

CURRICULUM VITAE

University of Luxembourg
Campus Belval
Maison des Sciences Humaines
11, Porte des Sciences
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EDUCATION AND TRAINING

02/2011 – 02/2012

ProFiL Programm 8th Edition – Training Program for women in excellence research and teaching
Mentor: Prof. Dr. Gisela Klann – Delius

11/2005 – 12/2008

PhD in Cognitive Science – Department of Cognitive Neuroscience,
University of Trento, Rovereto, Italy.

Supervisor: Prof. Remo Job

Research area: Visual categorization and speech production

Title of the PhD thesis: Not all that is semantic is post-sensory: Electrophysiological correlates of semantic context effects. [viva – 22.12.2008]

2001 – 2005

Five-year degree in Experimental Psychology.

MSc equivalent in Experimental Psychology, University of Padova, Italy.

Final score: 110/110 cum laude.

Supervisor: Prof. Remo Job.

Thesis title: The N1. A reliable psychophysiological index for categorization? [viva – 18.02.2005]

SCIENTIFIC TRAINING

2012

BiMM - Linear Mixed Model Analysis in R. Bielefeld, Germany

2009

EEGLab Workshop. Toulouse, France

2008

EEG Workshop. Potsdam, Germany.

2006

Workshop on ERPs & Language. Bertinoro, Italy.

Summer School on Methods of Linear Statistical Analysis in Psychology. Bertinoro, Italy.

Workshop on Eye-Movement Control in Reading. Potsdam, Germany.

LANGUAGE TRAINING

2011

Scientific Writing, Humboldt University of Berlin, Germany.

EMPLOYMENT

12/2015 – present

Senior post-doc fellow at the Department of Psychology (Cognitive Neuroscience Research Unit; head Prof. Christine Schiltz) at the University of Luxembourg – Luxembourg.

(**04/2014 – 11/2015** Maternity break)

01/2013 – 03/2014

Post-doc fellow at the Psychology Department (Neurocognitive Psychology; head Prof. Rasha Abdel Rahman) at the Humboldt University in Berlin – Germany.

11/2012 – 01/2013

Visiting lecturer (Gast Professor) in Biopsychology at the University of Potsdam – Germany.

02/2009 – 10/2012

Post-doc fellow at the Department Psychology (Biopsychology Psychology; Neurocognitive Psychology) at the Humboldt University in Berlin – Germany.

PEER REVIEWED PUBLICATIONS

- Rose, S., **Aristei, S.**, Melinger, A., Abdel Rahman, R.. *The closer they are, the more they interfere: Semantic similarity of word distractors increases competition in language production*. Journal of Experimental Psychology: Learning, Memory, and Cognition (accepted). [IF: 2.776]
- Ouyang, G., Sommer, W., Zhou, C., **Aristei, S.**, Pinkpank, T., Abdel Rahman, R.(2016). *Articulation Artifacts During Overt Language Production in Event-Related Brain Potentials: Description and Correction*. Brain Topography, 29(6). [IF: 3.394]
- Fondevila, S., **Aristei, S.**, Sommer, W., Jiménez-Ortega, L., Casado, P., Martín-Loeches, M. (2015). *Counterintuitive Religious Ideas and Metaphoric Thinking: An Event-Related Brain Potential Study*. Cognitive Science A Multidisciplinary Journal, 40 (4) [IF: 2.917]
- Aristei, S.**, Abdel Rahman, R. (2013). *Semantic interference in language production is due to graded similarity, not response relevance*. Acta Psychologica, 144 (3). [IF: 2.248]
- Ewald, A., **Aristei, S.**, Nolte, G., Abdel Rahman, R. (2012). *Brain Oscillations and Functional Connectivity during Overt Language Production*. Special Issue in Frontiers in Psychology, 3 (166). [IF: 2.321].
- Aristei, S.**, Zwitserlood, P., Abdel Rahman, R.: *Picture-Induced Semantic Interference Reflects Lexical Competition during Object Naming*. Special Issue in Frontiers in Psychology 02/2012; 3:28. [IF: 2.321]
- Aristei, S.**, Melinger, A., Abdel Rahman, R.(2011). *Electrophysiological Chronometry of Semantic Context Effects in Language Production*. Journal of Cognitive Neuroscience, 23(7), 1567-86 (available online: 2010). [IF: 3.108]
- Abdel Rahman, R., **Aristei, S.** (2010). *Now you see it ... and now again: Semantic interference reflects lexical competition in speech production with and without articulation*. Psychonomic Bulletin & Review, 17(5), 657-61. [IF: 2.921]
- Aristei, S.**, R Abdel Rahman, M Kiefer (2009). *The role of spatial frequencies in the recognition and naming of natural and man-made objects*. Frontiers in Human Neuroscience 01/2008, 2. [IF: 3.209]
- Sarlo, M., Palomba, D., Stark, R., Schienle, A., **Aristei, S.**, Vaitl, D. (2004). *Neural responses towards disgusting and fear inducing film clips*. International Journal of Psychophysiology, 54 (1-2), 60. [IF: 2.582]

TEACHING AND SUPERVISION

SEMINARS AND LECTURES [Most recent evaluation, Academic Year 2016/17: overall score 100/100].

Within MSc programs in Cognitive Psychology

«Figurative language». Humboldt Universität zu Berlin, Germany.

«Neurocognition of visual attention». Humboldt Universität zu Berlin, Germany.

«Visual attention». Humboldt Universität zu Berlin, Germany.

«The semantic system». Humboldt Universität zu Berlin, Germany.

Within BSc programs in General Psychology

Lecture: «Language and Cognition». University of Luxembourg, Luxembourg.

Practicals in Experimental Psychology. University of Luxembourg, Luxembourg.

Seminar and practicals in Research Methods. Freie Universität, Berlin, Germany

Experimental theses supervised (4)

Amna Skrozic (BSc Thesis, ongoing), Kelly Sarah Anne Scholtes (BSc Thesis, ongoing), Juliane Schmidt (Master thesis, 2013 – **final score**: 1.3 equivalent to *outstanding*), Judith Henf (Bachelor thesis, 2012 – **final score**: 1.3 equivalent to *outstanding*).

3rd year experimental projects supervised (10)

Nancy König, Steffen Wiegert, Lea Maletzki, Anna Weinrich, Maria Kluger, Alina Karafiat, Anja Scheuer, Jovita Brüning, Jule Mütterlein, Juliane Schmidt.

International and national trainees (2)

David Hernandez, Claire Fuchs.

Other activities

Initiator and organizer of Journal Club meetings at the research group of Neurocognitive Psychology at the Humboldt University in Berlin.

FUNCTIONS IN ACADEMIC SELF-ADMINISTRATION

Doctoral committee member as mid-level faculty representative

- Bayer, Mareike: Emotion Effects in Visual Language Processing. December 2011. Humboldt Universität zu Berlin.
- Weinrich, André: Projective Evaluative Priming: Concepts and mechanisms. October 2011. Humboldt Universität zu Berlin.

External doctoral committee member

- Fondevila Estevez, Sabela (European PhD-Program): A study about semantic processing of counter-intuitive religious ideas with event-related potentials. December 2013. Universidad Complutense de Madrid.

Jury member for undergraduation theses:

- Christopher Weyer (BSc thesis): “Challenges versus Hindrances: Examining different Job Demands in the Quality of Work Index Luxembourg Survey”. February 2018. University of Luxembourg.

SCHOLARSHIPS & FELLOWSHIPS

11/2005 – 11/2008

3-year funding for PhD studentship in Cognitive Science, awarded by the University of Trento – Department of Cognitive Science and Education, Rovereto, Italy.

10/2005 – 03/2006

Research Fellowship awarded by the German Academic Exchange Service (DAAD), at the University of Ulm, Section of Cognitive Neuroscience. Research project: Conditional naming as double categorization. An electrophysiological study.

ORAL PRESENTATIONS & POSTERS (20)

- **Aristei, S.**, Lochy, A., Rossion, B., Schiltz, C.. A task independent brain signature of multilingual early visual word recognition. *20th Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany - September 3rd - 9th, 2017 (Poster).*

- **Aristei, S.**, ERP evidence for the impact of narrative genre on semantic encoding during online reading and later memory retrieval. *International Convention of Psychological Science, Vienna, Austria – March 23rd – 25th, 2017 (Poster)*.

- Dumay, N. & **Aristei, S.**. Cumulative semantic interference without lexical selection. *56th Psychonomic Society's Annual Meeting, Chicago, Illinois - USA, November 19th – 22th, 2015 (Oral presentation)*.

- Dumay, N. & **Aristei, S.**. Cumulative semantic interference without lexical selection. *19th Conference of the European Society for Cognitive Psychology (ES COP), Paphos, Cyprus, September 17th – 20th, 2015 (Oral presentation)*.

- Dumay, N. & **Aristei, S.**. Semantic cumulative interference and the cascading of information in speech production. *8th International Workshop on Language Production (IWOLP), Geneva, Switzerland, July 16th – 18th, 2014 (Poster)*.

- Fondevila, S., **Aristei, S.**, Sommer, W., Jiménez-Ortega, L., Casado, P., & Martín-Loeches, M. Are religious ideas special because they are seen as metaphors? An ERP study. *20th Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, California, April 13th – 16th, 2013 (Poster)*.

- **Aristei, S.**, Nerlich, T., Knoop, C., Lubrich, O., Sommer, W., Jacobs, A., & Abdel Rahman, R. Neurocognitive correlates of minimally counterintuitive concepts and their modulation by context affectivity. *Meeting of Experimental Psychology Society (EPS), London, United Kingdom, January 3rd – 4th, 2013 (Poster)*.

- **Aristei, S.**, Zwitterlood, P., & Abdel Rahman, R. Semantic interference and gender congruency in multiple-picture naming: ERP evidence. *7th International Workshop on Language Production (IWOLP), New York, USA, July 18th – 20th, 2012 (Poster)*.

- **Aristei, S.**, Nerlich, T., Knoop, C., Lubrich, O., Sommer, W., Jacobs, A., & Abdel Rahman, R. Neurocognitive correlates of minimally counterintuitive concepts and their modulation by context affectivity. *17th Meeting of European Society of Cognitive Psychology (ES COP), Donostia, San Sebastian, Spain, September 29th – October 2nd, 2011 (Oral presentation)*.

- **Aristei, S.** & Abdel Rahman, R. On the relevance of response relevance: Investigating semantic interference with conditional naming. *17th Annual Conference on Architectures and Mechanisms for Language Processing (AMLaP)*, Paris, France, August, 31st – September 3rd, 2011 (*Poster*).
- Abdel Rahman, R. & **Aristei, S.** Now you see it...and now again: Semantic interference reflects lexical competition in speech production with and without articulation. *6th International Workshop on Language Production (IWOLP)*, Edinburgh, United Kingdom, September 2nd – 4th, 2010 (*Poster*).
- **Aristei, S.**, Melinger, A., & Abdel Rahman, R. Electrophysiological signature of perceptual and conceptual inter-stimulus variance in object naming. *4th Concepts, Actions, Objects Workshop (CAOS)*, Rovereto, Italy, May 20th – 23rd, 2010 (*Poster*).
- **Aristei, S.**, Abdel Rahman, R., Sommer, W., & Kiefer, M. High and low spatial frequencies role in visual categorization during picture naming: ERP double dissociation. *3rd Concepts, Actions, Objects Workshop (CAOS)*, Rovereto, Italy, April 22nd – 25th, 2009 (*Poster*).
- **Aristei, S.** The role of spatial frequencies in the recognition and naming of natural and manmade objects. *10th International Conference on Cognitive Neuroscience (ICON)*, Bodrum, Turkey, September 1st – 5th, 2008 (*Poster*).
- **Aristei, S.**, Kiefer, M., & Job, R. Category – specific visual processing: ERPs and conditional picture naming paradigm. *13th Congress of Italian Society of Psychology (AIP)*, Section: *Experimental Psychology*, Como, Italy, September 17th – 19th, 2007 (*Oral Presentation*).
- **Aristei, S.**, Job, R., & Kiefer, M. Conditional naming: The locus of response decision revealed by ERPs. *4th International Workshop on Language Production (IWOLP)*, Münster, Germany, September 3rd – 5th, 2007 (*Poster*).
- **Aristei, S.**, Job, R., & Kiefer, M. Category-related effects of conditional picture naming. An electrophysiological analysis of a dual task during speech production. *15th Meeting of European Society of Cognitive Psychology (ESCOP)*, Marseille, France, August 29th – September 1st, 2007 (*Poster*).

- **Aristei, S.**, Kiefer, M., & Job, R. Conditional picture naming and dual-task paradigms: Shared effects. *12th Congress of Italian Society of Psychology (AIP), Section: Experimental Psychology, Rovereto, Italy, September 13th – 15th, 2006 (Oral Presentation).*
- **Aristei, S.**, Vespignani, F., & Job, R. A dual task at no cost. An electrophysiological study of picture conditional naming. *48th TeaP – German Congress of Experimental Psychology, Mainz, Germany, March 26th – 29th, 2006 (Poster).*
- Vespignani, F., **Aristei, S.**, & Job, R. Early Erp components during the picture conditional naming task. *12th Congress of Italian Society of Psychology (AIP), Section: Experimental Psychology, Cagliari, Italy, September 17th – 20th, 2005 (Oral Presentation).*

SYMPOSIA - ORGANIZATION

Context modulations of neurocognitive processes evoked by counterintuitive meanings.

Symposium at the 17th Meeting of the European Society of Cognitive Psychology – ESCOP – San Sebastian, Spain (2011, September).

Semantic context effects in speech production.

Symposium at the 52nd German Congress of Experimental Psychology – TeaP – Saarbrücken, Germany (2010, March).

INVITED TALKS AND SEMINARS (13)

2015

The (human) speech production system.

Lecture on the course "Cognition and Emotion, 2nd year compulsory module", School of Psychology, University of Exeter, Exeter, United Kingdom.

2014

On the competitive nature of word selection during speaking.

School of Psychology, University of Exeter, Exeter, United Kingdom

2014

Insights into learning from neurocognition of language.

Graduate School of Education, University of Bristol, Bristol, United Kingdom

2013

Why do horses graze more slowly when cows are in the same field?

Basque Center Brain & Language, San Sebastian, Spain

2012

- Neurocorrelates of lexical access during speech production. *Graduate School, Department of Cognitive Psychology, University of Trento, Rovereto, Italy.*
- Electrophysiological correlates of memory advantage for Minimal Counterintuitive Concepts *Graduate School, Department of Cognitive Psychology, University of Trento, Rovereto, Italy.*
- Electrophysiology of speech production: Neurocorrelates of competitive lexical selection *Basque Center on Cognition Brain and Language, San Sebastian, Spain*
- Electrophysiology of speech production: Neurocorrelates of competitive lexical selection *Graduate School, Department of Psychology, Leipzig University, Leipzig, Germany*
- EEG Analysis – Advanced Workshop. *Psycholinguistischer Methodenworkshop, Berlin, Germany.*

2011

EEG Analysis – Advanced Workshop. *Psycholinguistischer Methodenworkshop, Berlin, Germany.*

2010

- „The world of wonders“: The role of emotions and narration style in processing minimal counterintuitive concepts. *Narration and Emotion Workshop, Freie Universität zu Berlin, Berlin, Germany.*
- EEG Analysis – Basics Workshop. *Psycholinguistischer Methodenworkshop, Berlin, Germany.*
- On the relevance of response relevance. Dismissing the response exclusion hypothesis. *Max - Planck - Institute Nijmegen, Nijmegen, The Netherlands.*

PUBLIC DISSEMINATION AND MEDIA

Upcoming

Brain and Teaching.

Seminars and Workshops for high school teachers on “Educational Neuroscience for Teachers”, Esch-sur-Alzette, Luxembourg.

2012

Interviewed for the German national radio show (DRadio Wissen – Natur) on natural science (22 October) for my research on minimally counterintuitive concepts and the role of writing style in the cultural success of fairytales.

2011

Article in the German magazine on behavior and brain science “Geist & Gehirn” for my research on the contribution of minimally counterintuitive concepts and emotion to the success of fantasy narratives (11 October).

AD-HOC REVIEWING

Neuroimage [IF: 5.835]; Journal of Cognitive Neuroscience; Brain and Language; PLOS ONE; Brain Research; Frontiers in Psychology; Behavior Research Methods; Language, Cognition and Neuroscience; Quarterly Journal of Experimental Psychology

CURRENT COLLABORATIONS

- Bruno Rossion - Universitié Catholique de Louvain, Belgium
- Aliette Lochy - Universitié Catholique de Louvain, Belgium
- Anne-Marie Schuller - University of Luxembourg/Rehab Zenter, Luxembourg
- Constanze Weth - University of Luxembourg, Luxembourg
- Nicolas Dumay - University of Exeter, United Kingdom

LANGUAGES

- Italian: Mother tongue
- English: Fluent spoken and written
- German: Fluent spoken and written
- French: Very Good spoken and written
- Spanish: Very good spoken, good written