

# juliawatzek

curriculum vitae

## contact

j.watzek@gmail.com  
+1 (404) 840-6838

🏠 juliawatzek.com  
🐦 @watzoever  
🔗 jwatzek

## 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 (*submitted*) Capuchin monkeys (*Sapajus [Cebus] apella*) are more susceptible to contrast than to decoy and social context effects. [Preprint] ↗
- **Watzek J**, Hauber ME, Jack KM, Murrell JR, Tecot SR, Brosnan SF (*submitted*) On the origins of collective decision-making: Insights into collective anti-predator behaviors from agent-based modeling.

### empirical articles

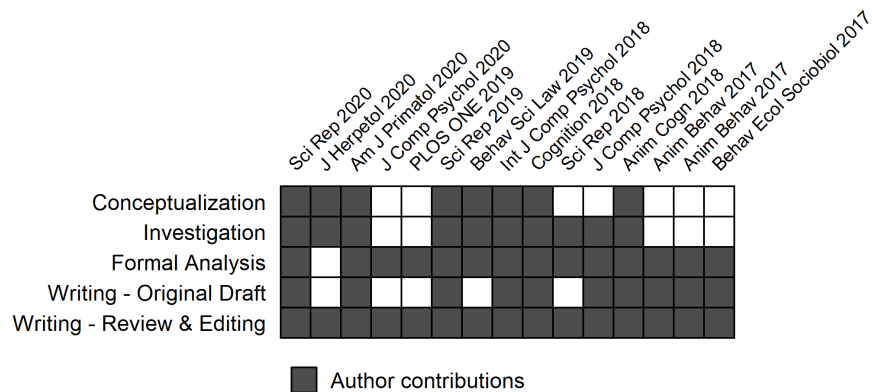
- [1] **Watzek J**, Brosnan SF (2020) Capuchin and rhesus monkeys show sunk cost effects in a psychomotor task. *Sci Rep* 10:20396. ↗
- [2] Cooper T<sup>\*</sup>, Zabinski CL<sup>\*</sup>, [& 10 others] (2020) Long-term memory of a complex foraging task in monitor lizards (Reptilia: Squamata: Varanidae). *J Herpetol* 54:378-383. ↗
- [3] 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. ↗
- [4] Pope SM, Fagot J, Meguerditchian A, **Watzek J**, Lew-Levy S, Autrey MM, Hopkins WD (2020) Optional-switch cognitive flexibility in primates: Chimpanzees' (*Pan troglodytes*) intermediate susceptibility to cognitive set.

*J Comp Psychol* 134:98–109. ↗

- [5] ManyPrimates • [31 authors] (2019) Establishing an infrastructure for collaboration in primate cognition research. *PLOS ONE* 14:e0223675. ↗
- [6] **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. ↗
- [7] 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. ↗
- [8] **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. ↗
- [9] **Watzek J**, Brosnan SF (2018) (Ir)rational choices of humans, rhesus macaques, and capuchin monkeys in dynamic stochastic environments. *Cognition* 178:109–117. ↗
- [10] 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. ↗
- [11] 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. ↗
- [12] 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. ↗
- [13] 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. ↗
- [14] 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. ↗
- [15] 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

- [16] 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. ↗
- [17] Smith MF, **Watzek J**, Brosnan SF (2018) The importance of a truly comparative methodology for comparative psychology. *Int J Comp Psychol* 31. ↗



## book chapters

- [18] 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. ↗
- [19] **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. ↗
- [20] **Watzek J**, Brosnan SF (2018) Role-reversal experiment. In: Vonk J, Shackelford T (eds) *Encyclopedia of Animal Cognition and Behavior*. Springer. ↗

## presentations

### talks

- 2020<sup>★</sup> "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. [Published abstract] Am J Primatol 82(S1):34. ↗
- 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.

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- 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. ↗
- 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. [Published abstract] Am J Primatol 82(S1):48. ↗
- 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.

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- 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.

## research

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

## teaching

### instructor of record

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

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## 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

## 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

## 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

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## other activities

2020–present	<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	

## selected media coverage

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

Mar 2021	<b>Georgia State News</b> ↗ "Primate research, coding skills lead Georgia State grad to work at Audible"
Jan 2021	<b>Forbes</b> ↗ "Monkeys fall for the sunk cost fallacy too, research suggests"
Jan 2021	<b>Futurity</b> ↗ "Monkeys stick with stuff that isn't working, too"
Dec 2020	<b>Interesting Engineering</b> ↗ "Monkeys playing video games experience 'sunk costs' just like humans"
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"

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- Oct 2019 **Daily Star** ↗  
"Monkeys beat humans at computer game in groundbreaking intelligence study"
- Jun 2019 **Science Trends** ↗  
"Lemurs groom high-ranking females in order to gain thermoregulatory benefits"
- Jan 2019 **Georgia Public Broadcasting (GPB) Radio News** ↗  
"Lock 'em up at any cost? Ga. study suggests most wouldn't"
- Jan 2019 **Phys.org** ↗  
"People likely to temper criminal sentences when given information about the cost of incarceration"