

## Dr Lucía Magis Weinberg

Postdoctoral Research Associate | Adolescent Research Collaborative | UC Berkeley  
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### CURRENT POSITION

2018 – present      *Postdoctoral Research Associate*  
Adolescent Research Collaborative  
Institute of Human Development  
University of California at Berkeley

### EDUCATION

2013 – 2017      *PhD, Developmental Cognitive Neuroscience*  
Department of Experimental Psychology  
University College London  
Dissertation: *Cognitive control development in adolescence*

2012 – 2013      *MSc, Cognitive Neuroscience*  
Institute of Cognitive Neuroscience  
University College London  
Dissertation: *Social influence in risk perception in adolescence*

2011 – 2012      *Specialization, Applied Statistics*  
Institute of Applied Mathematics and Systems  
National Autonomous University of México

2005 – 2012      *MD*  
School of Medicine  
National Autonomous University of México

### RESEARCH EXPERIENCE

2013 – 2017      *Graduate student, Department of Experimental Psychology*  
University College London  
Supervisors: Dr Iroise Dumontheil and Dr Ruud Custers  
Thesis: Interaction between motivation and cognition in adolescence  
Skills: Experimental and statistical analysis of behavioural studies using SPSS and R and fMRI studies using SPM and Matlab. Task programming and implementation using Cogent 2000 and Matlab. Recruitment of typically-developing adolescents, liaison with parents and carers, coordination of visits to scanning facility. Certified user at BUCNI.

2016              *Visiting fellow, Helen Wills Neuroscience Institute*  
UC Berkeley  
Supervisors: Dr Carter Wendelken, Sue Whitfield-Gabrieli, and Dr Silvia Bunge  
Project: Structural and functional connectivity of the anterior salience and executive control networks in childhood and adolescence  
Skills: Analysis of MRI structural and connectivity data using CONN and R. Study pre-registration at the Open Science Framework.

2012 – 2013      *MSc student, Institute of Cognitive Neuroscience*  
University College London  
Supervisors: Dr Lisa Knoll and Prof Sarah-Jayne Blakemore  
Thesis: Social influence in risk perception in adolescence  
Skills: Statistical analysis of behavioural studies using R. Task programming and implementation using Cogent 2000 and Matlab. Data collection from a large sample of visitors at the Science Museum.

2010 – 2012      *Research assistant, Neuroscience Division*  
National Institute of Psychiatry  
Supervisor: Dr Francisco Pellicer  
Project: Neural correlates of an experimental model of phantom limb

Skills: Assisted with fMRI experimental design, data collection and analysis.

2010 *Summer research intern, Department of Neurology*  
University of Pennsylvania  
Supervisor: Dr Geoffrey Aguirre  
Project: de Bruijn cycles for neural decoding  
Skills: Assisted with algorithm design and development in Matlab.

## PUBLICATIONS

**Magis-Weinberg, L.**, Blakemore, S-J. & Dumontheil, I. (in press). Social and non-social relational reasoning during adolescence. *Journal of Cognitive Neuroscience*.

Knoll, L.J., **Magis-Weinberg, L.**, Speekenbrink, M. & Blakemore, S-J. (2015). Social influence of risk perception during adolescence. *Psychological Science*, 25, 583-592.

Hardwicke, T. E., Jameel, L., Jones, M., Walczak, E. J., & **Magis-Weinberg, L.** (2014). Only Human: Scientists, Systems, and Suspect Statistics. *Opticon*1826, 0(16), Art. 25.

Aguirre, G., Mattar, M., & **Magis-Weinberg, L.** (2011). de Bruijn cycles for neural decoding. *Neuroimage*, 56(3): 1293–1300

## PROJECTS IN PROGRESS

**Magis-Weinberg, L.** Wendelken, C., Ghetti, S., Cutting, L.E., Dumontheil, I., Whitfield-Gabrieli, S. & Bunge, S.A. (in prep, preregistered study at the Open Science Framework). Structural and functional connectivity between and within executive control and anterior salience networks over development

**Magis-Weinberg, L.**, Custers, R & Dumontheil, I. (in prep). Enhancement of cognitive control by reward context in adolescence and adulthood

**Magis-Weinberg, L.**, Custers, R., & Dumontheil, I. (in prep). Development of prospective memory in adolescence.

## FUNDING

2018	Co-PI on Transitions Grant, \$500 000
2013 –2017	CONACYT Studentship for PhD Programme, £87 000
2017	Co-PI on UCL Grand Challenges sponsorship for workshop, £1000
2017	Guarantors of Brain, Travel Award, £1000
2016	Bogue Visiting Scholar Fellowship, £3000
2016	Flux Society Travel Award, \$1000
2014	UCL Graduate School student conference travel award, \$250
2014	UCL Travel Grant, Human Factors in Science Symposium, £100
2014	UCL Cheltenham Festival Travel Award, £500
2012 – 2013	CONACYT Studentship for MSc Programme, £25 000
2012 – 2013	UCL-Santander Master’s Scholarship, £5000
2012 – 2013	UCL Global Excellence Postgraduate Scholarship, £5000
2011	Berlin School of Mind and Brain Travel Award, £2000
2010	University of Pennsylvania Summer Program in Computational Neuroscience, \$5000

## ACADEMIC CONFERENCE PRESENTATIONS

**Magis Weinberg, L.**, Van den Bos, W., Dahl, R. (September, 2018). Prospective memory in adolescence and adulthood. VI Flux Congress, Berlin, Germany (Poster presentation)

**Magis Weinberg, L.**, Custers, R., Dumontheil, I. (September, 2017). Prospective memory in adolescence and adulthood. V Flux Congress, Portland, OR (Poster presentation)

**Magis Weinberg, L.**, Custers, R., Dumontheil, I. (April, 2017). Enhancement of cognitive control in adolescence and adulthood. Society for Research in Child Development. Austin, TX. (Oral presentation)

**Magis Weinberg, L.**, Custers, R., Dumontheil, I. (September, 2016). Enhancement of cognitive control in adolescence and adulthood. IV Flux Congress. St Louis, MO (Poster presentation)

**Magis Weinberg, L.**, Blakemore, S-J., Dumontheil, I. (September, 2015). Social and non-social reasoning in adolescence and adulthood. III Flux Congress. Leiden, The Netherlands. (Poster presentation)

### **AD-HOC REVIEWER**

Psychological Science  
PlosOne  
Journal of Adolescent Health

### **MEMBERSHIPS**

2018 CONACyT National System of Researchers (SNI), first level (Candidate)  
2016 – present Society for Research in Childhood Development (SRCD)  
2013 – present Developmental cognitive neuroscience (Flux)  
2013 – present Society for Affective Neuroscience (SANS)

### **TEACHING EXPERIENCE**

2017 *Undergraduate/postgraduate module convener*  
Social Cognition (BSc + MSc)  
Department of Experimental Psychology  
University College London

2014 – 2016 *Postgraduate teaching assistant*  
Research and Quantitative Methods in Psychology (BSc)  
Department of Experimental Psychology  
University College London

2013 – 2017 *Secondary school tutor*  
Brilliant Club

### **OUTREACH**

2018 Data science workshop leader  
Science Club Mexico, fourth edition, June 2018

2018 Mentor for Women in STEM, Future Leaders  
US-Mexico Foundation

2018 Scientist at the Science of Learning Zone  
Wellcome Trust Neuroscience and Education team

2017 Co-organizer of UCL Grand Challenges Multidisciplinary Workshop on Social Integration of Young People, June 27, 2017.

2015 – 2017 Co-organizer of Cognitive Research Issues at University College London  
CRITUCL: A peer-led, postgraduate discussion group

2017 Young Driver Focus conference 2017  
Talk: “Inside the teenage brain”

2015 Co-organizer of *Is Science Broken?* Press coverage in Nature News: <http://goo.gl/zv4y36>  
Experimental Psychology, University College London

2015 Co-organizer of XIII Symposium of Mexican Students and Studies  
UCL Mexican Society, University College London

### **PUBLIC ENGAGEMENT**

2015 – present Executive Editor and cofounder, NeuroMexico.org  
2012 – 2016 Science Museum Ambassador

2016 Exhibitor at UCL SuperLAB!  
2016 Consulting on Cardboard Citizens production "Meta"  
2014 Supervisor of A levels students for in2Science  
2013 Presenter at UCL Bright Club