

SYLVIA PINHEIRO

CURRICULUM VITAE

PROFILE

I examine how children learn social behaviors, particularly within the virtual environment. I also communicate scientific knowledge to nonacademic audiences via illustration and game-based activities.

INTERESTS

- Cognitive Development
- Neuroeconomics
- Social psychology
- Game development
- Science communication and outreach
- Graphic arts

CONTACT:

Email: 17sgdv@queensu.ca

The Social Cognition Lab
Craine Building, Room 215
Department of Psychology,
Queen's University
Kingston, Ontario K7L 3N6
Canada

EDUCATION

DOCTOR OF PHILOSOPHY (PSYCHOLOGY)

Queen's University | 2018-present

Area: Developmental Psychology

Dissertation: Prosocial behaviour online - sharing and social norms in a virtual setting (*In progress*)

Supervisor: Dr. Valerie Kuhlmeier

MASTER OF SCIENCE (NEUROSCIENCE)

Federal University of Rio Grande do Norte | 2014-2016

Area: Neurobiology of cognition and systems

Master's thesis: Speech graph analysis of literary texts:

Investigation of psychotic traits

Supervisors: Dr. Sidarta Ribeiro and Dr. Mauro Copelli

TEACHING DEGREE (BIOLOGY)

Federal University of Rio Grande do Norte | 2013-2015

BACHELOR OF SCIENCE (BIOLOGY)

Federal University of Rio Grande do Norte | 2009-2012

Graduation thesis: Role of CREB in cell cycle and survival on the development of the central nervous system.

Supervisor: Dr. Marcos Costa

TEACHING EXPERIENCE

TEACHING ASSISTANTSHIPS

Queen's University | 2019-present

Developmental Psychology (2019, 2021)

Psycholinguistics (2020, 2021)

Federal University of Rio Grande do Norte | 2010, 2014

Science Communication (2014)

Biophysics (2010, 2011)

COMPUTER PROGRAMMING:

- R Studio (Intermediate)
- Construct (Basic)
- Python (Basic)

GRAPHIC DESIGN TOOLS:

- Adobe Illustrator
- Adobe Photoshop
- Procreate
- Canva

LANGUAGE

- Portuguese (Native)
- English (Fluent)
- Spanish (Basic)

RESEARCH EXPERIENCE

PROJECTS

The Social Cognition Lab - Queen's University | 2018-present

Ph.D. Training.

Project: Collaboration in the virtual world (in progress).

Memory, Sleep and Dreams Lab - UFRN | 2014 - 2016

M.Sc. training.

Project: Graph analysis of literature texts - studying evolution of language.

Neurocell Lab - UFRN | 2011 - 2012

Research Assistant & Thesis Student

Project: Morphologic analysis of cortical neurons after CREB signaling manipulation

VOLUNTEERING

SCIENCE COMMUNICATION AND OUTREACH

Social Cognition Lab Instagram Account | 2021-present

Social Media management and content creation.

Queen's University Child and Adolescent Development Group Circle Time | 2021

Content creation.

Science Rendezvous Kingston | 2019, 2021

Event organization and content creation.

2nd Brazilian Meeting on Evolution of Human Behavior | 2018

Event organization.

Brain Awareness Week | 2012-2017

Event organization.

STUDENT REPRESENTATION

Department of Psychology Equity, Diversity, and Inclusion (EDI) Committee | 2021-present

Graduate Student Representative

Association of the Graduate Students in Psychology (AGSIP), Queen's University | 2021-present

Social Committee Coordinator

GRANTS AND AWARDS

Queen's University Open Textbook Fund | 2020

- Queen's University Graduate Award & International Tuition Award | 2018-present

- Demanda Social - Coordenação de Aperfeiçoamento de Pessoal do Ensino Superior (CAPES - Brazil) Graduate Award | 2014-2016

- Beca CELFI - Ministerio de Ciencia Tecnología y Innovación Argentina Short-term course funding | 2015

- Iniciação Científica - Reestruturação e Expansão das Universidades Federais (REUNI - Brazil) Research Assistant Award | 2011-2012

COMPLEMENTARY EDUCATION

YourWay Program: Micro-credential in Entrepreneurship (2021-present). St Lawrence College.

Computational Neuroscience (2015). Latin American Center of Interdisciplinary Training (CELFI). University of Buenos Aires.

Latin America School for Education, Cognitive and Neural Sciences - LASchool (2015). Pontifical Catholic University of Chile.

Summer Course on Physics and Neuroscience (2014), International Institute of Physics, Federal University of Rio Grande do Norte.

PUBLICATIONS

JOURNAL ARTICLES

Published

Mota, N. B., Pinheiro, S., Guerreiro, A., Copelli, M., & Ribeiro, S. (2021). Nonsemantic word graphs of texts spanning~ 4500 years, including pre-literate Amerindian oral narratives. *Data in brief*, 38, 107296.

Pinheiro, S., Mota, N. B., Sigman, M., Fernández-Slezak, D., Guerreiro, A., Tófoli, L. F., ... & Ribeiro, S. (2020). The history of writing reflects the effects of education on discourse structure: implications for literacy, orality, psychosis, and the axial age. *Trends in Neuroscience and Education*, 100142.

Submitted

Karasewich, T., Pinheiro, S., Buchenrieder, N., Dunfield, K. A., Kuhlmeier, V. A. What Makes Comforting Difficult for Young Children? (*Journal of Experimental Child Psychology*)

LITERATURE REVIEWS

Pinheiro, S. & Kuhlmeier, V. A. (in preparation). Universal but not Equal: Sharing Behaviour is Adaptive when Conditioned to Norms

CHAPTERS IN BOOKS

Pinheiro, S. G. V. Genes, Environment and Prenatal Development (in preparation). In book: *Infancy*.

CONFERENCES

Pinheiro, S., Karasewich, T. A., Dunfield, K. A., Kuhlmeier, V. A. (2019), What makes comforting difficult for young children? Psychobiology Symposium of UFRN, Natal, Brazil.

Pinheiro, S., Karasewich, T. A., Dunfield, K. A., Kuhlmeier, V. A. (2019) What makes comforting difficult for young children? Cognitive Development Society Biennial Conference, Louisville, USA.

Pinheiro, S., Mota, N. B., Copelli, M., Cecchi, G., Slezak, D. F., Sigman, M., Ribeiro, S. (2015) - Studying mind evolution and psychopathologies using Speechgraphs on literary texts. IX International Brain Research Organization, Rio de Janeiro, Brazil.

Pinheiro, S., Mota, N. B., Copelli, M., Ribeiro, S. (2014) Studying mind evolution and psychopathologies using Speechgraphs on literary texts. Symposium of Brazilian Society of Neuroscience and Behavior. Búzios, Brazil.

Pinheiro, S., Santana, T., Costa, M.R. (2013) - Role of CREB transcription factor in on cell cycle and neuronal survival in the Central Nervous System - Symposium of Brazilian Society of Neuroscience and Behavior, Belo Horizonte, Brazil.