

## Adrià Rofes, PhD

Curriculum Vitae June 2024

Tarragona, Spain  
February, 2<sup>nd</sup>, 1987  
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Citations: 847 - Google scholar  
Reads: 29,478 - Researchgate  
Interest : 830.7 - Researchgate  
h-index: 17 - Google scholar

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### Research Interests

*Clinical linguistics*: awake surgery, degeneration, brain infections, stroke, assessment,  
*Psycholinguistics*: nouns/verbs, semantics, morphology, word networks, spontaneous speech  
*Brain Mapping*: DES, TMS, tDCS, MRI, tractography

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### Positions

- 2019-present Assistant professor/Senior lecturer (Neurolinguistics)  
University of Groningen, The Netherlands
- 2020-present Program Coordinator, European Master's in Clinical Linguistics  
University of Groningen, The Netherlands
- 2017-2018 Postdoctoral Visiting Scholar (Cognitive Science)  
Johns Hopkins University, USA
- 2015-2018 Postdoctoral Atlantic Fellow (Global Brain Health Institute)  
Trinity College Dublin, Ireland – University of California San Francisco, USA
- 2009-2010 Research Assistant (Theoretical Linguistics and Catalan Philology)  
Autonomous University of Barcelona, Spain

### Education

- 2012-2015 PhD Cognitive Neuroscience (IDEALAB - Erasmus Mundus Program)  
Universities of Trento, Italy - Groningen, Netherlands - Macquarie, Australia
- 2010-2012 MSc Clinical Linguistics (EMCL - Erasmus Mundus Program)  
Universities of Groningen, Netherlands - Potsdam, Germany
- 2005-2010 BA English philology, BA Catalan philology (Two independent degrees)  
Autonomous University of Barcelona, Spain

### Selected publications (total 38)

- 2024 **Rofes, A.**, d'Agata, F., Guerrini, F., & Spena, G. (2024). Speech and lexico-semantic errors during direct cortical stimulation mapping of the language dominant hemisphere: effects of object and action naming. *Journal of Neurosurgery*, 1(aop), 1-9.
- 2023 Ntemou, E., Reisch, K., Burchert, F., Jonkers, R., Picht, T., **Rofes, A.** (2023). Mapping action naming in patients with gliomas: The influence of transitivity. *Neuroimage: Reports*, 3(4), 100184.

- 2023 **Rofes, A.**, Beran, M., Jonkers, R., Geerlings, M.I., Vonk, J.M.J. (2023). What drives task performance in animal fluency in individuals without dementia? The SMART-MR study. *Journal of Speech, Language, and Hearing Research (ASHA)*, 66(9), 3473-3485.
- 2021 Ntemou, E., Ohlerth A.K., Ille, S., Krieg, S., Bastiaanse, R., **Rofes, A.** (2021). Mapping verb retrieval with nTMS: the role of transitivity. *Frontiers in Human Neuroscience, on-line*.
- 2020 **Rofes, A.**, de Aguiar, V., Jonkers, R., Oh, S.J., Dede, G., Sung, J.E. (2020). What drives task performance during animal fluency in people with Alzheimer's disease? *Frontiers in Psychology*, 11, 1485-1496.

|   |    |
|---|----|
| <b>Book chapters</b>                                  | 3  |
| <b>Published abstracts/proceedings</b>                | 17 |
| <b>Science journalism articles</b>                    | 16 |
| <b>Media/interviews</b>                               | 1  |
| <b>Guest lectures, invited presentations, posters</b> | 62 |

**Selected fellowships, awards, honors (total 23)**

|           |   |              |
|-----------|---|--------------|
| 2023      | NWO SSH Open Competition XS Pilot                           | €50,000      |
| 2020      | European Commission, European Master's Clinical Linguistics | €4,3 million |
| 2017-2018 | Alzheimer's Association and Global Brain Health Institute   | \$25,000     |
| 2016-2018 | Atlantic Philanthropies                                     | €66,000      |
| 2012-2015 | Erasmus Mundus Joint Doctorates (EMJDs grant)               | €127,200     |

**Selected professional training/accreditations (total 13)**

|           |  |
|-----------|--|
| 2023      | Academic Leadership  |
| 2020      | Teaching qualification (BKO - Basis Kwalificatie Onderwijs, The Netherlands) |
| 2019      | Lecturer accreditation (AQU – Catalan University Quality Assurance Agency)   |
| 2016-2017 | Dementia-related economics, policy, leadership, law/ethics                   |
| 2014-2015 | Research supervision, electroencephalography                                 |
| 2012-2015 | Functional brain mapping, neurosurgery, neuroanatomy, brain dissection       |

**Selected teaching (total 7)**

|              |   |
|--------------|---|
| 2020-present | Acquired Language Disorders 2 (BA University of Groningen)            |
| 2019-present | Language testing in awake brain surgery (MSc University of Groningen) |
| 2019-2022    | Aphasiology (MA University of Groningen)                              |
| 2019-2022    | Neurolinguistics (BA University of Groningen)                         |
| 2018-2019    | Cognitive Neuroscience (BSc Johns Hopkins University)                 |

**Supervision (total 49; postdoctoral 1, PhD 4, MA/MSc 41, RA 3)**

|      |   |
|------|---|
| 2024 | Jo-Anne van der Sluijs (PhD, IDEALAB, RUG-Macquarie University) |
| 2023 | Elissa-Marie Cocquyt (Postdoctoral)                             |
| 2023 | Logan Gaudet (PhD, Double Degree RUG-Sorbonne)                  |
| 2023 | Lena Rybka (PhD, Double Degree RUG-Charité)                     |

### **Committees (total 12)**

|              |   |
|--------------|---|
| 2024         | Eleonor Burkhardt (PhD, University of Montpellier, France)            |
| 2024         | Narcisa Pérez Naranjo (PhD, Complutense University Madrid, Spain)     |
| 2023         | Rhiannon MacKenzie-Phelan (PhD, Liverpool John Moores University, UK) |
| 2021-present | Academy of Aphasia, Program Committee (2023 vice-chair, 2024 chair)   |
| 2020-present | Faculty Consultative Body for Education Policy (FOO)                  |
| 2020-2023    | Examination board European Master's in Clinical Linguistics (EMCL)    |
| 2021         | Nienke Wolthuis (PhD, University of Groningen, Netherlands)           |
| 2019         | Monika Polczynska-Bletsos (Postdoctoral habilitation)                 |

### **Selected international membership (total 5)**

|              |   |
|--------------|---|
| 2015-present | Atlantic Institute and Global Brain Health Institute                  |
| 2013-present | Collaboration of Aphasia Trialists (Group 2: Assessment and Outcomes) |
| 2012-present | European Low-Grade Glioma Network                                     |
| 2011-present | Science of Aphasia Conference   |

### **Editor (total 4)**

|      |  |
|------|--|
| 2022 | Journal of Neuropsychology (Guest editor, special issue on Cognitive Neurosurgery) |
| 2022 | Frontiers in Psychology – Language Sciences (Review Editor)                        |
| 2020 | Journal of Alzheimer's disease (Handling Associate)                                |

### **Ad-hoc Reviewer (15 journals)**

Aphasiology, Brain and Language, Clinical linguistics & Phonetics, Cognitive Neuropsychology, Contemporary Linguistics, Cortex, Journal of Alzheimer's disease, Journal of Translational Engineering in Health and Medicine, Neurocase, NeuroImage: Clinical, Neuropsychologia, Neuropsychological Rehabilitation, Perspectives of the ASHA Special Interests Groups (SIG 2)

### **Grant reviewer (total 5)**

|      |   |
|------|---|
| 2024 | Ministry of Science and Innovation (Spain)        |
| 2024 | Slovak Research and Development Agency (Slovakia) |
| 2023 | Fulbright Commission (Czech Republic)             |
| 2023 | NWO XS grants (Netherlands)                       |

### **Technical skills**

|            |   |
|------------|---|
| Equipment  | Active Two EEG system, Caputron and Neuroelectrics tDCS units |
| Code/Stats | R, Python, MATLAB, SPSS, single-case statistics               |
| Analysis   | Igraph, CLAN, POS-Tagging, Forced Alignment                   |

### **Languages**

*Native:* Catalan, Spanish

*Fluent:* Dutch, English, Portuguese, Italian

*Working knowledge:* French

### **References**

*Gabriele Miceli*

Professor of Neurology/Neurolinguistics  
University of Trento, Italy  
gabriele.miceli@unitn.it

*Roel Jonkers*

Professor of Neurolinguistics  
University of Groningen, Netherlands  
r.jonkers@rug.nl

## **Full list of publications**

### **Peer reviewed papers**

2024

Rofes, A., d'Agata, F., Guerrini, F., & Spina, G. (2024). Speech and lexico-semantic errors during direct cortical stimulation mapping of the language dominant hemisphere: effects of object and action naming. *Journal of Neurosurgery*, 1(aop), 1-9. doi:10.3171/2023.10.JNS231493

Rofes, A., Piai, V. (2024). Introduction to the Special Issue on Cognitive Neurosurgery. *Journal of Neuropsychology*, on-line first. doi:10.1111/jnp.1235

2023

Rofes, A., Beran, M., Jonkers, R., Geerlings, M.I., Vonk, J.M.J. (2023). What drives task performance in animal fluency in individuals without dementia? The SMART-MR study. *Journal of Speech, Language, and Hearing Research (ASHA)*, 66(9), 3473-3485. doi:10.1044/2023\_JSLHR-22-00445

Gasa-Roqué, A., Rofes, A., ... Sierpowska, J. (2023) Understanding language and cognition after brain surgery – Tumour grade, fine-grained assessment tools and, most of all, individualized approach. *Journal of Neuropsychology*, on-line. doi:10.1111/jnp.1234

Ntemou, E., Reisch, K., Burchert, F., Jonkers, R., Picht, T., Rofes, A. (2023). Mapping action naming in patients with gliomas: The influence of transitivity. *Neuroimage: Reports*, 3(4), 100184. doi:10.1016/j.ynrp.2023.100118

Ntemou, E., Svaldi, C., Jonkers, R., Picht, T., Rofes, A. (2023). Verb and sentence processing with TMS: A systematic review and meta-analysis. *Cortex*, 162, 38-55. doi:10.1016/j.cortex.2023.01.005

Ntemou, E., Rybka, L., Lubbers, L., Tuncer, M., Vajkoczy, P., Rofes, A., Picht, T., & Faust, K. (2023). Lesion-symptom mapping of language impairments in people with brain tumors: the influence of task complexity. *Journal of Neuropsychology*, 17(2), 400-416. doi:10.1111/jnp.12305

Rook, J., Llufríu, S., de Kok, D., Rofes, A. (2023). Language impairments in people with autoimmune neurological diseases: a scoping review. *Journal of Communication Disorders*, 106, 106368. doi:10.1016/j.jcomdis.2023.106368

2022

Sierpowska, J., Rofes, A., Dahlslätt, K., Mandonnet, E., ... Piai, V. (2022). THE AFTERCARE SURVEY: Assessment and intervention practices after brain tumor surgery in Europe. *Neuro-Oncology Practice*, 9(4), 328-337. doi:10.1093/nop/npac029

2021

Rofes, A., Sampedro, B., Abusamra, L., Cañataro, P., Jonkers, R., & Abusamra, V. (2021). What drives task performance in fluency tasks in people with HIV? *Frontiers in Psychology*, 12, 721588.

Rofes, A., van de Beek, D., & Miceli, G. (2021). Language impairments and CNS infections: a review. *Aphasiology*, 36(10), 1206-1248. doi:10.1080/02687038.2021.1937922

Broderick, M. P., Di Liberto, G. M., Anderson, A. J., Rofes, A., & Lalor, E. C. (2021) Dissociable electrophysiological measures of natural language processing reveal differences in speech comprehension strategy in healthy ageing. *Scientific reports*, 11, 1-12. doi:10-5061/dryad.070jc

de Aguiar, V., Rofes, A., Wendt, H., Ficek, B. N., Webster, K., & Tsapkini, K. (2021). Treating lexical retrieval using letter fluency an tDCS in primary progressive aphasia: a single-case study. *Aphasiology*, 36, 353-379. 1-27. doi:10.1080/02687038.2021.1881432

Henriquez Rojas, P., Sivaraju, A., Quraishi, I., Polcynska, M., Rofes, A., ... & Benjamin, C.F.A. (2021) Cortical stimulation mapping can impair production of the alphabet without impairing counting. *Epilepsy & Behavior reports*, 15, 100433-100437, doi:10.1016/j.ebr.2021.100433

Ntemou, E., Ohlerth A.K., Ille, S., Krieg, S., Bastiaanse, R., Rofes, A. (2021). Mapping verb retrieval with nTMS: the role of transitivity. *Frontiers in Human Neuroscience*, 14, 1-2. doi:10.3389/fnhum.2021.719461

Salomons, I., Rofes, A, Gavarró, A. Prova integral d'afàsia. [Catalan version of the Comprehensive Aphasia Test]. Servei de Publicacions. Universitat Autònoma de Barcelona. Bellaterra.

Vanoncini, M., Pozdnyakova, V., Dragoy, O., & Rofes, A. (2021). Motor and auditory priming in a lexical decision task with action and sound verbs. *The Russian Journal of Cognitive Science*, 8(3), 13–32. doi:10.47010/21.3.2

2020

Rofes, A., de Aguiar, V., Jonkers, R., Oh, S.J., Dede, G., & Sung, J.E. (2020). What drives task performance during animal fluency in people with Alzheimer's disease? *Frontiers in Psychology*, 11, 1485-1496. doi:10.3389/fpsyg.2020.01485

Rofes, A., Gavarró, A., & Salmons, I. (2020). Qüestionari sobre les conseqüències de l'afàsia – versió breu [Catalan version of the Aphasia Impact Questionnaire by Kate Swinburn]. [Download here](#)

Rofes, A., Akinina, Y., Satoer, D., de Kok, D., & Bastiaanse, R. (2020). *The Token Test App, Second Edition: Catalan version*. Groningen (NL): The University of Groningen.

de Aguiar, V., Zhao, Y., Ficek, B., Webster, K., Rofes, A. ... & Tsapkini, K. (2020). Cognitive and language performance predicts effects of spelling intervention and tDCS in Primary Progressive Aphasia. *Cortex*, 124, 66-84. doi:10.1016/j.cortex.2019.11.001

Ille, S., Ohlerth, ..., Rofes, A., Mandonnet, E., Robert, E., Satoer, D., Pessanha Viegas, C., Visch-Brink, E., van Zandvoort, M., & Krieg, S. M. (2020). Augmented reality for the virtual dissection of white matter pathways. *Acta Neurochirurgica*, 163(4), 895-903. doi:10.1007/s00701-020-04545-w

Jeltema, H-R., Ohlerth, A-K., ... Rofes, A., Bastiaanse., R., & Drost, G. (2020). Comparing navigated transcranial magnetic stimulation mapping and “gold standard” direct cortical stimulation mapping in neurosurgery: a systematic review. *Neurosurgical Review*, 44(4), 1903-1920. doi: 10.1007/s10143-020-01397-x

2019

Rofes, A., de Aguiar, V., Ficek, B., Wendt, H., Webster, K., & Tsapkini, K. (2019). The role of word properties in performance on fluency tasks in people with Primary Progressive Aphasia. *Journal of Alzheimer's Disease*, 68(4), 1521-1534. doi:10.3233/JAD-180990

Rofes, A., Mandonnet, E., de Aguiar, V., Rapp, B., Tsapkini, K. & Miceli, G. (2019). Language processing from the perspective of electrical stimulation mapping. *Cognitive Neuropsychology*, 36(3-4), 117-139. doi:10.1080/02643294.2018.1485636

2018

Rofes, A., Talacchi, A., Santini, B., Pinna, G., Nickels, L., Bastiaanse, R., & Miceli, G. (2018). Language in individuals with left hemisphere tumors: Is spontaneous speech analysis comparable to formal testing? *Journal of Clinical and Experimental Neuropsychology*, 40(7), 722-732. doi:10.1080/13803395.2018.1426734

Freyschlag, C., Krieg, S.M., ... Rofes, A., ... & Mandonnet, E. (2018). Imaging practice in low-grade gliomas among European specialized centers and proposal for a minimum core of imaging. *Journal of Neuro-Oncology*, 139(3), 699-711. doi:10.1007/s11060-018-2916-3.

2017

Rofes, A., Zakariás, L., Ceder, K., ... & Howard, D. (2017). Imageability ratings across languages. *Behavior Research Methods*, 50(3), 1187-1197. doi:10.3758/s13428-017-0936-0

Rofes, A., Spena, G., Talacchi, A., Santini, B., Miozzo, A., & Miceli, G. (2017). Mapping nouns and finite verbs in left hemisphere tumors: a direct electrical stimulation study. *Neurocase*, 23(2), 105-113. doi:10.1080/13554794.2017.1307418

Rofes, A., Mandonnet, E., Godden, J., Baron, M.H., Colle, H., Darlix, A., ... & Wager, M. (2017). Survey on current cognitive practices within the European Low-Grade Glioma Network: towards a European assessment protocol. *Acta Neurochirurgica*, 159(7), 1167-1178. doi:10.1007/s00701-017-3192-2

European Low Grade Glioma Network (contributor) (2017). Evidence-based medicine in glioma: molecular biology is only part of the story. *Lancet Oncology*, 18(8), e429. doi:10.1016/S1470-2045(17)30510-7

Fyndanis, V., Lind, M., Varlokosta, S., ... Rofes, A., ... & Howard, D., (2017). Cross-linguistic adaptations of the comprehensive aphasia test: challenges and solutions. *Clinical Linguistics & Phonetics*, 31(7-9), 697-710. doi:10.1080/02699206.2017.1310299

2015

Rofes, A., Spena, G., Miozzo, A., Fontanella, M., & Miceli, G. (2015). Advantages and disadvantages of intraoperative language tasks in awake surgery: a three-task approach for prefrontal tumors. *Journal of Neurosurgical Sciences*, 59(4), 337-349.

Rofes, A., Capasso, R., & Miceli, G. (2015). Verb production tasks in the measurement of communicative abilities in aphasia. *Journal of Clinical and Experimental Neuropsychology*, 37(5), 483-502. doi:10.1080/13803395.2015.1025709

Rofes, A., de Aguiar, V., & Miceli, G. (2015). A minimal standardization setting for language mapping tests: an Italian example. *Neurological Sciences*, 36(7), 1113-9. doi:10.1007/s10072-015-2192-3

Martínez-Ferreiro, S., de Aguiar, V., & Rofes, A. (2015). Non-fluent aphasia in Ibero-Romance: a review of morphosyntactic deficits, *Aphasiology*, 29(1), 101-126. doi:10.1080/02687038.2014.958915

2014

Rofes, A., & Miceli, G. (2014). Language mapping with verbs and sentences in awake surgery: A Review, *Neuropsychology Review*, 24(2), 185-99. doi:10.1007/s11065-014-9258-5

Rofes, A., Bastiaanse, R., & Martínez-Ferreiro, S. (2014). Conditional and future tense impairment in non-fluent aphasia, *Aphasiology*, 28(1), 99-115. doi:10.1080/02687038.2013.850650

### **Book chapters**

de Aguiar, V., & Rofes, A. (2022). Nouns and verbs in the temporal lobe. In Miceli, G. (Ed.). *The temporal lobe*. Springer.

Rofes, A. & Mahon, B. Z. (2021). Naming: nouns and verbs. In Mandonnet, E., & Herbet, G. (Eds.). *Intraoperative Mapping of Cognitive Networks: Which Tasks for Which Locations*. Springer.

de Aguiar, V., & Rofes, A. (2018). Afasias não fluentes: da teoria à prática. [Portuguese: non-fluent aphasias: theory and praxis]. In Fonseca, J. (Ed.). *Perturbações da comunicação da etiologia neurológica: comunicação depois de uma lesão neurológica*. Lisboa: Papa-Letras.

### **Published abstracts/Proceedings**

de Jong, E., van Dijk, M., Oterdoom, M., & Rofes, A. (2023). The ability of thematic and taxonomic semantic categorization in people with Essential Tremor & Parkinson's Disease, pre- and post-DBS surgery. *Tabu Dag* (43 edition).

Hoekzema, N., Rebernik, T., Tienkamp, T., Jonkers, R., Noiray, A., Rofes, A., Wieling M., & Abur, D. (2023). The relation between lexical retrieval, cognition, and articular coordination in persons with Parkinson's disease. *Tabu Dag* (43 edition).

Jarrold, W., Rofes, A., Pressman, P., Stabler, E., Wilson, S., & Gorno-Tempini, M.L. (2020). Evaluating a part of speech tagger for the assessment of neurodegenerative disease: automated measurement of pronoun and verb ratio from speech. 42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 5831-5837. [Article, press here]

Rofes, A., de Aguiar, V., Ficek, B., Webster, K., Wendt, H., Rapp, B., & Tsapkini, K. (2018). Relationship between word properties of fluency tasks at baseline and treatment outcomes in Primary Progressive Aphasia. *Frontiers in Human Neuroscience*, Academy of Aphasia 56th Annual Meeting.

Rofes, A., de Aguiar, V., Ficek, B., Webster, K., Wendt, H., Rapp, B., & Tsapkini, K. (2018). Word properties of fluency tasks in three variants of Primary Progressive Aphasia. *Clinical Aphasiology conference book of abstracts*, 23.

Rofes, A., Talacchi, A., Pinna, G., Nickels, L., Bastiaanse, R., & Miceli, G. (2017). Language in individuals with left hemisphere tumors: Is spontaneous speech analysis equally good as formal testing? *Frontiers in Human Neuroscience, Academy of Aphasia 55th Annual Meeting*.

Rofes, A., di Liberto, G., Teoh, E., Coen, R., Kotz, S., Lalor, E., Lawlor, B., & Dockree, P. (2017). EEG tracking of grammatical structures with different cloze probabilities in connected speech. *Society for the Neurobiology of Language*.

de Aguiar, V., Rofes, A., Bastiaanse, R., Capasso, R., Gandolfi, M., Smania, N., Rossi, G., & Miceli, G. (2017). Effects of morphosyntactic therapy and tDCS on the spontaneous speech of individual with aphasia. *Society for the Neurobiology of Language*, 84.

Rofes, A., di Liberto, G., Jarrold, W., Teoh, E., Lalor, E., Kotz, S., Gorno-Tempini, M.L., Dockree, P., Lawlor, B. (2017). Scalable, cost-effective, and objective language assessment for people with dementia. *Global Brain Health Conference – Abstract book*, 39.

Beber, B., Rofes, A., de Aguiar, V., Dolan, C., Chaves, M., Lawlor, B. (2017). Awareness of Primary Progressive Aphasia amongst Brazilian Speech & Language Pathologists: a survey and an action plan. *Global Brain Health Conference – Abstract book*, 24.

Rofes, A., Zakariás, L., Ceder, K., ... Howard, D. (2016). Word imageability from a cross-linguistic perspective. *Stem- Spraak- en Taalpathologie*, 21(S01), 158-160. doi:32.8310/supplement/1914

de Aguiar, V., Rofes, A., Lingnau, A., & Miceli, G. (2016). The effects of training action naming: a BOLD fMRI study. *Frontiers in Psychology. Conference Abstract [on-line]*. doi:10.3389/conf.fpsyg.2016.68.00096

Rofes, A., Santini, B., Ricciardi, G.K., Talacchi, A., Pinna, G., Nickels, L., & Miceli, G. (2015). Nouns and verbs: perioperative comparisons in brain tumors. *Stem- Spraak- en Taalpathologie*, 20(S01), 14-16. doi:32.8310/supplement/1914

Rofes, A., Talacchi, A., Santini, B., Cappelletti, G., & Miceli, G. (2015). Intraoperative language mapping: a two-task approach. *Stem- Spraak- en Taalpathologie*, 20(S01), 191-194. doi:32.8310/supplement/1914

Rofes, A. & Miceli, G. (2014). Naming finite verbs predicts language abilities in daily living. *Stem- Spraak- en Taalpathologie*, 19(S04), 134-136. doi:32.8310/supplement/1914

Rofes, A., Santini, B., Mirtuono, P., Foroni, R., Pinna, G., Nickels, L., & Miceli, G. (2014). Lexico-semantic dissociations in patients with brain tumors in the posterior temporal lobe. *The Society for the Neurobiology of Language*, 194.

Rofes, A., De Witte, E., Mariën, P., & Bastiaanse, R. (2013). Object naming may overestimate patients' language performance after neuro-oncological surgery: A case study. *Stem- Spraak- en Taalpathologie*, 18(S01), 59-63. doi:32.8310/S01/1813-59



### **Science journalism/Popular science**

Chrispeels, N., Thomas, L., & Rofes, A. (2024). Accidentally foreign: The unseen challenges of Foreign Accent Syndrome. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, May 7

Cocquyt, E.M, & Rofes, A. (2024). Subcortical nuclei and language processing. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, April 8

Bressan, C., & Rofes, A. (2023). Extracting the stone of madness: the art of brain surgery in the Renaissance. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, March 1

Mayya, A., Porunkova, M. & Rofes, A. (2022). Four psycholinguistics tips for recognizing and using irony. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, June 1

Grant, N., Burkel, L. & Rofes, A. (2021). Watch your language! Linguistic factors contributing to COVID-19 spread. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, May 12

Svaldi, C., & Rofes, A. (2020). How a meningioma can make you lose your train of thought while speaking. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, May 8

Firth, Z., Borba Borges, P., & Rofes, A. (2019). Singin' in the brain: why brain tumour patients are singing on the operating table. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, May 8

Rofes, A. (2018). Einstein's brain and numerical cognition: a chicken-and-egg story? Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, March 14

Falanga, P., & Rofes, A. (2017). What does remembering the "Little Red Riding Hood" story tell about your cognition? Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, August 28

Krilčić, P., & Rofes, A. (2017). How many animals can you name within one minute (and what does this say about your cognition)? Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, May 22

Rofes, A. (2016). What's wrong with me if I am stuck for words? Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, Jun. 1

Rofes, A. (2016). Neuroplasticidad, neurorehabilitación y unas gotitas de filosofía contemporánea [Spanish: Neuroplasticity, neurorehabilitation and a dollop of contemporary philosophy] Cuaderno de Cultura Científica (KZK), Cátedra de Cultura Científica, University of the Basque Country, Mar. 29

Rofes, A. (2016). Bilingual brain surgery. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, Mar. 4 [Article, press here]

Rofes, A. (2016). When "Eskimo" and "Inuit" are not the same thing: looking inside words. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, Jan. 18

Rofes, A. (2015). Studying language in people with dementia. Mapping Ignorance, Cátedra de Cultura Científica, University of the Basque Country, Nov. 6

Rofes, A. (2015). La neurocirugía con el paciente despierto [Spanish: Awake neurosurgery]. Cuaderno de Cultura Científica (KZK), Cátedra de Cultura Científica, University of the Basque Country, Aug. 3

### **Media/Interviews**

A case of spontaneous recovery after COVID-19 for the Leeuwarder Courant, Netherlands (December 15, 2023) <https://lc.nl/friesland/sudwest-fryslan/Te-vroeg-afgeschreven-28770083.html>

### **Talks and posters**

2024

Rofes, A. (2024). Informing language models with electrical and magnetic stimulation. University of Montpellier. 29 April, Montpellier, France [Talk]

Rofes, A. (2024). Language testing in awake surgery: objects, actions, and new stuff. Charité Hospital. 25 March. Berlin, Germany [Talk]

Rofes, A., Jonkers, R., Faust, K., Picht, T., Ntemou, E. (2023). Action naming in people with brain tumors: effects of verb semantic class. TABU Dag (44th ed.), Groningen, The Netherlands [Poster]

Rybka, L., Jonkers, R., Vajkoczy, P., Picht, T., Faust, K., Rofes, A. (2024). What subjective deficits reveal about the relation between language and memory. European Low Grade Glioma Network Meeting. 11-12 April. Heidelberg, Germany [Talk]

Hoekzema, N., Rybka, L., Faust, K., Vajkoczy, P., Picht, T., Rofes, A. (2024). An Intraoperative Language Test for Awake Brain Surgeries: German Text-to-Picture Semantic Association Task (GTP-SAT). TABU Dag (44th ed.), Groningen, The Netherlands [Poster]

2023

Ntemou, E., Jonkers, R., Reisch, K., Böttcher, F., Burchert, F., Picht, T., & Rofes, A. (2023). Influence of transitivity on nTMS language mapping: insights from healthy individuals and people with gliomas. The Society for the Neurobiology of Language Conference. 24-26 October. Marseille, France [Poster]

Sierpowska, J., van der Sluijs, J-A, Rofes, A., Piai, V. (2023). The roles of the bilateral MdLF and ILF in verbal effectiveness and lexical retrieval in people with post-stroke aphasia. The Society for the Neurobiology of Language Conference. 24-26 October. Marseille, France [Poster]

Rofes, A., Jonkers, R., Faust, K., Picht, T., Ntemou, E. (2023). Action naming in people with brain tumors: effects of verb semantic class. Academy of Aphasia. 21-23 October. Reading, UK [Poster]

Rybka, L., Rofes, A., Vajkoczy, P., Picht, T., Faust, K. (2023). Co-occurrence of working memory and language deficits in individuals with brain tumors: three case studies. Academy of Aphasia. 21-23 October. Reading, UK [Poster]

Gaudet, L., Siew-Tu, C., Mandonnet, E., Volle, E., Ovando-Tellez, M., Rofes, A. (2023). The use of graph theory metrics in assessing lexico-semantic impairment following awake brain surgery. Academy of Aphasia. 21-23 October. Reading, UK [Poster]

Ntemou, E., Tuncer, M., Reisch, K., Burkel, L., Jonkers, R., Picht, T., Faust, K., & Rofes, A. (2023). Differential effects of linguistic stimuli: Evidence from VLSM, TMS, and awake surgery. 15th European Low Grade Glioma Network. 15-17 June. Gdansk. Poland [Presentation]

de Jong, E., van Dijk, M., Oterdoom, M., & Rofes, A. (2023). The ability of thematic and taxonomic semantic categorization in people with Essential Tremor & Parkinson's Disease, pre- and post-DBS surgery. Tabu Dag (43 edition). 15-16 June. Groningen. The Netherlands [Poster]

Sierpowska, E., Gasa-Roqué, Rofes, A., Rico Pons, I., Juncadella, M., Camins, A., Fernández-Coello, A., Gabarrós, A, & Rodríguez-Fornells, A. (2023). Sound, meaning, and white matter. Dual pathway model for language and pre- to postoperative care in brain surgery. 15th European Low Grade Glioma Network. 15-17 June. Gdansk. Poland [Presentation]

Gasa-Roqué, Sierpowska, E., Rofes, A., Rico Pons, I., Juncadella, M., Camins, A., Fernández-Coello, A., Gabarrós, A, & Rodríguez-Fornells, A. (2023). How do language and cognition change after brain tumor surgery? - from whole-sample to individualized approach. 15th European Low Grade Glioma Network. 15-17 June. Gdansk. Poland [Presentation]

Hoekzema, N., Rebernik, T., Tienkamp, T., Jonkers, R., Noiray, A., Rofes, A., Wieling M., & Abur, D. (2023). The relation between lexical retrieval, cognition, and articular coordination in persons with Parkinson's disease. Tabu Dag (43 edition). 15-16 June. Groningen. The Netherlands [Poster]

2022

Lubbers, J., Picht, T., & Rofes, A. (2022). The influence of semantic neighborhood density and semantic distance on object naming during nTMS. Science of Aphasia. Sept 12. Bordeaux. France [Poster]

Ntemou, E., Reisch, K., Burchert, F., Jonkers, R., Picht, T., & Rofes, A. (2022). The effect of transitivity on nTMS mapping of the arcuate fasciculus: evidence from healthy adults and people with brain tumors. Science of Aphasia. Sept 15. Bordeaux. France [Poster]

Ntemou, E., Tuncer, M., ... Rofes, A., Picht, T., Faust, K. (2022). Mapping of language eloquent gliomas: a three-task comparison. DGNC Neuroonkologie Jahrestagung. Oct 27-29. Leipzig, Germany [Presentation]

Ntemou, E., Burkel, L., ... Rofes, A., Picht, T., Faust, K. (2022). Lesion-symptom mapping of language impairments in people with brain tumors: the influence of task complexity. DGNC Neuroonkologie Jahrestagung. Oct 27-29. Leipzig, Germany [Presentation]

Ntemou, E., & Rofes, A. (2022). The effect of transitivity on nTMS mapping of the arcuate fasciculus: evidence from healthy adults and people with brain tumors. 2nd European Low Grade Glioma Network: workshop. May 26. Lisbon. Portugal [Presentation]

Rofes, A. (2022). Perioperative language preservation in awake brain surgery. Peri-operative language mapping in brain tumor patients. June 15. Groningen. The Netherlands [Invited talk]

2021

Ntemou, E., Picht, T., Reisch, K., Burchert, F., Jonkers, R., & Rofes, A. (2021). Mapping the arcuate fasciculus with nTMS and action naming: the effect of transitivity. Academy of Aphasia. Oct 25. On-online [Presentation]

Shavarina, D., Almeria, M., & Rofes, A. (2021). Factors affecting object naming performance in people who recovered from COVID-19. International Workshop on Language Production. Nov 11. On-line [Presentation]

Rofes, A. (2021). Language processing during electrical stimulation. 28th Congress of the Brazilian Clinical Neurophysiology Society, Nov. 20. On-line [Invited talk, keynote]

Rofes, A. (2021). Mapeamento de linguagem intraoperatório: perspectiva do linguista clínico [Portuguese: Intraoperative language mapping: the perspective of the clinical linguist]. II International congress of the Portuguese Speech and Language Society (SPTF). Sep 23. On-line [Invited talk, keynote]

2020

Ntemou, E., Ohlerth, A.K. ..., Rofes, A. (2020). The effect of transitivity on cortical regions involved in action naming: evidence from Transcranial Magnetic Stimulation. Psyneuroling. Dec. 17-28. On-line [Presentation]

Vanoncini, M., Dragoy, O., Pozdnyakova, V., & Rofes, A. (2020). The contribution of the motor and auditory cortex in priming action and sound verbs: a pilot study. Psyneuroling. Dec. 17-28. On-line [Presentation]

Rofes, A. (2020). Informing language models with awake surgery. Linguistics lunch. University of Groningen. Mar. 5, Groningen, The Netherlands [Presentation]

Rofes, A. (2020). Fluency tasks to classify and explain performance in people with PPA & AD. Département D'Études Cognitives. École Normale Supérieure. Feb. 24, Paris. France [Presentation]

2019

Rofes, A. (2019). Informing language models with electrical stimulation and Perspectives on presurgical mapping, prehabilitation, and language monitoring. Center for Language and Brain. Higher School of Economics. National Research University. Nov. 13-15, Moscow, Russia [Invited talk]

de Aguiar V., Rofes, A., .... Tsapkini, K. (2019). Treating lexical retrieval impairments using letter fluency and tDCS in primary progressive aphasia – a single case study. Science of Aphasia. Sept. 23-26, Rome, Italy [Poster]

2018

Rofes, A., de Aguiar V., ... Tsapkini, K. (2018). Relationship between word properties of fluency tasks at baseline and treatment outcomes in Primary Progressive Aphasia. Academy of Aphasia. Oct. 21-23, Montreal, Canada [Poster]

Rofes, A. (2018). Differences in word properties of fluency tasks in three variants of Primary Progressive Aphasia. ARC Centre of Excellence in Cognition and its Disorders (CCD). Aphasia group, Macquarie University. Jul. 18, Sydney, Australia [Invited talk]

Rofes, A. (2018). Language processing from the perspective of electrical stimulation mapping. European Low Grade Glioma Network, June 22-23, Lisbon, Portugal [Invited talk, Keynote]

Rofes, A. (2018). Predicting therapy effects in people with neurodegeneration using tDCS. Loyola University, June 13, Columbia, MD, USA. [Presentation]

Rofes, A., de Aguiar, V., ... Tsapkini, K. (2018). Word properties of fluency tasks in three variants of Primary Progressive Aphasia. Clinical Aphasiology conference, May 22-26, Lakeway, TX, USA [Presentation]

Rofes, A., de Aguiar, V., ... Tsapkini, K. (2018). Word properties of fluency tasks in three variants of Primary Progressive Aphasia. Alzheimer's Association Satellite Symposium, Apr. 17-18, Buenos Aires, Argentina [Poster]

2017

Rofes, A., Talacchi, A., ... Miceli, G. (2017). Language in individuals with left hemisphere tumors: is spontaneous speech analysis equally good as formal testing? Academy of Aphasia, Nov. 5-7, Baltimore, USA [Poster]

Rofes, A., Di Liberto, G., ... Dockree, P. (2017). EEG tracking of grammatical structures with different cloze probabilities in connected speech. The Society for the Neurobiology of Language Conference, Nov. 8-10, Baltimore, USA [Poster]

Rofes, A., Di Liberto, G., Jarrold, W., Teoh E., Lalor E., Kotz, S., ... Lawlor, B. (2017). Scalable, cost-effective and objective language assessments for people with dementia. Global Brain Health Institute conference, Apr. 19-22, Barcelona, Spain [Poster]

2016

Rofes, A., Zakariás, L., Ceder, K., Lind, M., Bloom Johansson, M., de Aguiar, V., ... Howard, D. (2016). Word imageability from a cross-linguistic perspective. Science of Aphasia, Sept 26-29, Venice, Italy [Poster]

Rofes, A. (2016). New approaches to map and monitor language production during awake surgery. Beaumont Hospital, Speech and Language Therapy Service, Sep. 22, Dublin, Ireland [Presentation]

Lind, M., Fyndanis, V., ... Rofes, A., ... Howard, D. (2016). Cross-linguistic adaptations of The Comprehensive Aphasia Test: Challenges and solutions. 16th International Clinical Phonetics and Linguistics Association Conference, Jun. 15-18, Halifax, Canada [Presentation]

2015

Rofes, A., Santini, B, Ricciardi, G.K., Talacchi, A., Pinna, G., Nickels, L., & Miceli, G. (2015). Nouns and verbs: perioperative comparisons in brain tumors. XV Science of Aphasia Conference, Sep. 17-22, Aveiro, Portugal [Presentation]

Rofes, A., Talacchi, A., Santini, B., Cappelletti, G., & Miceli, G. (2015). Intraoperative language mapping: a two-task approach. XV Science of Aphasia Conference, Sep. 17-22, Aveiro, Portugal [Presentation]

Rofes, A., & Miceli, G. (2015). When object naming may not be enough: two single cases. European Low Grade Glioma Network Meeting. Jun. 25-27, Paris, France [Presentation]

Dallabona, M., & Rofes, A. (2015). Neuropsychological assessment: pre-, intra-, and postoperative. Connect Brain. Apr. 23-26, Trento, Italy [Invited talk]

Rofes, A. (2015). Nouns and verbs in awake surgery: needs and answers. University College London, Mar. 5, London, UK [Presentation]

2014

Di Giacopo, R., Calanni, M., Rofes, A., Fortis, P., Malaguti, M., Ottaviani, D., & Miceli, G. (2014). La riabilitazione delle funzioni esecutive e viso-spaziali nella malattia di Parkinson: la nostra esperienza [Italian: Executive and visuo-spatial functions rehabilitation in Parkinson's Disease: our experience] III Congresso nazionale congiunto LIMPE/DISMOV-SIN, Nov.14, Salerno, Italy [Poster]

Rofes, A., Santini, B., Mirtuono, P., Foroni, R., Pinna, G., Nickels, L., & Miceli, G. (2014). Lexico-semantic dissociations in patients with brain tumors in the posterior temporal lobe. CIMEC Doctoral School Day, Sep. 26, Rovereto, Italy [Invited talk]

Rofes, A., Capasso, R., & Miceli, G. (2014). Naming finite verbs predicts language abilities in daily living. XV Science of Aphasia Conference, Sep. 19-24, Venice, Italy [Presentation]

Rofes, A., Santini, B., Mirtuono, P., Foroni, R., Pinna, G., Nickels, L., & Miceli, G. (2014). Lexico-semantic dissociations in patients with brain tumors in the posterior temporal lobe. The Society for the Neurobiology of Language Conference, Aug. 27-29, Amsterdam, The Netherlands [Poster]

Rofes, A., Talacchi, A., Santini, B., Zoccatelli, G., Alessandrini, F., Nickels, L., & Miceli, G. (2014). The language-role of the inferior fronto-occipital fasciculus. Center for Neurocognitive Rehabilitation, University of Trento. May 21, Rovereto, Italy [Presentation]

Rofes, A., Talacchi, A., Santini, B., Zoccatelli, G., Alessandrini, F., Nickels, L., & Miceli, G. (2014). The language-role of the inferior fronto-occipital fasciculus: Evidence from awake surgery. Rovereto Workshop on Concepts, Actions, and Objects: Functional and neural perspectives. May 8-11, Rovereto, Italy [Poster]

Martínez-Ferreiro, S. Reyes Gómez, A.F., & Rofes, A. (2014). Métodos neurocientíficos [Spanish: Neuroscientific methods]. Workshop: Cerebro y Lenguaje, El Bosque University. Apr. 9, Bogotá, Colombia [Presentation]

Rofes, A. (2014). Language research in brain tumor surgery. Neuroanatomy course HLTH214, Macquarie University. Jan. 10, Sydney, Australia [Invited talk]

2013

Rofes, A. (2013). Language in brain tumor patients and language testing in awake surgery. ARC Centre of Excellence in Cognition and its Disorders (CCD). Aphasia group, Macquarie University. Oct. 10, Sydney, Australia [Presentation]

Rofes, A., & Miceli, G. (2013). Language mapping in awake surgery: A critical review of tests with verbs and sentences. CCD Annual Workshop, Nov. 27-28, Sydney, Australia [Poster]

Rofes, A., De Witte, E., Mariën, P., & Bastiaanse, R. (2013). Object naming may overestimate patients' language performance after neuro-oncological surgery: A case study. XIV Science of Aphasia Conference, Sep. 20-25, Brussels, Belgium [Presentation]

Rofes, A. (2013). Functional surgical neuro-oncology: relevant language tests, better outcomes. Faculty of Medicine and Surgery, University of Verona. Apr. 17, Verona, Italy [Presentation]

Rofes, A. (2013). La valutazione comprensiva del linguaggio nella chirurgia da sveglio [Italian: Comprehensive language assessment in awake surgery] Habilita, Nov. 22, Bergamo, Italy [Invited talk]

2011

Arsenijević, B., Martínez-Ferreiro, S., & Rofes, A. (2011). Determiners in Catalan agrammatism: A case study. XII Science of Aphasia Conference, Sep. 01-05, Barcelona, Spain [Poster]