

## BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.  
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Ismael Luis Calandri

eRA COMMONS USER NAME (credential, e.g., agency login): IDstuff

POSITION TITLE: Asistant professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Universidad Catolica de Cordoba	MD	01/2010	Medicine
Fleni	Neurologist	05/2015	Neurology residence
Fleni	Behavioral neurologist	05/2017	Fellowship in cognitive neurology
Fleni	-	05/2016	Fellowship in cognitive neuroimaging
Universidad de Buenos Aires	MS	09/2017	Statistics for health science

## Personal Statement

As a neurologist and dementia researcher, I integrate clinical expertise with statistical methods to study Alzheimer's disease (AD) progression. My work focuses on neuroimaging<sup>1,2</sup>, cognitive trajectories, and environmental risk factors<sup>3,4</sup>, aiming to improve diagnostics and patient care, especially in vulnerable populations.

My research leverages multidimensional data to explore AD heterogeneity, particularly in low- and middle-income countries. I contribute to neuroimaging-clinical integration projects, advancing predictive models and intervention strategies. My primary interest is the development of diagnostic tools for early interventions in Alzheimer's disease in Latin American countries, combining clinical insights with statistical approaches to enhance dementia prevention efforts.

Additionally, I collaborate with the Laboratorio del Tiempo, led by Drs. Casiraghi and Spiousas, where I have contributed to the analysis of actimetry and lunar cycles in healthy subjects<sup>5</sup>. This work expands my expertise in circadian rhythms and environmental influences on human behavior, reinforcing my multidisciplinary approach to neuroscience research.

1. Germán, F., Andres, D., Leandro, U., Nicolás, N., Graciela, L., Yanina, B., Patricio, C., Adriana, Q., Cecilia, B., Ismael, C., Ismael, C., de León, M. P., Valeria, C., Feuerstein, V., Sergio, D., Ricardo, A., Henry, E., and Silvia, V. (2021). Connectivity and patterns of regional cerebral blood flow, cerebral glucose uptake, and A $\beta$ -amyloid deposition in Alzheimer's disease (early and late-onset) compared to normal ageing
2. Cubas Guillen, J. F., Chrem Méndez, P., Surace, E., Martin, M. E., Clarens, F., Russo, J., Harris, P., Egido, N., Tapajoz, F., Chaves, H., Vázquez, S., Martinetto, H., Campos, J., Calandri, I. L., Sevlever, G., and Allegri, R. F. (2024). Argentina-Alzheimer's Disease Neuroimaging Initiative: pioneering Alzheimer's Research in Latin America and its Implications for Regional Advancement
3. Calandri, I. L., Livingston, G., Paradela, R., Ossenkoppele, R., Crivelli, L., Allegri, R. F., and Suemoto, C. K. (2024). Sex and socioeconomic disparities in dementia risk: A population-attributable fraction analysis in Argentina

- 4.
5. Casiraghi, L., Spiouas, I., Dunster, G. P., McGlothlen, K., Fernández-Duque, E., Vallengia, C., and de la Iglesia, H. O. (2021). Moonstruck sleep: Synchronization of human sleep with the moon cycle under field conditions

## Positions and Honors

### Positions and Employment

2024–	Associate Research Professor, Universidad de San Andres, Buenos Aires, Argentina
2017–	Assistant professor on statistics and research methodology, Universidad Maimonides, Buenos Aires, Argentina
2015–	Associate Professor of Clinical Neurology, Universidad de Buenos Aires, Buenos Aires, Argentina
2015–2022	Assistant Professor of Aphasiology and neuropsychology, Universidad del Salvador, Buenos Aires, Argentina

### Other Experience and Professional Memberships

2018–	Statistician leader, Fleni, Buenos Aires, Argentina
2018–	LatAm-FINGERS, Executive committee member, Buenos Aires, Argentina
2023–	iLEADS-Argentina, coPI
2015–	ADNI-Argentina, subPI

### Honors

2024	Prof Dr J M Ramos Mejia Research Award, Neurological Society of Argentina
2017	Prof Dr J M Ramos Mejia Research Award, Neurological Society of Argentina
2014	Sociedad Neurologica Argentina Best Research Award, Neurological Society of Argentina
2010	Summa cum laude, Universidad catolica de Cordoba, Argentina

## Contribution to Science

1. My line of work has focused on identifying clinical markers of typical and atypical forms of Alzheimer's disease in Latin America in collaboration with global networks.
  - a. Calandri, I. L., Crivelli, L., Morello Garcia, F., and Allegri, R. F. (2023). Utility of a Spanish version of Three Words-Three Shapes Test to detect memory impairment in primary progressive aphasia
  - b. Chappelle, M., La Joie, R., Yong, K., Agosta, F., Allen, I. E., Apostolova, L., Best, J., Boon, B. D. C., Crutch, S., Filippi, M., Fumagalli, G. G., Galimberti, D., Graff-Radford, J., Grinberg, L. T., Irwin, D. J., Josephs, K. A., Mendez, M. F., Mendez, P. C., Migliaccio, R., Miller, Z. A., Montembeault, M., Murray, M. E., Nemes, S., Pelak, V., Perani, D., Phillips, J., Pijnenburg, Y., Rogalski, E., Schott, J. M., Seeley, W., Sullivan, A. C., Spina, S., Tanner, J., Walker, J., Whitwell, J. L., Wolk, D. A., Ossenkoppele, R., Rabinovici, G. D., and PCA International Work Group (2024). Demographic, clinical, biomarker, and neuropathological correlates of posterior cortical atrophy: an international cohort study and individual participant data meta-analysis
  - c. Bergeron, D., Gorno-Tempini, M. L., Rabinovici, G. D., Santos-Santos, M. A., Seeley, W., Miller, B. L., Pijnenburg, Y., Keulen, M. A., Groot, C., van Berckel, B. N. M., van der Flier, W. M., Scheltens, P., Rohrer, J. D., Warren, J. D., Schott, J. M., Fox, N. C., Sanchez-Valle, R., Grau-Rivera, O., Gelpi, E., Seelaar, H., Papma, J. M., van Swieten, J. C., Hodges, J. R., Leyton, C. E., Piguet, O., Rogalski, E. J., Mesulam, M. M., Koric, L., Kristensen, N., Pariente, J., Dickerson, B., Mackenzie, I. R., Hsiung, G.-Y. R., Belliard, S., Irwin, D. J., Wolk, D. A., Grossman, M., Jones, M., Harris, J., Mann, D., Snowden, J. S., Chrem-Mendez, P., Calandri, I. L., Amengual, A. A., Miguët-Alfonsi, C., Magnin, E., Magnani, G., Santangelo, R., Deramecourt, V., Pasquier, F., Mattsson, N., Nilsson, C., Hansson, O., Keith, J., Masellis, M., Black, S. E., Matías-Guiu, J. A., Cabrera-Martin, M.-N., Paquet, C., Dumurgier, J., Teichmann, M., Sarazin, M., Bottlaender, M., Dubois, B., Rowe, C. C., Villemagne, V. L., Vandenberghe, R., Granadillo, E., Teng, E., Mendez, M., Meyer, P. T., Frings, L., Lleó, A., Blesa, R., Fortea, J., Seo, S. W., Diehl-Schmid, J.,

Grimmer, T., Frederiksen, K. S., Sánchez-Juan, P., Chételat, G., Jansen, W., Bouchard, R. W., Laforce, Jr, R., Visser, P. J., and Ossenkoppele, R. (2018). Prevalence of amyloid- $\beta$  pathology in distinct variants of primary progressive aphasia

- d. Pomilio, C., Pérez, N. G., Calandri, I., Crivelli, L., Allegri, R., ADNI Alzheimer's Disease Neuroimaging Initiative, Sevlever, G., and Saravia, F. (2022). Diabetic patients treated with metformin during early stages of Alzheimer's disease show a better integral performance: data from ADNI study
- e. Méndez, P. C., Calandri, I., Nahas, F., Russo, M. J., Demey, I., Martín, M. E., Clarens, M. F., Harris, P., Tapajoz, F., Campos, J., Surace, E. I., Martinetto, H., Ventrice, F., Cohen, G., Vázquez, S., Romero, C., Guinjoan, S., Allegri, R. F., and Sevlever, G. (2018). Argentina-Alzheimer's disease neuroimaging initiative (Arg-ADNI): neuropsychological evolution profile after one-year follow up

2. My other line of work has primarily focused on identifying risk factors and developing non-pharmacological strategies for early intervention.

- a. Kivipelto, M., Mangialasche, F., Snyder, H. M., Allegri, R., Andrieu, S., Arai, H., Baker, L., Belleville, S., Brodaty, H., Brucki, S. M., Calandri, I., Caramelli, P., Chen, C., Chertkow, H., Chew, E., Choi, S. H., Chowdhary, N., Crivelli, L., Torre, R. D. L., Du, Y., Dua, T., Espeland, M., Feldman, H. H., Hartmanis, M., Hartmann, T., Heffernan, M., Henry, C. J., Hong, C. H., Håkansson, K., Iwatsubo, T., Jeong, J. H., Jimenez-Maggiora, G., Koo, E. H., Launer, L. J., Lehtisalo, J., Lopera, F., Martínez-Lage, P., Martins, R., Middleton, L., Molinuevo, J. L., Montero-Odasso, M., Moon, S. Y., Morales-Pérez, K., Nitrini, R., Nygaard, H. B., Park, Y. K., Peltonen, M., Qiu, C., Quiroz, Y. T., Raman, R., Rao, N., Ravindranath, V., Rosenberg, A., Sakurai, T., Salinas, R. M., Scheltens, P., Sevlever, G., Soininen, H., Sosa, A. L., Suemoto, C. K., Tainta-Cuezva, M., Velilla, L., Wang, Y., Whitmer, R., Xu, X., Bain, L. J., Solomon, A., Ngandu, T., and Carrillo, M. C. (2020). World-Wide FINGERS Network: A global approach to risk reduction and prevention of dementia
- b. Crivelli, L., Calandri, I. L., Suemoto, C. K., Salinas, R. M., Velilla, L. M., Yassuda, M. S., Caramelli, P., Lopera, F., Nitrini, R., Sevlever, G. E., Sosa, A. L., Acosta, D., Baietti, A. M. C., Cusicanqui, M. I., Custodio, N., De Simone, S. D., Derio, C. D., Duque-Peñailillo, L., Duran, J. C., Jiménez-Velázquez, I. Z., Leon-Salas, J. M., Bergamo, Y., Clarens, M. F., Damian, A., Demey, I., Helou, M. B., Márquez, C., Martín, M. E., Martín, M. d. G. M., Querze, D., Surace, E. I., Acosta-Egea, S., Aguirre-Salvador, E., de Souza, L. C., Cançado, G. H. d. C. P., Brucki, S. M. D., Friedlaender, C. V., Gomes, K. B., Gutierrez, M., Ríos, C. L., Galindo, J. G. M., Montesinos, R., Nuñez-Herrera, A., Ospina-Henao, S., Rodríguez, G., Masson, V. R., Sánchez, M., Schenk, C. E., Soto, L., Barbosa, M. T., Tosatti, J. A. G., Vicuña, Y., Espeland, M., Hakansson, K., Kivipelto, M., Baker, L., Snyder, H., Carrillo, M., and Allegri, R. F. (2023). Latin American Initiative for Lifestyle Intervention to Prevent Cognitive Decline (LatAm-FINGERS): Study design and harmonization
- c.
- d. Paradela, R. S., Calandri, I., Castro, N. P., Garat, E., Delgado, C., Crivelli, L., Yaffe, K., Ferri, C. P., Mukadam, N., Livingston, G., and Suemoto, C. K. (2024). Population attributable fractions for risk factors for dementia in seven Latin American countries: an analysis using cross-sectional survey data
- e. Calandri, I. L., Crivelli, L., Martín, M. E., Egido, N., Guimet, N. M., and Allegri, R. F. (2020). Environmental factors between normal and superagers in an Argentine cohort

## **Complete List of Published Work in MyBibliography:**

[url](#)

### **A. Research Support**

#### **Ongoing Research Support**

24AARG-D-1246942 Custodio, Nilton - Calandri, Ismael 07/2024 -

Resilience in Andean American Indigenous with Alzheimer's disease

Evaluate the impact of risk factors on brain resilience to Alzheimer's disease using neuroimaging within a Mendelian randomization model.

Role: coPI

SG-22-1009956-iLEADS Calandri, Ismael - Ricardo Allegri 9/1/2022 - 12/31/2023

ALZ Strategic Initiatives: International Longitudinal Early-onset AD Study

Study sporadic forms of early-onset dementia in presenile subjects through longitudinal follow-up.

Role: PI

### **Completed Research Support**

PICTO-COVID-SECUELAS-00016 Allegri Ricardo Over

Neurocognitive sequelae of SARS-CoV-2: A multidimensional clinical-biological approach.

Clinical characterization of subjects with post-COVID neurocognitive symptoms through imaging and plasma biomarkers.

Role: coPI