

# Ili Ma

Department of Psychology, NYU 6 Washington Place, NY 10003  
Phone: +1(646) 431 7758 | E-mail: Ili.ma@nyu.edu

---

## ACADEMIC POSITIONS

- Sept 2018 – current**      **Postdoctoral research fellow**  
New York University  
Advisor: Dr. Todd Gureckis
- July 2016 – Sept 2018**      **Postdoctoral researcher**  
Donders Centre for Cognitive Neuroimaging, Radboud University  
Advisor: Prof. Alan Sanfey
- Sept 2015 - July 2016**      **Research scientist**  
Behavioral Science Institute, Radboud University and Free University Amsterdam  
Advisor: Prof. Antonius H.N. Cillessen, Prof. Pol A.C. van Lier
- Jan 2008 - Aug 2009**      **Research assistant**  
Department of Psychopharmacology, Maastricht University  
Advisor: Dr. Anke Sambeth
- 

## EDUCATION

- June 2016**  
(defended Jan 2017)      **Ph.D. Clinical Developmental Psychology**  
Thesis: The interplay between motivation and inhibition in ADHD  
Radboud University, the Netherlands  
Advisors: Dr. Anouk Scheres, Dr. Gabry W. Mies, Prof. Antonius H.N. Cillessen
- July 2010**      **Masters of Science in Neuropsychology**  
Maastricht University, the Netherlands
- July 2010**      **Research Intern in Psychopharmacology & Neuroimaging**  
Maastricht University, the Netherlands

Advisor: Dr. Lisbeth Evers

**July 2009**

**Bachelor of Science in Biological psychology**

Maastricht University, the Netherlands

---

### **RESEARCH INTERESTS**

I am broadly interested in the computational and neurobiological mechanisms underlying social decision making, with potential applications to cognitive development, and psychiatric disorders. I use neuroimaging and computational modelling to acquire a mechanistic understanding of these topics. I am currently specifically interested in uncertainty and Bayesian computational modelling of active social information gathering strategies.

---

### **TEACHING & SUPERVISION**

- Inge Huijsmans (PhD student) co-supervision on the effects of scarcity on learning and decision-making
  - Susanne Asscheman (PhD student) co-supervision on the effects of chronic peer rejection on the neural sensitivity of social exclusion
  - Master thesis & internship supervision for Research Master 'Cognitive & Clinical Neuroscience
  - Master thesis & research internship supervision for Master track 'mental health psychology'
  - Bachelor thesis & research internship supervision
  - Thesis & research internship biomedical sciences minor
  - Teaching assistant for General Introduction to Psychology I Social psychology
  - Teaching assistant for General Introduction to Psychology II Brain and psychology
  - Practical: introduction to the brain
  - Guest lecturer Tilburg University: The neurobiology of memory, reinforcement, and addiction
- 

### **AWARDS**

- 2018 Rubicon Fellowship (134.764 euro), Netherlands Organization for Scientific Research (NWO). Full funding for a 2-year postdoctoral fellowship at New York University. Title: Active social learning and decision making: A Bayesian computational modelling approach
- 2013 EUNETHYDIS International Conference on ADHD Best poster award
- 2010 3rd International congress on ADHD Best poster award
- 

## **PUBLICATIONS**

### **Published**

- Mies, G. W., **Ma, I.**, de Water, E., Buitelaar, J. K., Scheres, A. (2018) Waiting and working for rewards: Attention-Deficit/Hyperactivity Disorder is associated with steeper delay discounting linked to amygdala activation, but not with steeper effort discounting. *Cortex*, in press.
- de Water, E., Mies, G. W., **Ma, I.**, Mennes, M., Cillessen, A.H.N., & Scheres, A. (2017). Neural responses to social exclusion in adolescents: effects of peer status. *Cortex*, 92, 32-43.
- **Ma, I.**, Mies, G. W., Rommelse, N., Buitelaar, J., & Scheres, A. (2017). Does an attention bias to appetitive and aversive words modulate interference control in youth with ADHD? *Child Neuropsychology*, 1-17.
- Civai, C., **Ma, I.** The enhancement of social norm compliance: prospects and caveats (2017). *Journal of Cognitive Enhancement*, 1, 26-30.
- **Ma, I.**, Rommelse, N., Buitelaar, J., Cillessen, A.H.N., & Scheres, A. (2017). Decision-making in social contexts in youth with ADHD, *European Child and Adolescent Psychiatry*, 1-10.
- **Ma, I.**, van Holstein, M., Mies, G. W., Mennes, M., Buitelaar, J., Cillessen, A.H.N., Cools, R., & Scheres, A. (2016). Ventral striatal hyperconnectivity during rewarded interference control in adolescents with ADHD, *Cortex*, 82, 225-236.
- **Ma, I.**, van Duijvenvoorde, A.C.K., & Scheres, A. (2016). The interaction between reinforcement and inhibitory control in children and adolescents with ADHD: a review and research guidelines, *Clinical Psychology Review*, 44, 94-111.
- **Ma, I.** (2016). The interplay between motivation and inhibition in ADHD. PhD thesis. Radboud University Nijmegen, the Netherlands.

### **Under review**

- **Ma, I.**, Halfwerk, K., Mies, G.W., Burk, W., Rommelse, N., Buitelaar, J.K., & Scheres, A. Using force to quantify inhibition impairment in ADHD: detrimental effects of appetitive cues.

### **In preparation**

- **Ma, I.**, Sanfey, A., & Ma, W.J. (in prep). Bayesian models of information sampling in trust decisions.
- Asscheman, S., **Ma, I.**, Koot, S., & van Lier, P.A.C (in prep). The neural correlates of social decision-making in chronically peer-rejected children.
- Huijsmans, I., **Ma, I.**, & Sanfey, A. (in prep). The neural mechanisms of valuation in scarcity versus abundance.
- Huijsmans, I., **Ma, I.**, Klaassen, F., & Sanfey, A. (in prep). Reversal learning under scarcity, abundance, and stress.

### **CONFERENCE PRESENTATIONS**

Ma, I., Sanfey, A.G., Ma, W.J. (2017). *Information sampling in trust decisions (poster)*. Society for Neuroeconomics, Toronto, Canada.

Ma, I., Sanfey, A.G., Ma, W.J. (2017). *Information sampling in trust decisions (poster)*. Cognitive Computational Neuroscience, New York, USA.

Ma, I., De Water, E., Mies, G., Scheres, A. (2016). *The development of self-control: inhibition and delay discounting (poster)*. Society for Neuroeconomics, Berlin, Germany.

Ma, I. (2016). *Using force to quantify inhibition failures in ADHD (oral presentation)*. Symposium on the behavioural science of ADHD. Nijmegen, the Netherlands.

Ma, I., Mies, G., Mennes, & Scheres, A. (2015). *How motivation colors interference control in ADHD (oral presentation)*. Belgian Association for Psychological Science, Brussels, Belgium.

Ma, I., Mies, G., Scheres, A. (2015). *The neural correlates of distraction in ADHD: Effects of task relevant and irrelevant reward associations on cognitive control (oral presentation)*. Dutch Neuroscience Meeting, Lunteren, the Netherlands.

Ma, I., van Holstein, H., Mies, G., Mennes, M., Buitelaar, J.K., Cools, R., Cillessen, A.H.N., & Scheres, A. (2015). *Ventral hyperconnectivity during rewarded interference control in adolescents with ADHD (poster)*. Flux: The International Society for Integrative Developmental Cognitive Neuroscience, Leiden, the Netherlands

Ma, I., van Holstein, H., Mies, G., Mennes, M., Buitelaar, J.K., Cools, R., Cillessen, A.H.N., & Scheres, A. (2015). *Ventral hyperconnectivity during rewarded interference control in*

*adolescents with ADHD (poster)*. Annual Meeting of the International Society for Research on Impulsivity, Amsterdam, the Netherlands

Ma, I. & Scheres, A. (2013). *Using force to quantify motivation and inhibition in ADHD (poster)*. 3rd EUNETHYDIS International Conference on ADHD, Istanbul, Turkey.

Ma, I. & Scheres, A. (2014). *Social decision making games in children with ADHD: the role of individual differences (poster)*. 3rd EUNETHYDIS International Conference on ADHD, Istanbul, Turkey.

Ma, I. & Scheres, A. (2012). *Inhibition and motivation interactions in ADHD (poster)*. 2nd EUNETHYDIS International Conference on ADHD, Barcelona, Spain.

Ma, I., Putnam, K., Scheres, A. (2010). *Motivation and interference control in ADHD (poster)*. 3<sup>rd</sup> International congress on ADHD. Berlin, Germany.

---

## **SKILLS**

- SPSS and R
- fMRI (SPM)
- Programming: MATLAB, Python, Presentation
- Neuropsychological testing and diagnostics
- Fluent in Dutch and English