
- 05/2015 **2015 Closing exposition of the Student Research Support Program of Sectorial Commission for Science Research.**
Place: Instituto Nacional de Juventud, Montevideo, Uruguay.
Title: *Self-esteem: Does it affect how we behave in a social context?*
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.
Type: Poster
- 12/2014 **Research Workshop of the Center of Basic Research in Psychology**
Place: Facultad de Psicología, Universidad de la República (UdelaR)
Title: *Self-esteem: Does it affect how we behave in a social context?*
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.

Type: Poster

- 09/2014 **XV Workshop of the Uruguayan Society of Biosciences**
Place: Maldonado, Uruguay
Title: *Self-esteem: Does it affect how we behave in a social context?*
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.
Type: Poster
- 09/2014 **III National Workshop in Human Biology**
Degree in Human Biology, Centro Universitario Tacuarembó, Universidad de la República
Place: Tacuarembó, Uruguay
Title: *The human behaviour in a social context. Is it affected by self-esteem?*
Authors: Paz, V., Nicolaisen Sobesky, E., Horta, S., Collado, E., Berriolo, P., Rey, C., Díaz, M., Otón, M., Rivero, M, Pérez, A., Fernández Theoduloz, G., Gradin, V.B.
Type: Poster

11. Attendance at other events, workshops, congresses and symposia

- 06/2015 **9th World Congress of the International Brain Research Organization**
Rio de Janeiro, Brazil
- 06/2015 **The Neural Basis of Depression Workshop**
Instituto Oswaldo Cruz. Rio de Janeiro, Brazil
- 06/2015 **Thalamus & Thalamo-cortical Interactions**
Satellite Event International Symposium. 9th World Congress of the International Brain Research Organization
Rio de Janeiro, Brazil
- 09/2014 **XV Workshop of the Uruguayan Society of Biosciences**
Maldonado, Uruguay
- 10/2014 **XIII Scientific Workshop: Health attendance: What are we omitting?**
Psycho-neuro-immuno-endocrinology Uruguayan Society
Montevideo, Uruguay
- 09/2012 **XIV Workshop of the Uruguayan Society of Biosciences**
Maldonado, Uruguay
- 11/2012 **I National Workshop in Human Biology**
Montevideo, Uruguay

12. Media interviews

05/2018 Radio interview in Radio Oceano FM
Program title: Justicia Infinita: ¿Qué estudian los que estudian?
(Infinite justice: what do study those who study?)
Interview title: La tecnología al servicio de la psicología. (Technology in service of psychology)
Interviewed: BSc Eliana Nicolaisen and MSc. Valentina Paz

13. Other activities

2015-till date **Interactive activities in Brain Awareness Week**
Uruguayan Society of Neuroscience
Scientific divulgation of neuroscience to society by means of talks, poster presentations and interactive activities
Montevideo, Uruguay
<https://www.semanadelcerebro.org/index.html>

15. Academic references

PhD Victoria Beatriz Gradin Iade

Academic position: Junior Professor. Head of the research group "Decision Making and Neural Basis of Mental Disorders".

Institution: Faculty of Psychology, Universidad de la República, Montevideo, Uruguay

Address: 1674 Tristán Narvaja, Montevideo, 11200, Uruguay. Center for Basic Research in Psychology (Centro de Investigación Básica en Psicología, CIBPsi), Faculty of Psychology, - Universidad de la República (UdelaR).

URL: <http://cibpsi.psico.edu.uy/es/users/vgradin#profile-main>

Telephone Number: (00) 598 2 4008555 285

e-mail: victoriagradin@gmail.com

PhD Álvaro Jesús Cabana Fajardo

Academic position: Junior Professor and Director of the Center of Basic Research in Psychology

Institution: Faculty of Psychology, Universidad de la República, Montevideo, Uruguay

Address: 1674 Tristán Narvaja, Montevideo, 11200, Uruguay. Center for Basic Research in Psychology (Centro de Investigación Básica en Psicología, CIBPsi), Faculty of Psychology, - Universidad de la República (UdelaR).

URL: <https://psico.edu.uy/user/524>

Telephone Number: (00) 598 2 4008555 285

e-mail: almadana@gmail.com