

juliawatzek

curriculum vitae

contact

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languages

german & english
bilingual · french &
spanish notions

coding

⌘ R · Python · SAS ·
Matlab · Netlogo · \LaTeX
· Java · XML · HTML ·
CSS · JavaScript

education

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

grants & awards

2016–2020	Duane M. Rumbaugh Fellowship Grant	Georgia State University
2020	Assessment Grant	repliCATS
2019	Outstanding Graduate Student Research Award	Georgia State University
2018	Diversity Travel Award	Animal Behavior Society
2016	Birnbaum Scholarship	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 (*revise & resubmit*) The origins of collective decision-making: Insights into collective defense behavior 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^{*}, Zabinski CL^{*}, [& 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^{*}, **Watzek J**^{*}, 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.

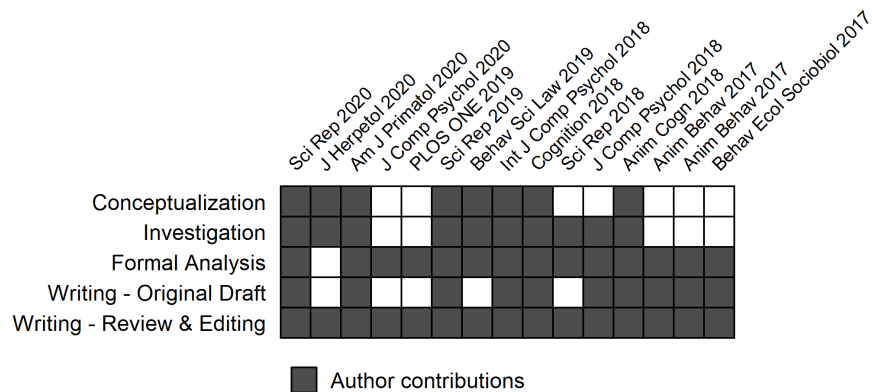
J Comp Psychol 134:98–109. ↗

- [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. ↗

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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[★] "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	Quantitative Methods II Undergraduate	Martin Luther University · Germany
Win 2010	Quantitative Methods I Undergraduate	Martin Luther University · Germany

guest lecturer

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

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

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outreach

2016, 2017	Adventure in Science Day Science outreach for children · Atlanta, GA	Fernbank Museum of Natural History
2015, 2017	Brain Awareness Campaign K-12 classroom visits · Atlanta, GA	Society for Neuroscience
2013	Nerd Nite Presentation · "We are 98% chimp and 50% bananas: What apes can teach us about our own shortcomings" · Atlanta, GA	
2012–2014	Tour Guide Yerkes National Primate Research Center	Emory University
2010–2011	Tour Guide 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	Psychology Today ↗ "3 ways to improve your cognitive flexibility"
Oct 2019	idw Informationsdienst Wissenschaft (scientific information service) ↗ "Leipzig primate researchers initiate global collaboration"
Oct 2019	Global News Radio [Radio] ON Point with Alex Pierson
Oct 2019	IFLScience ↗ "Brainy monkeys outsmart humans in cognitive flexibility experiment"
Oct 2019	ScienceDaily ↗ "Monkeys outperform humans when it comes to cognitive flexibility"
Oct 2019	Live Science ↗ "Game over: These monkeys just crushed humans on a computer game"
Oct 2019	Daily Mail ↗ "Monkeys OUTSMART humans in problem solving exercise to win food in test of cognitive flexibility"
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"