

# juliawatzek

curriculum vitae

## contact

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## languages

german & english  
bilingual · french &  
spanish notions

## coding

⌘ R · Python · SAS ·  
Matlab · Netlogo ·  $\text{\LaTeX}$   
· Java · XML · HTML ·  
CSS · JavaScript

## education

2020	<b>Ph. D. Psychology / Cognitive Sciences</b>	Georgia State University
2017	<b>M. A. Psychology / Cognitive Sciences</b>	Georgia State University
2012	<b>B. S. Psychology</b>	Martin Luther University · Germany

## grants & awards

2016–2020	<b>Duane M. Rumbaugh Fellowship Grant</b>	Georgia State University
2020	<b>Assessment Grant</b>	repliCATS
2019	<b>Outstanding Graduate Student Research Award</b>	Georgia State University
2018	<b>Diversity Travel Award</b>	Animal Behavior Society
2016	<b>Birnbaum Scholarship</b>	Society for Computers in Psychology

## publications

\* group authorship   \* equal contribution

### preprints & submitted manuscripts

- **Watzek J**, Brosnan SF (*accepted pending revisions*) Decision-making biases in animals: A critical review. [Preprint] ↗
- **Watzek J**, Brosnan SF (*revised & resubmitted*) Capuchin and rhesus monkeys show sunk cost effects in a psychomotor task. [Preprint] ↗
- **Watzek J**, Hauber ME, Jack KM, Murrell JR, Tecot SR, Brosnan SF (*revise & resubmit*) The origins of collective decision-making: Insights into collective defense behavior from agent-based modeling.
- **Watzek J**, Brosnan SF (*submitted*) Capuchin monkeys (*Sapajus [Cebus] apella*) are more susceptible to contrast than to decoy and social context effects. [Preprint] ↗

### empirical articles

- [1] Cooper T<sup>\*</sup>, Zabinski CL<sup>\*</sup>, [& 10 others] (*in press*) Long-term memory of a complex foraging task in monitor lizards (Reptilia: Squamata: Varanidae). *J Herpetol.*
- [2] Campbell MW<sup>\*</sup>, **Watzek J**<sup>\*</sup>, Suchak M, Berman SM, de Waal FBM (2020) Chimpanzees (*Pan troglodytes*) tolerate some degree of inequity while cooperating but refuse to donate effort for nothing. *Am J Primatol* 82:e23084. ↗
- [3] Pope SM, Fagot J, Meguerditchian A, **Watzek J**, Lew-Levy S, Autrey MM, Hopkins WD (2020) Optional-switch cognitive flexibility in primates: Chimpanzees' (*Pan*

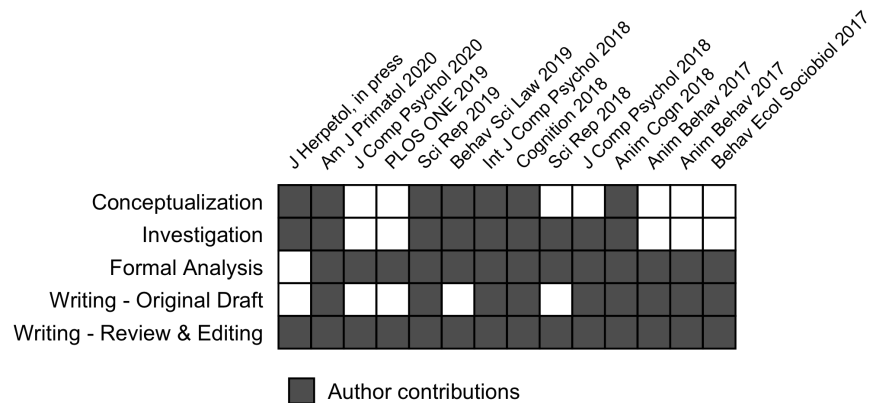
*trogodytes*) intermediate susceptibility to cognitive set.  
*J Comp Psychol* 134:98–109. ↗

- [4] ManyPrimates • [31 authors] (2019) Establishing an infrastructure for collaboration in primate cognition research.  
*PLOS ONE* 14:e0223675. ↗
- [5] **Watzek J**, Pope SM, Brosnan SF (2019) Capuchin and rhesus monkeys but not humans show cognitive flexibility in an optional-switch task.  
*Sci Rep* 9:13195. ↗
- [6] Aharoni E, Kleider-Offutt HM, Brosnan SF, **Watzek J** (2019) Justice at any cost? The impact of cost-benefit salience on criminal punishment judgments.  
*Behav Sci Law* 37:38–60. ↗
- [7] **Watzek J**, Whitham W, Washburn DA, Brosnan SF (2018) Responses to modified Monty Hall Dilemmas in capuchin monkeys, rhesus macaques, and humans.  
*Int J Comp Psychol* 31. ↗
- [8] **Watzek J**, Brosnan SF (2018) (Ir)rational choices of humans, rhesus macaques, and capuchin monkeys in dynamic stochastic environments.  
*Cognition* 178:109-117. ↗
- [9] Amici F, Call J, **Watzek J**, Brosnan SF, Aureli F (2018) Social inhibition and behavioural flexibility when the context changes: a comparison across six primate species.  
*Sci Rep* 8:3067. ↗
- [10] Talbot CF, Parrish A, **Watzek J**, Essler JL, Leverett KL, Paukner A, Brosnan SF (2018) The influence of reward quality and quantity and spatial proximity on the responses to inequity and contrast in capuchin monkeys (*Cebus [Sapajus] apella*).  
*J Comp Psychol* 132:75-87. ↗
- [11] Suchak M, **Watzek J**, Quarles LF, de Waal FBM (2018) Novice chimpanzees cooperate successfully in the presence of experts, but may have limited understanding of the task.  
*Anim Cogn* 21:87–98. ↗
- [12] Eppley TM, **Watzek J**, Hall K, Donati G (2017) Climatic, social and reproductive influences on behavioural thermoregulation in a female-dominated lemur.  
*Anim Behav* 134:25-34. ↗
- [13] Eppley TM, **Watzek J**, Dausmann KH, Ganzhorn JU, Donati G (2017) Huddling is more important than rest site selection for thermoregulation in southern bamboo lemurs.  
*Anim Behav* 127:153-161. ↗
- [14] Eppley TM, **Watzek J**, Ganzhorn JU, Donati G (2017) Predator avoidance and dietary fibre predict diurnality in the cathemeral folivore *Hapalemur meridionalis*.  
*Behav Ecol Sociobiol* 71:4. ↗

## review articles

- [15] ManyPrimates • [18 authors] (2019) Collaborative open science as a way to reproducibility and new insights in primate cognition research.  
*Jpn Psychol Rev* 62:205-220. ↗
- [16] Smith MF, **Watzek J**, Brosnan SF (2018) The importance of a truly comparative methodology for comparative psychology.  
*Int J Comp Psychol* 31. ↗

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## book chapters

- [17] Webster MF, **Watzek J**, Brosnan SF (2020) Strategies used by non-human primates in dynamic games. In: Capra CM, Croson R, Rigdon MI, Rosenblat T (eds) *Handbook of Experimental Game Theory*. Edward Elgar Publishing, p 256-270. ↗
- [18] **Watzek J**, Smith MF, Brosnan SF (2018) Comparative economics: Using experimental economic paradigms to understand primate social decision-making. In: di Paolo LD, di Vincenzo F, De Petrillo F (eds) *Evolution of Primate Social Cognition*. Springer, p 129-141. ↗
- [19] **Watzek J**, Brosnan SF (2018) Role-reversal experiment. In: Vonk J, Shackelford T (eds) *Encyclopedia of Animal Cognition and Behavior*. Springer. ↗

## presentations

### talks

- 2020\* "Captive capuchin monkeys' (*Cebus [Sapajus] apella*) food preferences are susceptible to contrast, decoy, and social context effects" International Primatological Society, Quito, Ecuador. (\* *accepted but withdrawn, COVID-19*)
- 2019 "Monkeys don't always follow the rules and neither should we: A comparative approach to studying cognitive flexibility." South Eastern Evolution and Human Behavior, Stone Mountain, GA.
- 2019 "ManyPrimates: A large-scale collaborative approach to studying primate cognition and behavior." American Society of Primatologists, Madison, WI.
- 2018 "Cognitive flexibility in humans and captive rhesus macaques (*Macaca mulatta*) and capuchin monkeys (*Cebus [Sapajus] apella*) in a simple problem-solving task." International Primatological Society, Nairobi, Kenya.
- 2017 "Strategic decision-making in capuchins (*Cebus apella*), rhesus monkeys (*Macaca mulatta*), and humans during a competitive two-player game." American Society of Primatologists, Washington, DC. [Published abstract] Am J Primatol 80(S1):39. ↗
- 2016 "Capuchin monkeys, but neither humans nor rhesus, are 'irrational maximizers' in a stochastic environment." Comparative Cognition Society, Boston, MA.
- 2015 "Chimpanzees assess potential benefits before investing in a cooperative task." American Society of Primatologists, Bend, OR. [Published abstract] Am J Primatol 77(S1):90. ↗

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- 2015 "More for me, less for you: Capuchin monkeys' (*Cebus apella*) responses to inequity in a group setting." Animal Behavior Society, Anchorage, AK.
- 2014 "Contextual stability of behaviorally assessed personality traits in two groups of captive chimpanzees (*Pan troglodytes*)." American Society of Primatologists, Decatur, GA. [Published abstract] Am J Primatol 76(S1):79. ↗
- 2014 "Navigating pitfalls of researcher/caretaker collaboration." [Invited talk] Georgetown College Seminar: Cognition, Enrichment, and Collaboration, Zoo Atlanta, GA.

### posters

- 2019 "Humans and captive capuchin monkeys (*Cebus [Sapajus] apella*) and rhesus macaques (*Macaca mulatta*) solve the Monty Hall Dilemma in a computerized task." American Society of Primatologists, Madison, WI.
- 2018 "WhatsOb: An Android app for note-taking during behavioral observations." International Primatological Society, Nairobi, Kenya.
- 2018 "Understanding collective defense behavior using agent-based modeling." Animal Behavior Society, Milwaukee, WI.
- 2017 "Justice at all costs? Transparency about the costs of incarceration decreases criminal sentencing recommendations by laypeople." Association for Psychological Science, Boston, MA.
- 2016 "Rational fools: Capuchins but not rhesus monkeys violate transitivity to maximize their gains in stochastic environments." Psychonomic Society, Boston, MA. [Published abstract] Abstracts of the Psychonomic Society 21:172-173
- 2016 "WhatsOb: An Android app for note-taking during behavioral observations." Society for Computers in Psychology, Boston, MA.
- 2016 "Rational fools: Capuchin monkeys' (*Cebus apella*) (ir)rational choices in stochastic environments." International Primatological Society and the American Society of Primatologists, Chicago, IL.
- 2011 "Less is more: Great apes' understanding of probabilities." Regional Conference of Developmental Psychologists, Halle (Saale), Germany.

### departmental talks

- 2016 "Rational fools: (Ir)rational choices of humans, rhesus macaques, and capuchin monkeys in dynamic stochastic environments." Cognitive Sciences Seminar, Georgia State University, Atlanta, GA.
- 2015 "More for me, less for you: Capuchin monkeys' (*Cebus apella*) responses to inequity in a group setting." Cognitive Sciences Seminar, Georgia State University, Atlanta, GA.

### posters by undergraduate mentees

- 2018 Gade PR. "Responses to modified Monty Hall Dilemmas in capuchin monkeys, rhesus macaques, and humans." Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.
- 2017 Le EH, Truscott CG. "Chimpanzees' and capuchin monkeys' responses to inequity in a group setting." Georgia State Undergraduate Research Conference, Georgia State University, Atlanta, GA.  
\* Best Poster Award (Social and Behavioral Sciences)
- 2016 Fakhri A, Le EH. "Capuchin monkeys respond to advantageous inequity." Psychology Undergraduate Research Conference, Georgia State University, Atlanta, GA.

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## research

2018–present	<b>ManyPrimates</b> Contributor · Project Coordinator (2019–present)	manyprimates.github.io
2014–2020	<b>Language Research Center</b> CEBUS Lab · Graduate Student Researcher (PI: Sarah Brosnan)	Georgia State University
2018–2019	<b>Herpetology Department</b> Graduate Student Researcher (PI: Joe Mendelson)	Zoo Atlanta
2018	<b>Evolution, Variation, and Ontogeny of Learning Lab</b> Visiting Research Scholar (PI: Cristine Legare) · Fieldwork Manipur, India	University of Texas at Austin
2016–2018	<b>Cooperation, Conflict, &amp; Cognition Lab</b> Graduate Student Researcher (PI: Eyal Aharoni)	Georgia State University
2012–2014	<b>Yerkes National Primate Research Center</b> Living Links Center · Lab Manager · Chimpanzee Research Specialist	Emory University
2011–2012	<b>Inkawu Vervet Project · South Africa</b> Field Research Assistant	U's of St Andrews, Neuchâtel, Zürich, & Cape Town
2010–2011	<b>Wolfgang Köhler Primate Research Center</b> Research Assistant · Thesis Student	Zoo Leipzig · Germany
2010–2011	<b>Educational Psychology Lab</b> Lab Coordinator	Martin Luther University · Germany
2010	<b>Child &amp; Adolescent Psychiatry &amp; Psychotherapy</b> Intern	St Elisabeth Hospital Halle · Germany
2009–2010	<b>Psychology of Perception Lab</b> Research Assistant	Martin Luther University · Germany
2009–2010	<b>Social Psychology Lab</b> Research Assistant	Martin Luther University · Germany

## teaching

### instructor of record

Spr 2020	<b>Advanced Research Design &amp; Analysis (Lab)</b> Advanced Undergraduate · <i>(moved partly online, COVID-19)</i>	Georgia State University
Spr 2019	<b>Introduction to Research Design &amp; Analysis</b> Advanced Undergraduate	Georgia State University
Fall 2017	<b>Introduction to General Psychology</b> Undergraduate	Georgia State University
Win 2009	<b>Introduction to R for Statistics</b> Undergraduate	Martin Luther University · Germany

### teaching assistant

Sum 2010/12	<b>Quantitative Methods II</b> Undergraduate	Martin Luther University · Germany
Win 2010	<b>Quantitative Methods I</b> Undergraduate	Martin Luther University · Germany

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## guest lecturer

Spr 2018	<b>Primate Models of Human Behavior</b> Advanced Undergraduate: Cooperation	Georgia State University
Spr 2018	<b>Introduction to Research Design &amp; Analysis</b> Advanced Undergraduate: z-Scores	Georgia State University
Fall 2015, Fall 2016, Spr 2018	<b>Psychology of Animal Behavior</b> Advanced Undergraduate: Aggression · Cooperation · Comparative Economics · Monkey Business: Comparative Economics and Decision-Making	Georgia State University
Spr 2014	<b>Primate Social Psychology</b> Advanced Undergraduate: Social Complexity of Non-Primates	Emory University

## professional societies

American Society of Primatologists · Animal Behavior Society · APA Division 3: Society for Experimental Psychology and Cognitive Science · APA Division 6: Society for Behavioral Neuroscience and Comparative Psychology · Comparative Cognition Society · International Primatological Society · Psychonomic Society

## ad hoc reviewer

Am J Primatol · Anim Behav Cogn · Biol Lett · J Comp Psychol · PLOS ONE · Philos T Roy Soc B · Sci Rep

## other activities

2020	<b>ManyPrimates Symposium</b> Organization Team	
2018–2020	<b>Hard Data Café</b> Cognitive Sciences Seminar Steering Committee	Georgia State University
2014–2015	<b>Cebus Lab Website</b> Webmaster	Georgia State University
2012–2014	<b>Living Links Website</b> Webmaster	Emory University
2008–2012	<b>Martin Luther University</b> Student Representative	
2011	<b>Conference of Experimental Psychologists</b> Conference Assistant	Germany
2011	<b>Regional Conference of Developmental Psychologists</b> Conference Assistant	Central Germany
2010	<b>Martin Luther University</b> Electoral Assistant	

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## outreach

2016, 2017	<b>Adventure in Science Day</b> Science outreach for children · Atlanta, GA	Fernbank Museum of Natural History
2015, 2017	<b>Brain Awareness Campaign</b> K-12 classroom visits · Atlanta, GA	Society for Neuroscience
2013	<b>Nerd Nite</b> Presentation · "We are 98% chimp and 50% bananas: What apes can teach us about our own shortcomings" · Atlanta, GA	
2012–2014	<b>Tour Guide</b> Yerkes National Primate Research Center	Emory University
2010–2011	<b>Tour Guide</b> Wolfgang Köhler Primate Research Center	Zoo Leipzig · Germany

## selected media coverage

My research has also been covered in other languages, including Chinese, Dutch, French, German, Italian, Norwegian, Portuguese, Russian, and Spanish.

Dec 2019	<b>Psychology Today</b> ↗ "3 ways to improve your cognitive flexibility"
Oct 2019	<b>idw Informationsdienst Wissenschaft (scientific information service)</b> ↗ "Leipzig primate researchers initiate global collaboration"
Oct 2019	<b>Global News Radio</b> [Radio] ON Point with Alex Pierson
Oct 2019	<b>IFLScience</b> ↗ "Brainy monkeys outsmart humans in cognitive flexibility experiment"
Oct 2019	<b>ScienceDaily</b> ↗ "Monkeys outperform humans when it comes to cognitive flexibility"
Oct 2019	<b>Live Science</b> ↗ "Game over: These monkeys just crushed humans on a computer game"
Oct 2019	<b>Daily Mail</b> ↗ "Monkeys OUTSMART humans in problem solving exercise to win food in test of cognitive flexibility"
Oct 2019	<b>Daily Star</b> ↗ "Monkeys beat humans at computer game in groundbreaking intelligence study"
Jun 2019	<b>Science Trends</b> ↗ "Lemurs groom high-ranking females in order to gain thermoregulatory benefits"
Jan 2019	<b>Georgia Public Broadcasting (GPB) Radio News</b> ↗ "Lock 'em up at any cost? Ga. study suggests most wouldn't"
Jan 2019	<b>Phys.org</b> ↗ "People likely to temper criminal sentences when given information about the cost of incarceration"