

# CURRICULUM VITAE

## PERSONAL INFORMATION

Name Carrie GEORGES ép. MAZZI  
Date of Birth 21<sup>st</sup> May 1989  
Nationality Luxembourgish  
Address Josef-Langel Straße 2  
D-66706 Perl, Germany  
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## EDUCATION

**2013 – 2017** **PhD in Psychology – Numerical Cognition (Excellent)**  
**Title: “Number-space associations as indexed by the SNARC effect – Their relations to mathematical abilities and anxiety & their underlying cognitive mechanisms”**  
**University of Luxembourg, Esch-Belval, Luxembourg**

2011 – 2012 MSc in Neuroscience (Merit)  
University College London, UK

2008 – 2011 BSc in Neuroscience (First-Class Honours)  
University of Nottingham, UK

2001 – 2008 Diplôme de fin d’études secondaires classiques – Natural Sciences and Mathematics (“très bien”)  
Lycée Robert-Schuman Luxembourg, Luxembourg

1995 – 2001 École primaire Munsbach, Luxembourg

## PROFESSIONAL EXPERIENCE

**March 2017 – present** **Postdoctoral Researcher in Numerical Cognition Research**  
**University of Luxembourg, ECCS, COSA, Esch-Belval, Luxembourg**

Dec 2013 – Feb 2017 Representative of the PhD students of the research unit ECCS  
University of Luxembourg, ECCS, COSA, Esch-Belval, Luxembourg

Nov 2012 – Dec 2012 Aide-comptable  
Bureau Comptable SOLAGNA Isabelle, Schifflange, Luxembourg

Oct 2012 – Nov 2012 Receptionist  
ECORE Group, Bertrange, Luxembourg

Sep 2012 – Oct 2012 Telephone Investigator  
TNS ILRES: Market Research Company, Luxembourg, Luxembourg

Jun 2010 – Jul 2010 Data archivist  
Banque Privée Edmond de Rothschild EUROPE, Luxembourg, Luxembourg

## SKILLS & TRAINING

### Language Skills

Luxembourgish  
German (C2)  
English (C2)  
French (C1)  
Italian (A1)

### Training

Jun 2019 Secondary data analysis of Large-Scale assessment using R  
The Luxembourg Institute of Socio-Economic Research (LISER), Luxembourg

Jun 2016	Bayesian Inference for the Social Sciences The Luxembourg Institute of Socio-Economic Research (LISER), Luxembourg
Dec 2015	Advanced Methods in Structural Equation Modelling – Mediation and Moderation Universität des Saarlandes, Saarbrücken, Germany
Aug 2014	Good scientific practice workshop University of Luxembourg, Limpertsberg, Luxembourg
Sep 2013	Excel 2010: Formules et Fonctions avancées Telindus Training Institute, Esch-sur-Alzette, Luxembourg
Jul 2013	Media Training for PhD students University of Luxembourg, Limpertsberg, Luxembourg
Jun 2013	Excel 2010: les Macros Telindus Training Institute, Esch-sur-Alzette, Luxembourg
May 2013	Project Management Course FAST Training, Limpertsberg, Luxembourg
Nov 2011	Imaging safety course Wellcome Trust Centre for Neuroimaging, London, UK

## ACHIEVEMENTS

### Grants

2019	Merit Based Funding Scheme Grant University of Luxembourg, FLSHASE, Esch-Belval, Luxembourg
2012	AFR PhD Grant Luxembourg National Research Fund (FNR), Esch-Belval, Luxembourg

### Awards

2010 – 2011	Academic Achievement Award for Outstanding Performance – Best 3 <sup>rd</sup> year Neuroscience undergraduate University of Nottingham, UK
2009 – 2010	Academic Achievement Award for Outstanding Performance – Best 2 <sup>nd</sup> year Neuroscience undergraduate University of Nottingham, UK
2008 – 2009	Academic Achievement Award for Outstanding Performance – Best 1 <sup>st</sup> year Neuroscience undergraduate University of Nottingham, UK

## SUPERVISION & TEACHING

### Supervision

#### **Academic Master theses in Psychology, FLSHASE, University of Luxembourg, Esch-Belval, Luxembourg**

2018 – 2020	Sandra Grethen. <i>TBD.</i>
2018 – 2020	Kim Harpes. <i>TBD.</i>
2018 – 2020	Amna Skrozic. <i>TBD.</i>
2015 – 2016	Julia Muller. <i>The differential effects of 2D mental rotation skills, visuo-spatial working memory and grade on arithmetic and visuospatial mathematics in 3-4 graders.</i> (Strand “Psychological Intervention”).
2015 – 2016	Sabina Dias Araujo. <i>The effects of cognitive styles and spatial ability on two differential mathematical components in elementary children.</i> (Strand “Psychological Intervention”).

#### **Academic Bachelor theses in Psychology, FLSHASE, University of Luxembourg, Esch-Belval, Luxembourg**

2018 – 2020	Morgane Pereira de Almeida. <i>TBD.</i>
2018 – 2020	Julie Weis. <i>TBD.</i>
2018 – 2019	Lisa Pansin. <i>Verbale und visuell-räumliche Fähigkeiten: Wie wichtig sind sie für die verbalen Zahlenfähigkeiten?</i>
2017 – 2018	Marc Dupont. <i>Spatial language’s effect on verbal math skills.</i>

### Teaching

#### **Academic Master in Psychology, FLSHASE, University of Luxembourg, Esch-Belval, Luxembourg**

2015 – present Strand “Psychological Intervention”: Learning and learning difficulties – Numeracy  
**Academic Master in Speech and Language Therapy, Université catholique de Louvain, Louvain-la-Neuve, Belgium**  
Feb 2018 Advanced issues and research in oral language and learning disorders  
**Academic Bachelor in Psychology, FLSHASE, University of Luxembourg, Esch-Belval, Luxembourg**  
2013 – 2014 Experimentalpraktikum (Practical Training Research)

#### PUBLICATIONS

- Georges, C., Cornu, V., & Schiltz, C. (2019). Spatial skills first: The importance of mental rotation for arithmetic skill acquisition. *Journal of Numerical Cognition*, 5(1), 5–23.
- Sosson, C., Georges, C., Guillaume, M., Schuller, A.-M., Schiltz, C. (2018). Developmental changes in the effect of active left and right head rotation on random number generation. *Frontiers in Psychology*. 9:236.
- Georges, C., Hoffmann, D., & Schiltz, C. (2018). Implicit and explicit number-space associations differentially relate to interference control in young adults with ADHD. *Frontiers in Psychology*. 9:775.
- Georges, C., Hoffmann, D., & Schiltz, C. (2017). How and why do number-space associations co-vary in implicit and explicit magnitude processing tasks? *Journal of Numerical Cognition*, 3(2), 182–211.
- Georges, C., Hoffmann, D., & Schiltz, C. (2017). Mathematical abilities in elementary school: Do they relate to number–space associations? *Journal of Experimental Child Psychology*, 161, 126-147.
- Georges, C., Hoffmann, D., & Schiltz, C. (2016). How Math Anxiety Relates to Number–Space Associations. *Frontiers in Psychology*, 7, 1401.
- Georges, C., Schiltz, C., & Hoffmann, D. (2015). Task instructions determine the visuospatial and verbal–spatial nature of number–space associations. *The Quarterly Journal of Experimental Psychology*, 68(9), 1895-1909.

#### WORK PRESENTED AT INTERNATIONAL CONFERENCES

- Georges, C., & Schiltz, C. (2019, September). Proportional reasoning in the bounded but not direct estimation in the unbounded number line task underlies the relation to arithmetics in second to fourth graders. Poster presented at the 21<sup>st</sup> Conference of the European Society for Cognitive Psychology, Tenerife, Spain.
- Georges, C., Cipora, K., et al. (2019, January). Prevalence of Spatial-Numerical Associations: Psychometric Approach. Talk presented at the Methods in Numerical Cognition Workshop, Budapest, Hungary.
- Georges, C., Cornu, V., & Schiltz, C. (2018, November). The relation between visuospatial abilities and verbal number skills in preschool: Adding spatial language to the equation. Talk presented at the Inaugural LuxERA Conference: “Luxembourg: A Unique Educational Context? Perspectives on Education (Research)”, Esch-Belval, Luxembourg.
- Georges, C., Cornu, V., & Schiltz, C. (2018, September). The relation between visuospatial abilities and verbal number skills in preschool: Adding spatial language to the equation. Poster presented at the Workshop on Integrating Educational and Cognitive Perspectives on Mathematics, Tübingen, Germany.
- Cipora, K., van Dijck, J.P., Georges, C., Masson, N., Schiltz, C., Pesenti, M., Willmes, K. & Nuerk, H.C. (2018, January). Minority pulls the sample mean: only about 35% of individuals reveal a consistent SNARC effect. Talk at the European Workshop on Cognitive Neuropsychology, Bressanone, Italy.
- Georges, C., Cornu, V., & Schiltz, C. (2017, September). Spatial skills first: The importance of mental rotation for arithmetic skill acquisition. Poster presented at the 20<sup>th</sup> Conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany.
- Georges, C., Hoffmann, D., & Schiltz, C. (2016, September). Mathematical abilities in elementary school: Do they relate to number-space associations? Poster presented at the 8<sup>th</sup> Expert Meeting on Mathematical Thinking and Learning, Utrecht, the Netherlands.

- Georges, C., Hoffmann, D., & Schiltz, C. (2015, October). Math anxiety is predicted by the strength of number-space associations, over and beyond arithmetic ability and WM. Poster presented at the Neuro-education of Number Processing Workshop, Hannover, Germany.
- Georges, C., Hoffmann, D., & Schiltz, C. (2015, September). The link between number-space associations and visuospatial abilities depends on visualization profile. Poster presented at the 6<sup>th</sup> International Conference on Spatial Cognition, Rome, Italy.
- Georges, C., Hoffmann, D., & Schiltz, C. (2015, May). Inhibitory control influences number-space associations in atypical young adults with ADHD. Poster presented at the Annual Meeting of the Belgian Association for Psychological Sciences (BAPS), Brussels, Belgium.
- Georges, C., Hoffmann, D., & Schiltz, C. (2015, April). Talk presented at the 7<sup>th</sup> Expert Meeting on Mathematical Thinking and Learning, Nijmegen, the Netherlands.
- Georges, C., Hoffmann, D., & Schiltz, C. (2015, March). Inhibitory Control Influences the SNARC Effect in Tasks without Explicit Reference to Numerical Magnitude. Poster presented at the International Convention of Psychological Science, Amsterdam, the Netherlands.
- Georges, C., Hoffmann, D., & Schiltz, C. (2014, October). Different number-processing tasks entail qualitatively different SNARC effects. Poster presented at the Workshop on Educational Neuroscience of Mathematics, Tübingen, Germany.
- Georges, C., Hoffmann, D., & Schiltz, C. (2014, May). Cognitive style influences number-space associations. Poster presented at the Annual Meeting of the Belgian Association for Psychological Sciences (BAPS), Leuven, Belgium.
- Georges, C., Hoffmann, D., & Schiltz, C. (2014, April). Task instructions determine the visuo-spatial and verbal-spatial nature of number-space associations. Poster presented at the 21<sup>st</sup> Annual Meeting of the Cognitive Neuroscience Society, Boston, USA.
- Georges, C., Hoffmann, D., & Schiltz, C. (2013, August). The SNARC effect and its relationship to spatial abilities in women. Poster presented at the 18<sup>th</sup> Conference of the European Society for Cognitive Psychology, Budapest, Hungary.
- Georges, C., & Hild, T. (2008, August). Regular Tessellations in Non-Euclidean Geometries. Talk and poster presented at the 8<sup>th</sup> Junior Mathematical Congress, Jena, Germany.
- Georges, C., & Hild, T. (2008, August). Possible models for the shape of our universe. Talk and poster presented at the 8<sup>th</sup> Junior Mathematical Congress, Jena, Germany.