

# LETICIA MICHELI

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## RESEARCH INTERESTS

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**Topics**      Decision Neuroscience - Social Cognition - Inequality - Fairness - Scarcity  
**Methods**     Laboratory Experiments - fMRI - TMS

## ACADEMIC POSITIONS

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**Würzburg University** *Oct 2021 - Present*  
Institute of Psychology  
Postdoctoral fellow  
Germany

**Leibniz University Hannover** *Aug 2020 - Sept 2021*  
Institute of Psychology  
Postdoctoral fellow  
Germany

**Donders Institute for Brain, Cognition and Behaviour** *2014 - 2015*  
Research Assistant  
The Netherlands  
Project | Neural Mechanisms of the impact of scarcity on consumer behaviour

**Bologna University** *April - July 2011*  
Research Assistant  
Italy  
Project | Numerical magnitude and embodied cognition

**Federal University of Minas Gerais** *2009 - 2011*  
Research Assistant  
Brazil  
Project | The neuropsychological profile of developmental dyscalculia

## EDUCATION

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**Ph.D. in Neuroeconomics** *Oct 2015 - July 2020*  
Maastricht University  
The Netherlands  
*Interpersonal interactions in an unequal world:*  
*Effects of inequality and unfairness on social and consumer behavior*  
Defense date: 19<sup>th</sup> November 2021  
Advisors | Prof. Dr. Caroline Goukens, Prof. Dr. Arno Riedl & Dr. Kelly Geyskens

**M.Sc. in Cognitive Neuroscience** *2012 - 2014*  
Donders Institute for Brain, Cognition and Behaviour  
The Netherlands  
*Promoting cooperation: The behavioral and neurobiological role of incentives*  
Advisors | Prof. Dr. Alan Sanfey & Dr. Mirre Stallen

**Study Abroad Program** *Jan - July 2011*  
Bologna University  
Italy

**B.Sc. in Psychology** *2007 - 2011*  
Federal University of Minas Gerais  
Brazil

## TEACHING & SUPERVISION

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### *Teaching Assistant*

#### **Management of Operations & Product Development**

2019

Maastricht University

Undergraduate level

Teaching evaluation: 8.6/10

#### **Consumer Behavior**

2016-2018

Maastricht University

Undergraduate level

Teaching evaluations: 8.7/10 (2015-2016) | 8.6/10 (2016-2017) | 9.1/10 (2017-2018)

#### **Strategic Marketing**

2015

Maastricht University

Undergraduate level

Teaching evaluation: 7.7/10

### *Supervision*

#### **Master Theses**

*Maastricht University*

L. Smeets (2019) | A. Boyarko (2019) | L. Duijsings (2018) | L. Marsigli (2018) | J. Mensen (2018)

L. van der Nat (2017) | V. Houben (2017) | S. Roelse (2017) | M. Schmitt (2017) | M. Leruth (2016)

S. Zgrzendek (2016) | D. Houben (2016) | D.A. Cetin (2016) | L. Malgherini (2016)

#### **Bachelor Theses**

R. Kuiten (2019, University College Maastricht) | A. Friesacher (2019, Maastricht University)

## PEER-REVIEWED PUBLICATIONS

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 Citations: 344 | h-index: 9 | i10-index: 9

### **2022**

Azevedo, F., Marques, T., & **Micheli, L.** (2022). In pursuit of racial equality: Identifying the determinants of support for the Black Lives Matter Movement with a systematic review and multiple meta-analyses. *Perspectives on Politics*. <https://doi.org/10.1017/S1537592722001098>.

Azevedo, F., Liu, M., Pennington, C.R., Pownall, M., Evans, T.R., Parsons, S., Elsherif, M., **Micheli, L.**, Westwood, S., & FORRT. (2022). Towards a culture of open scholarship: The role of pedagogical communities. *BMC Research Notes*, 15(75). <https://doi.org/10.1186/s13104-022-05944-1>. [Preprint]

Psychological Science Accelerator Self-Determination Theory Collaboration (2022). A Global Experiment on Motivating Social Distancing During the COVID-19 Pandemic. *PNAS*, 119(22), e2111091119. <https://doi.org/10.1073/pnas.2111091119>. [Preprint] Contributorship: Resources; Writing: review, and editing.

Parsons, S., Azevedo, F., Elsherif, M. M., Guay, S., Shahim, O. N., Govaart, G. H., Norris, E., ... **Micheli, L.**, ... & Aczel, B. (2022). A Community-Sourced Glossary of Open Scholarship Terms. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-021-01269-4>. [Preprint] Contributorship: Resources; Writing: review and editing.

### **2021**

**Micheli, L.**, Stallen, M., & Sanfey, A.G. (2021). The effect of centralized financial and social incentives on cooperative behavior and its underlying neural mechanisms. *Brain Sciences*, 11(3), 317. <https://doi.org/10.3390/brainsci11030317>.

Wang K., Goldenberg A., Dorison, C.A., Miller, J.K., Uusberg, A., Lerner, J.S., Gross, J.J., ... **Micheli, L.**, ... & Moshontz, H. (2021). A multi-country test of brief reappraisal interventions on emotions during the COVID-19 pandemic. *Nature Human Behavior* 5, 1089–1110. <https://doi.org/10.1038/s41562-021-01173-x>. Contributorship: Resources; Writing: review and editing.

## 2020

**Micheli, L.**<sup>†</sup>, & Gagnon, N.<sup>†</sup> (2020). Unequal chances: Ex ante fairness and individual control. *Scientific Reports*, 10, 21862. <https://doi.org/10.1038/s41598-020-78335-w>.

Tierney, W., Hardy, J. H. III., Ebersole, C., Leavitt, K., Viganola, D., Clemente, E., Gordon, M., Dreber, A.A., Johannesson, M., Pfeiffer, T., Hiring Decisions Forecasting Collaboration, & Uhlmann, E.L. (2020). Creative destruction in science. *Organizational Behavior and Human Decision Processes*, 161, 291-309. <https://doi.org/10.1016/j.obhdp.2020.07.002>. Contributorship: Member of Forecasting Collaboration.

## 2019

Huijsmans, I., Ma, I., **Micheli, L.**, Civai, C., Stallen, M., & Sanfey, A.G. (2019). A scarcity mindset alters neural processing underlying value-based decision making. *PNAS*, 116(24), 11699-11704. <https://doi.org/10.1073/pnas.1818572116>.

## 2012

Ferreira, O.F., Costa, D.S., **Micheli, L.R.**, Oliveira, L.F.S., Pinheiro-Chagas, P., & Haase, V.G. (2012). School Achievement Test: Normative data for a representative sample of elementary school children. *Psychology & Neuroscience*, 5(2), 157-164. <https://doi.org/10.3922/j.psns.2012.2.05>.

Gianelli, C., Ranzini, M., Marzocchi, M., **Micheli, L.R.**, & Borghi, A.M. (2012). Influence of numerical magnitudes on the free choice of an object position. *Cognitive Processing*, 13, Suppl.1, S185-S188. <https://doi.org/10.1007/s10339-012-0483-7>.

Haase, V.G., Julio-Costa, A., Pinheiro-Chagas, P., Oliveira, L.F.S, **Micheli, L.R.**, & Wood, G. (2012). Math self-assessment, but not negative feelings, predicts mathematics performance of elementary school children. *Child Development Research*, 2012. <https://doi.org/10.1155/2012/982672>.

Wood, G., Pinheiro-Chagas, P., Julio-Costa, A., **Micheli, L.R.**, Krinzinger, H., Kaufmann, L., Willmes, K., & Haase, V.G. (2012). Math anxiety questionnaire: Similar latent structure in Brazilian and German School children. *Child Development Research*, 2012. <https://doi.org/10.1155/2012/610192>.

<sup>†</sup> represents shared first authorship

## CHAPTERS IN PUBLISHED BOOKS

Haase, V. G., Costa, D.S., **Micheli, L.R.**, Oliveira, L.F.S., Moura, R.J., Wood, G. (2011). The nosological status of Developmental Dyscalculia. In. Capovilla, F.C. (Ed). Transtornos de aprendizagem:

o salto da análise laboratorial e reabilitação clínica para a política pública de prevenção via educação. São Paulo: Memnon, 2011, v.2.

## POLICY PAPERS & REPORTS

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Azevedo, F., Liu, M., Pennington, C.R., Pownall, M., Evans, T.R., Parsons, S., Elsherif, M., **Micheli, L.**, Moreau, D., & FORRT (2021). *Towards a culture of open scholarship: The role of pedagogical communities*. (Report No. RRE0080). Written evidence on reproducibility and research integrity. UK Parliament. [PDF] [UK Parliament Publication]

Breznau, N., Rinke, E. M., Wuttke, A., Adem, M., Adriaans, J., Alvarez-Benjumea, A., Azevedo, F., ... **Micheli, L.**, ... & Nguyen, H. (2019, January 26). The Crowdsourced Replication Initiative: Investigating Immigration and Social Policy Preferences. *Executive Report*. <https://osf.io/6j9qb/>

## UNDER REVIEW & PREPRINTS

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**Micheli, L.**<sup>†</sup>, Negrini, M.<sup>†</sup>, Schuhmann, T., & Riedl, A. (2021). Brain stimulation reveals distinct motives underlying reciprocal punishment and reward. [Review & Resubmit]

Azevedo, F., **Micheli, L.**, & Bolesta., D. S. (2021). Does Stereotype Threat contribute to the Political Knowledge Gender Gap? A Preregistered Replication Study of Ihme and Tausendpfund (2018). [Review & Resubmit]

Schumacher, A.<sup>†</sup>, & **Micheli, L.**<sup>†</sup>. Anticipated scarcity and stockpiling during the COVID-19 pandemic: The role of perceived threat, childhood SES and materialism. [Under Review]

Pownall, M., Azevedo, F., König, L.M., Slack, H.R., Evans, T., Flack, Z., Grinschgl, S., ... **Micheli, L.** ... & FORRT. The impact of open and reproducible scholarship on students' scientific literacy, engagement and attitudes towards science: A review and synthesis of the evidence. [Under Review] [Preprint]

Azevedo, F., Parsons, S., **Micheli, L.**, Strand, J., Rinke, E., Guay, S., Elsherif, M., Quinn, K., ... & FORRT (2021). Introducing a Framework for Open and Reproducible Research Training (FORRT). [Preprint]

Breznau, N., Rinke, E., Wuttke, A., Nguyen, H. H. V., Adem, M., Adriaans, J., Alvarez-Benjumea, A., ... **Micheli, L.**, ... & Żółtak, T. (2021, March 24). Observing Many Researchers Using the Same Data and Hypothesis Reveals a Hidden Universe of Uncertainty. [Under review] [Preprint]

Breznau, N., Rinke, E., Wuttke, A., Nguyen, H. H. V., Adem, M., Adriaans, J., Akdeniz, E., ... **Micheli, L.**, ... & Żółtak, T. (2021, May 18). How Many Replicators Does It Take to Achieve Reliability? Investigating Researcher Variability in a Crowdsourced Replication. [Revise & Resubmit] [Preprint]

<sup>†</sup> represents shared first authorship

## IN PREPARATION

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**Micheli, L.**, Geyskens, K., Goukens, C., & Riedl, A. More opportunities, better outcomes: Does inequality in opportunity call for outcome redistribution?

**Micheli, L.**, Geyskens, K., Briers, B., & Goukens, C. Climbing the ladder: Perceptions of high upward economic mobility increase status consumption among bottom-tier consumers.

**Micheli, L.**, Okamoto-Barth, S., Goebel, R., & Riedl, A. The neural mechanisms of positive and negative reciprocity: two sides of the same coin?

**Micheli, L.**, Breil, C., & Böckler, A. (2021). Perceptions of others' social affect and social cognition influences prosocial behavior.

## FUNDING

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### *Research*

**Study Award** 2020  
Center for Open Science | *SCORE* program €10000  
Project | Replication of Ihme and Tausendpfund (2018)

**Research Grant** 2019  
Graduate School of Business and Economics, Maastricht University (Spring Round) €1600  
Project | Income mobility, Inequality and Conspicuous Consumption

**Research Grant** 2018  
Graduate School of Business and Economics, Maastricht University (Fall Round) €3000  
Project | The roots of human justice: An interdisciplinary experimental investigation of punishment and reward in social interactions

### *Conference Organization*

**Conference Funding** 2018  
School of Business and Economics, Maastricht University €4300  
Neuroeconomics Talks 2018

**Conference Funding** 2018  
Universiteitsfond Limburg €3000  
Neuroeconomics Talks 2018

### *Travel Awards*

**Travel Award | NYU Shanghai** 2019  
Neuroeconomics Summer School €1000

### *Scholarships*

**Study Abroad** Jan - July 2011  
Federal University of Minas Gerais, Brazil  
Covering a semester of undergraduate studies at Bologna University, Italy

**Research Assistant Scholarship** 2009-2011  
FAPEMIG, Federal University of Minas Gerais, Brazil

**Student Assistant Scholarship** 2010-2011  
FAPEMIG, Federal University of Minas Gerais, Brazil

## AWARDS

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<b>First Place Award for Outstanding Achievement</b> by the Neuroeconomics Summer School, NYU Shanghai, China	2019
<b>Teaching Commendation</b> by the School of Business and Economics, Maastricht University, Netherlands Course   Consumer Behavior	2019
<b>Science Slam Best Talk</b> by the School of Business and Economics, Maastricht University, Netherlands	2018
<b>Best Poster &amp; Presentation in Education</b> by the V Post-Graduation Program Symposium in Neuroscience, Federal University of Minas Gerais, Brazil Poster   Mathematical self-efficacy: Influences on symbolic and non-symbolic performance	2011
<b>Academic Relevance</b> by the XIX Scientific Initiation Week, Federal University of Minas Gerais, Brazil Poster   Sex differences in self-efficacy and arithmetic performance	2010
<b>Academic Relevance</b> by the XVIII Scientific Initiation Week, Federal University of Minas Gerais, Brazil Poster   School Performance Test: Norms for a sample of two Minas Gerais' cities	2009

## RESEARCH VISITS

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<b>NHH Norwegian School of Economics</b> Visiting Researcher at FAIR The Choice Lab Host   Prof. Dr. Bertil Tungodden	2017 Bergen, Norway
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## INVITED TALKS

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Social Neuroscience: Implications to Education <i>Faculty of Education, Federal University of Minas Gerais, Brazil   <a href="#">Video Lecture</a></i>	Aug 2021 online
Give me a chance! Inequality of opportunity, Procedural Fairness and Redistribution <i>Science Slam, School of Business and Economics, Maastricht University, The Netherlands</i>	May 2018
Inequality of Opportunity: Unfairness of procedures and redistribution of outcomes <i>AIXperimental Economics in Progress, RWTH Aachen University, Germany</i>	March 2018
Inequality of Opportunity, Procedural fairness and Redistribution <i>FAIR The Choice Lab, NHH Norwegian Business School, Norway</i>	Oct 2017
Neural mechanisms of Social and Consumer Decision Making <i>CNS Alumni Keynote at Synapsium 2015, Radboud University Nijmegen, The Netherlands</i>	May 2015

## CONFERENCE PRESENTATIONS

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### *Presentations*

Azevedo, F., Marques, T., & Micheli, L. (2022). Towards racial equality: Identifying the determinants of support for the Black Lives Matter Movement with a systematic review and multiple meta-analyses. 4th Annual UK Political Psychology conference, online.

- Micheli, L.**, Negrini, M., Schuhmann, T. & Riedl, A. (2022). Brain stimulation reveals distinct motives underlying reciprocal punishment and reward. Workshop Fairness and the Moral Mind, online.
- Micheli, L.** & Azevedo, F. (2022). Introducing the Framework for Open and Reproducible Research Training (FORRT). ReproducibiliTea Groningen, online.
- Micheli, L.** & Azevedo, F. (2021). FORRT: A grassroots ECR-led international organization aiming to integrate Open Scholarship into higher education. Taiwanese Psychological Association, online.
- Micheli, L.**, Geyskens, K., Briers, B., & Goukens, C. (2018). Climbing the social ladder: Exploring the effect of economic inequality and income mobility on status consumption. Associatie van Sociaal Psychologische Onderzoekers (ASPO), Nijmegen, The Netherlands.
- Micheli, L.**, Geyskens, K., Goukens, C. & Riedl, A. (2017). Inequality of Opportunity, Procedural Fairness and Redistribution. 12th Nordic Conference on Behavioral and Experimental Economics, Gothenburg, Sweden.
- Micheli, L.**, Geyskens, K., Goukens, C. & Riedl, A. (2017). Inequality of Opportunity and Distributive Preferences. Tiber 2017 Symposium, Tilburg, The Netherlands.

### *Posters*

- Micheli, L.**, Breil, C., & Böckler, A. (2021). Perceptions of others' social affect and social cognition influences prosocial behavior. Society for Neuroeconomics, online.
- Negrini, M., **Micheli, L.**, Schuhmann, T. & Riedl, A. (2019). Reciprocal fairness and human justice. A brain stimulation study. Society for Neuroeconomics, Dublin, Ireland.
- Micheli, L.**, Stallen, M. & Sanfey, A. (2018). The effect of centralized financial and social incentives on cooperative behavior. Workshop on Social Norms and Behavioral Change, Philadelphia, USA.
- Micheli, L.**, Okamoto-Barth, S., Goebel, R. & Riedl, A. (2018). Positive and negative reciprocity: two sides of the same coin? Society for Neuroeconomics, Philadelphia, USA.
- Negrini, M., **Micheli, L.**, Schuhmann, T. & Riedl, A. (2018). Reciprocal fairness, punishment and reward in 2nd and 3rd party interactions. Society for Neuroeconomics, Philadelphia, USA.
- Micheli, L.**, Geyskens, K. & Goukens, C. (2016). Inequality of Opportunity and Giving behavior. Society for Neuroeconomics, Berlin, Germany.
- Stallen, M., **Micheli, L.** & Sanfey, A.G. (2014). The effect of incentives on cooperation. Society for Neuroeconomics, Miami, USA.
- Micheli, L.**, Stallen, M. & Sanfey, A.G. (2014). Naming and shaming: The effect of social incentives on cooperation. 13th Tiber Symposium of Psychology and Economics, Tilburg, The Netherlands.
- Micheli, L.**, Moura, R.J., Pinheiro-Chagas, P., Ferreira, F.O & Haase, V.G. (2011). Mathematical self-efficacy: Influences on symbolic and non-symbolic performance. V Symposium of Post-Graduation Program in Neuroscience, UFMG, Brazil.
- Micheli, L.**, Pinheiro-Chagas, P., Ferreira, F.O & Haase, V. G. (2010). Evaluation of the Math Anxiety Questionnaire: Psychometric and Neuropsychological Aspects. 6th Brazilian Congress of Brain, Behaviour and Emotion, Brazil.
- Micheli, L.**, Costa, D.S., Pinheiro-Chagas, P., Ferreira, F.O & Haase, V.G. (2009). The influence of math anxiety on academic performance. X Brazilian Congress of Neuropsychology, Brazil.



## WORKSHOPS

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**Integrating Open Scholarship into Higher Education** 2021  
Open Science and Replicability in the Behavioral Social Sciences, Chemnitz University of Technology, Online event

**Building a community from open scholarship pedagogy with FORRT** 2021  
Tier Spring Symposium - Instruction in Reproducible Research: Educational Outcomes, Online event.

## ACADEMIC SERVICE

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### *Professional Activities*

**Ambassador** for the *Centre for Open Science (COS)* 2022-Present

**Community Manager** of the 2020-Present  
*Framework for Open and Reproducible Research Training (FORRT)*

**Steering Committee** for the 2020-Present  
*Framework for Open and Reproducible Research Training (FORRT)* Ethics Team

### *Chair*

Panel on Inequality and decision-making at ASPO conference, Nijmegen, The Netherlands. 2018

### *Selection Committee*

Primary Data Collection Grant for PhD students (Fall Round) 2018  
Graduate School of Business and Economics, Maastricht University, The Netherlands.

### *Conference Organization*

Maastricht Neuroeconomics Talks 2018, Maastricht, The Netherlands 2018

Summer School: Introduction to Neuropsychometry, Brazil 2010

3rd Neuropsychology Journey, Brazil 2010

### *Ad-Hoc Reviewer*

Frontiers in Psychology, 2021  
European Association for Consumer Research, Ghent, 2018

## ADDITIONAL EDUCATION & TRAINING

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**CITI Program: Research, Ethics and Compliance Training** 2020  
Social and Behavioral Responsible Conduct of Research (RCR-1), online

**Neuroeconomics Summer School** 2019  
NYU Shanghai, Shanghai, China

**Advanced fMRI** 2018  
Donders Institute for Brain, Cognition and Behaviour, Nijmegen, The Netherlands



<b>Programming Economic Experiments with z-tree</b> University of Konstanz, Konstanz, Germany	2016
<b>Presentation Skills</b> Maastricht University, Maastricht, The Netherlands	2016
<b>Master's Thesis Supervision</b> Maastricht University, Maastricht, The Netherlands	2016
<b>Introduction to Problem-based Learning and Tutor Training</b> Maastricht University, Maastricht, The Netherlands	2016

## TECHNICAL SKILLS

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### *Neuroscientific Methods*

- fMRI - Certified User at Donders Institute for Brain, Cognition and Behavior
- TMS - Certified User at Maastricht University

### *Statistical Software*

- RStudio, RMarkdown, SPSS, Statistical Parametric Mapping (SPM), Brain Voyager

### *Programming Software*

- Eprime, Ztree

### *Research*

- Qualtrics, Prolific, CloudResearch

## LANGUAGES

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Portuguese	Native
English	C2, Common European Framework of Reference
Italian	C1, Common European Framework of Reference
German	A2, Common European Framework of Reference

## REFERENCES

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**Anne Böckler**, Professor of Research Methods & Social Cognition, Würzburg University ✉

**Arno Riedl**, Professor of Public Economics, Maastricht University. ✉

**Alan Sanfey**, Professor of Decision Neuroscience, Radboud University Nijmegen. ✉