

**Adriana Lucía Ruiz Rizzo**[ORCID](#) | [GoogleScholar](#) | [OSF](#)**Education**

- 2014.04 – 2018.06 **Ph.D. in Systemic Neurosciences**  
 Graduate School of Systemic Neurosciences (GSN), LMU Munich, Germany  
 Dissertation: [Visual Processing Speed in the Aging Brain](#)
- 2011.09 – 2013.08 **M.Sc. in Cognitive and Clinical Neuroscience**  
 Maastricht University, Maastricht, the Netherlands  
 Thesis: [Neurocognitive Processes Associated With Peer Preference in Preschool Children](#)
- 2021.02 – 2022.02 **Postgraduate Degree in Applied Statistics**  
 Fundación Universitaria Los Libertadores, Bogotá, Colombia  
 Thesis: [Predictors of Finding Older Adults Reported Missing Based on Supervised Machine Learning Models](#)
- 2003.07 – 2008.05 **B.A. in Psychology**  
 Universidad de Antioquia. Medellín, Colombia  
 Thesis: Description of the Neuropsychological Features of Explicit Memory in Adults with History of Major Depression from Adolescence

**Research Experience**

- 2022.04 – Present **Postdoctoral Researcher**  
 - Department of Neurology, Jena University Hospital, Jena, Germany
- 2021.04 – 2022.03 **LMUexcellent Post-Doctoral Research Fellow**  
 - Department of Psychology, LMU Munich, Munich, Germany
- 2019.10 – 2021.03 **Post-Doctoral Research Fellow**  
 - Department of Psychology, Institute of Gerontology, Wayne State University, Detroit, MI, U.S.A
- 2018.07 – 2019.09 **Post-Doctoral Research Fellow**  
 - Department of Psychology, General and Experimental Psychology Unit, LMU Munich
- 2018.07 – 2019.09 **Research Supervisor**

- International Elite Network Bavaria affiliated M.Sc. program in Neuro-cognitive Psychology (NCP), Department of Psychology, LMU Munich
- 2014.04 – 2018.06 **Ph.D. Candidate**
  - GSN LMU Munich
- 2012.10 – 2013.08 **Research Intern**
  - Donders Institute, Radboud University Nijmegen, Nijmegen, the Netherlands
- 2008.04 – 2011.08 **Research Assistant**
  - Grupo de Neurociencias de Antioquia (GNA) research group, Universidad de Antioquia, Medellín, Colombia
- 2007.05 – 2007.11 **Research Intern**
  - Laboratorio de Neurociencias, Universidad del Zulia, Maracaibo, Venezuela
- 2006.08 – 2007.05 **Research Intern Honors Program**
  - GNA research group, Universidad de Antioquia, Medellín, Colombia

### Most Recent Publications (Selected)

1. Marrero-Polegre D, Finke K, Roaschio N, Haupt M, Reyes-Moreno C, **Ruiz-Rizzo AL** (2023). Lower Visual Processing Speed Relates to Greater Subjective Cognitive Complaints in Community-Dwelling Healthy Older Adults. *Frontiers in Psychiatry*, 14, 445, <https://doi.org/10.3389/fpsy.2023.1063151> [[open access](#)]
  - Data and scripts [open](#)
2. **Ruiz-Rizzo AL**, Viviano RP, Daugherty AM, Finke K, Müller HJ, Damoiseaux JS (2022). Subjective cognitive decline predicts lower cingulo-opercular network functional connectivity in individuals with lower neurite density in the forceps minor. *NeuroImage*, 263, 119662, <https://doi.org/10.1016/j.neuroimage.2022.119662> [[open access](#)]
  - Data and scripts [open](#)
3. **Ruiz-Rizzo AL**, Pruitt PJ, Finke K, Müller HJ, Damoiseaux JS (2022). Lower-Resolution Retrieval of Scenes in Older Adults With Subjective Cognitive Decline, *Archives of Clinical Neuropsychology*, acab061, [doi.org/10.1093/arclin/acab061](https://doi.org/10.1093/arclin/acab061) [[open access](#)]
  - Data and scripts [open](#)
4. Küchenhoff S, Sorg C, Schneider SC, Kohl O, Müller HJ, Napiórkowski N, Menegaux A, Finke K\*, **Ruiz-Rizzo AL\*** (2021). Visual processing speed is linked to functional

connectivity between right frontoparietal and visual networks. *European Journal of Neuroscience*, 53, 3362-77. [doi.org/10.1111/ejn.15206](https://doi.org/10.1111/ejn.15206) [open access] \* equal contribution

- First published as [preprint](#)
- Data and scripts [open](#)

5. Penning MD\*, **Ruiz-Rizzo AL\***, Redel P, Müller HJ, Salminen T, Strobach T, Behrens S, Schubert T, Sorg C, Finke K (2021) Alertness training increases visual processing speed in healthy older adults. *Psychological Science*, 32(3), 340-353. [doi.org/10.1177/0956797620965520](https://doi.org/10.1177/0956797620965520) [open access] \* equal contribution
6. **Ruiz-Rizzo AL**, Beissner F, Finke K, Müller HJ, Zimmer C, Pasquini L, Sorg C (2020). Human subsystems of medial temporal lobes extend locally to amygdala nuclei and globally to an allostatic-interoceptive system. *Neuroimage*, 207, 116404. [doi.org/10.1016/j.neuroimage.2019.116404](https://doi.org/10.1016/j.neuroimage.2019.116404) [open access]
  - First published as [preprint](#)
  - Data and scripts [open](#)
7. **Ruiz-Rizzo AL**, Sorg C, Napiorkowski N, Neitzel J, Menegaux A, Müller HJ, Vangkilde S, Finke K (2019). Decreased cingulo-opercular network functional connectivity mediates the impact of aging on visual processing speed. *Neurobiology of Aging*, 73, 50-60 [doi.org/10.1016/j.neurobiolaging.2018.09.014](https://doi.org/10.1016/j.neurobiolaging.2018.09.014) [public repository]

## Recent Funding

- |                   |   |
|-------------------|---|
| 2023.01 – Present | <b>Advanced Medical Scientist Program.</b> Funded by the Interdisciplinary Center for Clinical Research (IZKF) of Jena University Hospital. Germany   |
| 2019.10 – 2022.03 | <b>LMUexcellent Post-Doctoral Research Fellow.</b> Funded by the European Union's Framework Programme Horizon 2020 (LMUResearchFellows) and by LMUexcellent, funded by the Federal Ministry of Education and Research (BMBF) and the Free State of Bavaria. Germany |
| 2016.06 – 2016.06 | <b>FENS-IBRO/PERC Travel Grant</b> to attend the FENS Forum 2016 in Copenhagen. Denmark   |
| 2011.09 – 2013.08 | <b>Colfuturo National High-Potential Scholarship</b> for Master's Studies Abroad. Colombia  |

## Awards and Honors

- |         |   |
|---------|---|
| 2020.09 | <b>SCHUHFRIED Science Award</b> for the work on "Alertness training increases visual processing speed in healthy older adults". Austria |
| 2020.03 | <b>1st Place Poster Presentation Prize</b> (postdoctoral level) at the 10th Annual  |

Graduate and Postdoctoral Research Symposium, Wayne State University.  
United States

- 2017.03 **2nd Best Talk Prize** at the Retreat of the Neurology Department of the  
Universitätsklinikum Jena. Germany
- 2013.10 **Alejandro Ángel Escobar National Award in Biological Sciences and Physics**  
for Research of Genetic Alzheimer's Due to E280A Mutation in the  
presenilin-1 (PS1) Gene in Families of Antioquia. Colombia
- 2008.11 **Outstanding Undergraduate Researcher Award.** Mayoralty of Medellin.  
Colombia
- 2008.11 **Best Score in the National Higher-Education Quality Exam in Psychology.**  
Faculty of Human and Social Sciences, Universidad de Antioquia. Colombia
- 2008.08 **Talent Young Woman in Science and Technology Award,** Mayoralty of  
Medellin. Colombia
- 2007.11 **Dean's Honors List,** Universidad de Antioquia. Colombia
- 2005.10 **Best Advanced Student in Psychology in 2004 Honors,** Universidad de  
Antioquia. Colombia

### Teaching Experience

- 2018.02 – 2019.09 **Lecturer**
- International Elite Network Bavaria affiliated M.Sc. program in  
Neuro-Cognitive Psychology, Department of Psychology, LMU  
Munich, Germany
  - Subjects: neuropsychological methods and cognitive neuroscience  
of aging
- 2010.09 – 2011.08 **Lecturer**
- Department of Psychology, Universidad de Antioquia, Medellín,  
Colombia
  - Subjects: Theories of the mind; Biopsychology; Neuropsychology
- 2008.01 – 2011.08 **Tutor**
- School of Medicine, Universidad de Antioquia, Medellín, Colombia
  - Subjects: Memory and Amnesias; Language and Aphasias

### Professional Activities

**Ad Hoc Reviewer** for NeuroImage, Cerebral Cortex, Brain, Human Brain Mapping, Journal  
of Cognitive Neuroscience, NeuroImage: Clinical, Neurobiology of Aging, European  
Journal of Neuroscience, Frontiers in Aging Neuroscience, among others.