

DR. SIMONE MALEJKA

Postdoctoral Research Associate

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EDUCATION

- 2017 **Doctorate in Cognitive Psychology (comparable to Ph.D.)**
University of Mannheim, Germany
Thesis: “Challenging the pole position of signal-detection theory in memory research”
Advisor: Arndt Bröder
- 2011 **Diploma in Psychology (comparable to M.Sc.)**
University of Mannheim, Germany
Thesis: “Why tests improve memory: A model-based analysis of the testing effect”
Advisor: Edgar Erdfelder

ACADEMIC POSITIONS

- 2018–present **Postdoctoral research associate**
Department of Experimental Psychology, University College London, UK
ESRC Project: “Measuring awareness in implicit cognition research”
Principal Investigator & Advisor: David R. Shanks
- 2017–2018 **Postdoctoral teaching fellow**
Department of Psychological Methods, University of Mannheim, Germany
Research topics: testing effect, source memory, model selection
Advisor: Thorsten Meiser
- 2014–2017 **Postgraduate teaching fellow**
Department of Experimental Psychology, University of Mannheim, Germany
Research topics: recognition and source memory, model selection
Advisor: Arndt Bröder
- 2011–2014 **Postgraduate research assistant**
Department of Experimental Psychology, University of Mannheim, Germany
DFG Project: “Continuous vs. discrete modeling of recognition and source memory”
Principal Investigator & Advisor: Arndt Bröder

- 2013 **Visiting researcher (six months)**
 Department of Experimental Psychology, University College London, UK
 Project: “A test of the distribution-based bifurcation model of the testing effect”
Advisor: David R. Shanks
- 2006–2011 **Student assistant**
 Department of Cognition & Indiv. Differences, University of Mannheim
Advisor: Edgar Erdfelder
- 2009 **Visiting researcher (six months)**
 School of Social Sciences, University of California at Irvine, USA
 Project: “A multinomial processing-tree model for the testing effect”
Advisor: William H. Batchelder

COMPETITIVE AWARDS

- 2017 **Winner of the MathPsych Best Poster Award**
 Awarded by the Society for Mathematical Psychology (SMP)
 Poster: “Testing core properties of recognition-memory models: Ranking judgments are consistent with two-high-threshold theory”
- 2016 **Recipient of the Shiffrin Travel Award**
 Awarded by the Indiana University at Bloomington
- Winner of the Rational Altruists Travel Award**
 Awarded by the University of Mannheim (*Rationale Altruisten Mannheim*)
 Paper: “Exploring the shape of signal-detection distributions in individual recognition ROC data”
- Winner of the TeaP Selected Poster Award**
 Awarded by the Cognitive Section of the German Society for Psychology (DGPs)
 Poster: “A serious caveat on using implied base rates to manipulate response bias in recognition”
- 2013 **Recipient of the Young Scholar Award in Social & Behavioral Sciences**
 Awarded by the Graduate School of Economic and Social Sciences (GESS)
 Research proposal: “Putting testing to the test: Why do tests improve memory?”

SCHOLARSHIPS

- 2017 **Travel scholarship**
 Granted by the German Society for Psychology (DGPs)
 Amount: € 240

SCHOLARSHIPS (CONTINUED)

- 2016 **Six-month full-study scholarship**
Granted by the University of Mannheim (*Landesgraduiertenförderung*)
Amount: €7,200
- 2015 **Travel scholarship for international conferences**
Granted by the German Academic Exchange Service (DAAD)
Amount: €1,200
- Six-month full-study scholarship**
Granted by the Graduate School of Economic and Social Sciences (GESS)
Amount: €7,200
- 2011 **One-year full-study scholarship**
Granted by the Graduate School of Economic and Social Sciences (GESS)
Amount: €14,400

INTERNAL GRANTS

- 2016 **SQL grants for international conferences**
Amount: €2,300 + €1,900
- 2015 **IPID4all grant and SQL grant for international conferences**
Amount: €1,100 + €3,200
- 2013 **Small grant for doctoral research abroad**
Amount: €760
- 2012 **Full funding for attendance of summer schools**
Amount: €1,100
- 2011 **Small grant for doctoral research and conferences**
Amount: €3,000

PEER-REVIEWED PUBLICATIONS

- 2017 Bröder, A., & Malejka, S. (2017). On a problematic procedure to manipulate response biases in recognition experiments: The case of “implied” base rates. *Memory, 25*, 736–743.
- 2016 Malejka, S., & Bröder, A. (2016). No source memory for unrecognized items when implicit feedback is avoided. *Memory & Cognition, 44*, 63–72.

CONFERENCE PRESENTATIONS

- 2017 Malejka, S., Ciecior, A. S., Möller, C., & Bröder, A. (2017, November). *No source memory without item memory despite increased motivation for source judgments after “new” responses*. Poster presented at the 58th Annual Meeting of the Psychonomic Society (Psychonomics), Vancouver, BC, Canada.
- Malejka, S., Heck, D. W., & Erdfelder, E. (2017, July). *Testing core properties of recognition-memory models: Ranking judgments are consistent with two-high-threshold theory*. Poster presented at the 50th Meeting of the Society for Mathematical Psychology (MathPsych), Warwick, UK. **Winner of the MathPsych Best Poster Award by the Society for Mathematical Psychology (SMP)**.
- Malejka, S., Heck, D. W., & Erdfelder, E. (2017, March). *Comparing recognition-memory models under minimal assumptions: Ranking judgments are consistent with two-high-threshold theory*. Talk given at the 59th Meeting of Experimental Psychologists (TeaP), Dresden, Germany.
- 2016 Malejka, S., & Bröder, A. (2016, November). *Implied versus actual base rates for manipulating response biases in recognition memory*. Poster presented at the 57th Annual Meeting of the Psychonomic Society (Psychonomics), Boston, MA, USA.
- Malejka, S., & Bröder, A. (2016, August). *On the shape of memory-strength distributions in individual ROC data*. Poster presented at the 49th Annual Meeting of the Society for Mathematical Psychology (MathPsych), New Brunswick, NJ, USA.
- Bröder, A., & Malejka, S. (2016, July). *Manipulating response bias in recognition memory: The case of implied base rates*. Talk given at the 6th International Conference on Memory (ICOM), Budapest, Hungary.
- Malejka, S., & Bröder, A. (2016, July). *On the shape of signal-detection distributions in individual recognition ROC data*. Talk given at the 6th International Conference on Memory (ICOM), Budapest, Hungary.
- Malejka, S., & Bröder, A. (2016, March). *A serious caveat on using implied base rates to manipulate response bias in recognition*. Poster presented at the 58th Meeting of Experimental Psychologists (TeaP), Heidelberg, Germany. **Winner of the TeaP Selected Poster Award by the *Fachgruppe Allgemeine Psychologie* of the German Society for Psychology (DGPs)**.
- 2015 Malejka, S., & Bröder, A. (2015, November). *The butcher-on-the-bus reversed: Is there convincing evidence of source memory for unrecognized items?* Poster presented at the 56th Annual Meeting of the Psychonomic Society (Psychonomics), Chicago, IL, USA.
- Malejka, S., Heck, D. W., & Erdfelder, E. (2015, July). *Discrete-state and continuous-strength models of recognition memory: Lure detection in the context of strong versus weak targets*. Poster presented at the 48th Annual Meeting of the Society for Mathematical Psychology (MathPsych), Newport Beach, CA, USA.

CONFERENCE PRESENTATIONS (CONTINUED)

- Malejka, S., & Bröder, A. (2015, March). *Source memory for unrecognized items—A procedural artifact*. Talk given at the 57th Meeting of Experimental Psychologists (TeaP), Hildesheim, Germany.
- 2014 Malejka, S., & Erdfelder, E. (2014, November). *Retrieval practice improves maintenance in memory—not memory retrieval*. Poster presented at the 55th Annual Meeting of the Psychonomic Society (Psychonomics), Long Beach, CA, USA.
- Malejka, S., & Bröder, A. (2014, July). *Source discrimination for unrecognized items? On empirical arguments against the high-threshold model of source memory*. Poster presented at the 36th Annual Meeting of the Cognitive Science Society (CogSci), Québec City, Canada.
- Malejka, S., & Bröder, A. (2014, July). *Beyond correlated model fits of continuous-strength and discrete-state models of recognition memory*. Talk given at the 47th Annual Meeting of the Society for Mathematical Psychology (MathPsych), Québec City, Canada.
- Malejka, S., & Speekenbrink, M. (2014, April). *Testing continuous and discrete models of signal detection: The effect of stimulus strength and perceptual noise*. Poster presented at the 56th Meeting of Experimental Psychologists (TeaP), Gießen, Germany.
- 2013 Malejka, S., & Speekenbrink, M. (2013, August). *Continuous vs. discrete models of signal detection: An exploration of the subjective uncertainty area*. Talk given at the 46th Annual Meeting of the Society for Mathematical Psychology (MathPsych), Potsdam, Germany.
- Malejka, S., & Erdfelder, E. (2013, July). *Disentangling the cognitive processes underlying the testing effect*. Poster presented at the 35th Annual Meeting of the Cognitive Science Society (CogSci), Berlin, Germany.
- Malejka, S., & Bröder, A. (2013, April). *Bridging the gap between continuous and discrete measurement models of recognition memory*. Talk given at the 55th Meeting of Experimental Psychologists (TeaP), Vienna, Austria.
- 2012 Malejka, S., & Bröder, A. (2012, September). *On the similarity of continuous and discrete measurement models of recognition memory*. Poster presented at the 48th Meeting of German Society for Psychology (DGPs), Bielefeld, Germany.
- Malejka, S., & Erdfelder, E. (2012, April). *Testing the testing effect: A multinomial processing-tree analysis*. Talk given at the 54th Meeting of Experimental Psychologists (TeaP), Mannheim, Germany.

UNIVERSITY SERVICE

- 2016–2018 Elected deputy to the graduate representative in the Council on Undergraduate Education at the University of Mannheim, Germany (*Studienkommission*)

TEACHING & STUDENT SUPERVISION

Primary instructor of undergraduate courses

- Fall 2017 Research methods: Data analysis using SPSS (50+ students)
Spring 2017 Diagnostic assessment: Psychological testing and assessment (20+ students)
Fall 2016 Research methods: Data analysis using SPSS (30+ students)
Spring 2016 Empirical research skills: Item and source memory (10+ students)
Spring 2015 Empirical research skills: How practice makes perfect (10+ students)
Fall 2014 Cognitive psychology: Classics of memory psychology (20+ students)

Co-supervisor of M.Sc. theses

- Fall 2017 Stefan Ebert: An empirical validation of the retrieval parameter in a multinomial processing-tree model for the testing effect.

Supervisor of B.Sc. theses

- Spring 2017 Ann Sophie Ciecior: No source memory for unrecognized items despite high participant motivation.
Christina Möller: Feedback salience explains apparent source memory for unrecognized items.
Fall 2014 Maria Stillfried: Easy versus difficult tests: Does test format moderate the testing effect in short-term retention?

Mentor of research interns

- Fall 2015 Myriam Guderjan: An empirical validation of the encoding parameter in a multinomial processing-tree model for the testing effect.
Maren Kupka: The testing effect in short-term retention—Fact or artifact?

ATTENDED WORKSHOPS & SUMMER SCHOOLS

- August 2014 **Workshop on “Bayesian Modeling in Cognitive Sciences”**
University of Amsterdam, Netherlands
Instructors: Michael D. Lee and Eric-Jan Wagenmakers
- June 2012 **Summer school on “Computational Modeling in Cognition”**
Berguen, Switzerland
Instructors: Klaus Oberauer, Stephan Lewandowsky, and Simon Farrell

AD-HOC REVIEWING

Experimental Psychology

MEMBERSHIPS

2014–present	Psychonomic Society
2013–present	Society for Mathematical Psychology Cognitive Science Society
2012–present	German Society for Psychology (DGPs)

TECHNICAL SKILLS

Statistics	SPSS (expert), R (proficient), JAGS (proficient), Stan (familiar)
Experiments	E-Prime (expert), PsychoPy (proficient)
Programming	MATLAB (familiar), Python (familiar), C/C++ (familiar)
Other	L ^A T _E X (expert)