

# Curriculum Vitae

## CONTACT INFORMATION

Name: Arias, Juan Cruz  
Birthplace: Ushuaia, Tierra del Fuego  
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## ACADEMIC EDUCATION

### *Highschool*

Polimodal bachelor in Humanities, Natural sciences and Economy.  
Institution: Colegio Integral de Educación Ushuaia.

### *College*

Bachelor in Psychology.  
Institution: Universidad Nacional de Córdoba.  
Ongoing.

### *Languages*

First Certificate in English.  
Grade A (demonstrates an ability at Level 2 and Council of Europe Level C1).

## RESEARCH PRACTICES

Researcher in Laboratorio de Neuroimágenes, Facultad de Psicología, Universidad Nacional de Córdoba, Argentina.  
Duration: 2016 - 2017.

Researcher in Oulton Research Institute / Oylton Fundation, Córdoba, Argentina.

Member since April 2017.

Student assistant in the Introduction to Psychology class, Facultad de Psicología, Universidad Nacional de Córdoba.  
Duration: 2017-2018.

## **TEACHING AND ORGANIZING**

Co-organizer of the international online internship:  
"Brain structures and connections. Practical applications in medicine, rehabilitation, physical therapy, sports and pedagogy". H.S. Skovoroda Kharkiv National Pedagogical University. Duration: June till September 2019.

Teacher in the postgraduate course:  
"Cognitive and affective neurosciences applied to Clinical, educational and community ambits".  
Universidad del Chubut. RD2140/16.  
Duration: 2017.

Teacher in a course of the master's degree in Neuropsychology. Universidad Católica "Nuestra Señora de la Asunción", Paraguay. Course:  
"Evaluación Neuropsicológica Tractográfica".

Marino, J.; Jaldo, R; **Arias, J.C.** August 19 and 20, 2017.

Teacher in a course of the master's degree in Psychology.  
Universidad de Córdoba, España.  
Course "Magnetic resonance as a tool for research of cognitive and affective processes".  
Marino, J.; **Arias, J.C.** & Jaldo, R. January 18, 2018.

Teacher in the Diploma course in Clinical Neuropsychology.  
Instituto Mexicano de Educación e Investigación en Psicología,  
México. Course: "Integral nervous system and

neuropsychological tractographic assessment". Marino, J.; Jaldo, R; **Arias, J.C.** February 17 2018.

Teacher in the postgraduate course:

"Cognitive and affective neurosciences applied to

Clinical, educational and community ambits".

Universidad del Chubut. RD2140/16.

Duration: 2018.

## RESEARCH PUBLICATIONS

Marino, J.; Jaldo, R.; **Arias, J.C.**; Palma, R.; Oulton, C. & Foa Torres, G. (in review). Reliability of atlas-based tractographic segmentation of thalamocortical connectivity in emotional disorders. Neuropsicología Latinoamericana.

Marino, J.; Jaldo, R.; **Arias, J.C.** (in review).

Information processing speed in neuropsychological tasks and age influences. Neuropsicología Latinoamericana.

Marino, J.; **Arias, J.C.**; Jefferies, Elizabeth (in review).

Linking individual differences in semantic cognition to structural brain connectivity.

Neuropsychologia.

## BOOKS

Marino, J.; Jaldo, R. & **Arias, J.C.** (2017). Dossier NeuroChubut 2017. ISBN: 978-987-760-086-5. Ed. Brujas, Córdoba, Argentina.

Marino, J.; Jaldo, R.; **Arias, J.C.** & Sadaniowski, A. (2017). Neuropsicología cognitiva tractográfica. ISBN: 978-987-760-072-8. Ed. Brujas, Córdoba, Argentina.

Marino, J.; Jaldo, R.; **Arias, J.C.** & Palma, M.R. (2017). Neurociencia de las capacidades y los procesos cognitivos. ISBN: 978-987-4078-14-8. Encuentro Grupo Editor, Córdoba, Argentina

## BOOK CHAPTERS

Marino, J.; Zalloco, G. & **Arias, J.C.** (2017). Introduction to Diffusion Weighted Imaging Processing. In Microestructura de la Cognición - Resonancia Magnética aplicada a las Neurociencias.

**Arias, J.C.**; Tschieder, J. & Marino, J. (2017). Introduction to tractography. In Microestructura de la Cognición - Resonancia Magnética aplicada a las Neurociencias.

**Arias, J.C.** & Marino, J. (2017). Atlas based tractographic segmentation. In Microestructura de la Cognición - Resonancia Magnética aplicada a las Neurociencias.

Jaldo, R.; **Arias, J.C.** & Marino, J. (2017). Human brain connectivity atlas through ExploreDTI. In Microestructura de la Cognición - Resonancia Magnética aplicada a las Neurociencias.

## PARTICIPATION IN COURSES AND EVENTS AS LECTURER

“Diffusion tensor imaging of semantic-emotional executive control and advanced postprocessing techniques” Marino, J.; **Arias, J.C.**; Jaldo, R. In Universidad de York, York, UK. June 29 2018.

“Diffusion tensor imaging of semantic-emotional executive control and advanced postprocessing techniques” Marino, J.; **Arias, J.C.** In Reykjavik, Reykjavik, Iceland. June 26 2018.

“Brain structural connectivity in semantic-emotional

executive control: fractional anisotropy in an effortful retrieval task". Marino, J.; **Arias, J.C.**; In University Medical Center, Utrecht, the Netherlands. January 25 2018.

"Neuropsychological tractographic assessment: Methodology and applications" Marino, J.; **Arias, J.C.** & Jaldo, R. In Instituto Maimónides de Investigación Biomédica de Córdoba (IMIBIC) and in Facultad de Ciencias de la Educación, Universidad de Córdoba, España. January 10 till 22 2018.

"Registration in Diffusion Weighted Imaging Processing". Marino, J.; **Arias, J.C.** In Workshop Internacional de Neuroimágenes, Auditorio Facultad de Psicología, Universidad Nacional de Córdoba. November 16 2016.

"Subcortical Microstructure in Mild Depressive Patients: A Diffusion Tensors Imaging Study". Marino, J.; **Arias, J.C.** & Jaldo, R. In Workshop Internacional de Neuroimágenes, Auditorio Facultad de Psicología, Universidad Nacional de Córdoba. November 16 2016.

## INTERNATIONAL INTERNSHIPS

Acquisition and processing of diffusion-weighted magnetic resonance imaging. Processing & Visualization in Diffusion Imaging Laboratory (PROVIDI), Utrecht, the Netherlands. January 22 till February 9 2018.

Diffusion weighted imaging models. Processing & Visualization in Diffusion Imaging Laboratory (PROVIDI), Utrecht, the Netherlands. January 22 till February 9 2018.

## SKILLS

MATLAB.  
ExploreDTI, MRIcroN, MRIcroGL.

E-Prime.

Magnetic resonance imaging acquisition: T1, T2, DWI.

Diffusion weighted imaging processing.

Diffusion tensor and curtosis imaging.

Deterministic tractography and manual/automatic dissection.

