

Dr. SARAH GUINDRE-PARKER

ASSISTANT PROFESSOR OF BIOLOGY

Department of Ecology, Evolution & Organismal Biology — Kennesaw State University
Office 334, Science Building, 370 Paulding Ave NW, MD 1202, Kennesaw GA 30144
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POSITIONS

2019-present	Assistant Professor Department of Ecology, Evolution, & Organismal Biology, Kennesaw State University
2017-2019	Postdoctoral Fellow Department of Integrative Biology, University of Guelph & Department of Psychology, University of Michigan
2013-2017	Visiting Scientist Ornithology Department, National Museums of Kenya, Nairobi

EDUCATION

2017	PhD – Columbia University, New York City (USA)
2012	MSc – University of Windsor, Windsor (CAN)
2010	BSc – Simon Fraser University, Burnaby (CAN)

PUBLICATIONS (*† student/mentee author*)

1. †Kilgour DAV, †CR Linkous, TW Pierson & **S Guindre-Parker**. 2022. Sex ratios in the city: secondary offspring sex ratios, parental corticosterone, and parental body condition in an urban-adapted bird. *Frontiers in Ecology & Evolution*. 10: 894583
2. **Guindre-Parker S**, †DAV Kilgour & †CR Linkous. 2022. The development of behavioral and endocrine coping styles in nestlings from urban and rural sites. *General and Comparative Biology*. 327: 114091
3. †Little J, DR Rubenstein, & **S Guindre-Parker**. 2022. Plasticity in social behavior varies with reproductive status in an avian cooperative breeder. *Proceedings of the Royal Society B*. 289: 20220355 (Cover Article)
4. **Guindre-Parker S***, J Tung* & A Strauss*. 2022. Emerging frontiers in animal behavior and parasitism: integration across scales. In: *Research Frontiers in Animal Behavior and Parasitism*. Editors: V Ezenwa, S Altizer, R Hall. Oxford University Press. pg. 305-320. **equal contributions*
5. **Guindre-Parker S** & DR Rubenstein. 2021. Long-term measures of climate unpredictability shape the avian endocrine stress axis. *The American Naturalist* 198: 394-405.

CURRICULUM VITAE

Sarah Guindre-Parker – Assistant Professor – Kennesaw State University

6. **Guindre-Parker S.** 2020. Individual variation in glucocorticoid plasticity: considerations & future directions. *Integrative and Comparative Biology* 60: 79-88 (Invited Contribution)
7. **Guindre-Parker S & DR Rubenstein.** 2020. Survival benefits of group living in a fluctuating environment. *The American Naturalist* 195: 1027-1036
8. **Guindre-Parker S, A McAdam, F van Kesteren, R Palme, R Boonstra, S Boutin, J Lane, & B Dantzer.** 2019. Individual variation in phenotypic plasticity of the stress axis. *Biology Letters* 15: 20190260
9. **Guindre-Parker S & DR Rubenstein.** 2018. No short-term physiological costs of parental care in a cooperatively breeding bird. *Journal of Experimental Biology* 221: jeb186569
10. **Guindre-Parker S.** 2018. The evolutionary endocrinology of circulating glucocorticoids in free-living vertebrates: recent advances and future directions across scales of study. *Integrative and Comparative Biology* 58: 814-825 (Invited Contribution)
11. **Guindre-Parker S & DR Rubenstein.** 2018. The oxidative costs of parental care in cooperative and pair-breeding African starlings. *Oecologia* 188: 53-63
12. **Guindre-Parker S & DR Rubenstein.** 2018. Multiple benefits of alloparental care in a fluctuating environment. *Royal Society Open Science* 5: 172406 (Cover Article)
13. †Pikus, AE, **S Guindre-Parker & DR Rubenstein.** 2018. Testosterone, social status and parental care in a cooperatively breeding bird. *Hormones and Behavior* 97:85-93
14. Baldo S, DJ Mennill, **S Guindre-Parker**, H Gilchrist & OP Love. 2015. The oxidative cost of acoustic signals: examining steroid versus aerobic-activity hypotheses in a wild bird. *Ethology* 121:1081-1090
15. Baldo S, DJ Mennill, **S Guindre-Parker**, H Gilchrist & OP Love. 2014. Snow buntings sing individually distinctive songs and show inter-annual variation in song structure. *Wilson Journal of Ornithology* 126: 333-338
16. **Guindre-Parker S & OP Love.** 2014. Revisiting the condition-dependence of melanin-based plumage. *Journal of Avian Biology* 45: 29-33
17. **Guindre-Parker S, S Baldo, CA Macdonald, CM Harris, H Gilchrist & OP Love.** 2013. The oxidative costs of territory quality and offspring provisioning. *Journal of Evolutionary Biology* 26:2558-2565 (Cover Article)
18. **Guindre-Parker S, H Gilchrist, Baldo, S. & OP Love.** 2013. Alula size signals male condition and predicts reproductive performance in an Arctic-breeding passerine. *Journal of Avian Biology* 44:209-215 (Editor's Choice)
19. **Guindre-Parker S, H Gilchrist, S Baldo, S Doucet & OP Love.** 2013. Multiple achromatic plumage ornaments signal to multiple receivers. *Behavioral Ecology* 24:672-682

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Sarah Guindre-Parker – Assistant Professor – Kennesaw State University

20. Bourgeon S, **S Guindre-Parker** & TD Williams. 2011. Effects of sibling competition on growth, oxidative stress and humoral immunity: a two-year brood size manipulation. *Physiological and Biochemical Zoology* 84: 429-437
21. Elle E, S Gillespie, **S Guindre-Parker** & A Parachnowitsch. 2010. Variation in the timing of autonomous selfing among populations that differ in flower size, time to reproduction maturity and climate. *American Journal of Botany* 97: 1894-1902

In Revision

22. †Linkous CR, †DAV Kilgour & **S Guindre-Parker**. Physiological costs of total cholesterol in European starlings across an urban to rural gradient. Submitted to *Physiological and Biochemical Zoology*

Under Review

23. †Mitchell L, J Taglialatela & **S Guindre-Parker**. Does a social introduction alter cortisol in captive bonobos (*Pan paniscus*)? Submitted to *Journal of Zoo and Aquarium Research*

GRANTS & AWARDS

GRANTS

2023	NSF Career Life Balance Supplemental Funding
2022-2025	NSF Building Research Capacity of New Faculty in Biology
2021-2022	KSU Mentor-Protégé Grant
2021	Explorance Faculty Research Grant
2020-2021	KSU Mentor-Protégé Grant
2020-2021	KSU Seed Grant (with collaborator Dr. Glenn Young in Dept. of Mathematics)
2020	Animal Behavior Society Outreach Grant
2015-2017	NSF Doctoral Dissertation Improvement Grant
2016	Sigma Xi Grant in Aid of Research
2014	American Ornithologists' Union Research Award
2013	Animal Behavior Society Research Grant
2013	Columbia E3B Pre-Dissertation Research Grant
2011	Northern Scientific Training Program Grant

TRAVEL AWARDS

2021-2022	KSU External Mentorship Program Awardee
2018	Society for Integrative and Comparative Biology Travel Support
2017	Animal Behavior Society Graduate Student Travel Grant
2016	International Society for Behavioral Ecology Travel Grant
2016	Lynn Riddiford Best Poster Award at the SICB annual meeting

CURRICULUM VITAE

Sarah Guindre-Parker – Assistant Professor – Kennesaw State University

2016	Society for Integrative and Comparative Biology Housing Support
2014	Society for Integrative and Comparative Biology Housing Support
2012	Society for Integrative and Comparative Biology Housing Support
2012	North American Ornithological Conference Student Travel Award
2012	Canadian International Polar Year Travel Award
2008	Rising Starts of Research Travel Award

SCHOLARSHIPS & FELLOWSHIPS

2017-2019	NSERC Postdoctoral Fellowship
2012-2017	Columbia University Dean's Fellowship
2012-2015	NSERC PhD Graduate Scholarship
2011-2012	Ontario Graduate Scholarship
2010-2012	University of Windsor Scholarship
2010-2012	NSERC MSc Graduate Scholarship
2008	NSERC Undergraduate Research Award
2006-2010	SFU Gordon Shrum Entrance Scholarship

PRESENTATIONS (*— upcoming*)

INVITED PRESENTATIONS

2022	Kennesaw State University Retiree Association Speaker Series. Kennesaw, GA. Sep 13. Oral presentation
2022	American Ornithological Society Conference. San Juan, Puerto Rico. Jun 27 – Jul 2. (Symposium titled: “ <i>Avian responses to rainfall variability in temperate and tropical systems</i> ”)
2022	Department of Biology, California State University, Fresno CA. Mar 24. Virtual Oral presentation
2022	Frontiers in Social Evolution Seminar Series, Virtual Series. Mar 8. Oral presentation
2022	Oconee River Audubon Society Public Talk, Virtual Series. Feb 3. Oral presentation
2021	Animal Behavior Society Meeting, Virtual Meeting. Aug 3-6. Poster presentation (on education & outreach work)
2021	BlueNotes GLOBAL Conference, Virtual Meeting. Aug 2-4. Oral presentation
2021	Research Frontiers in Animal Behavior & Parasitism Symposium, University of Georgia, Athens, GA.

CURRICULUM VITAE

Sarah Guindre-Parker – Assistant Professor – Kennesaw State University

- 2021 Department of Ecology, Evolution and Organismal Biology, Kennesaw State University, Kennesaw GA.
- 2021 Department of Biological and Environmental Sciences, Georgia College State University, Milledgeville, GA.
- 2020 Department of Biology, Memorial University of Newfoundland, St. Johns, NF.
- 2020 Odum School of Ecology, University of Georgia, Athens, GA.
- 2019 Department of Biology, Georgia Southern University, Statesboro GA.
- 2019 Department of Biological Sciences, California State University, Chico CA.
- 2019 Federated Department of Biological Sciences, Rutgers University, Newark NJ.
- 2019 Department of Ecology, Evolution and Organismal Biology, Kennesaw State University, Kennesaw GA.
- 2018 Department of Biological Sciences, University of New Orleans, New Orleans LA.
- 2018 Department of Biological Sciences, University of Windsor, Windsor ON.
- 2018 Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor MI.
- 2018 Department of Integrative Biology Seminar Series, University of Guelph, Guelph ON.
- 2018 SICB Annual Meeting, San Francisco CA. (Symposium titled: “*Understanding the evolution of endocrine system variation through large-scale comparative analyses*”)
- 2016 SICB Annual Meeting, Portland OR. (Symposium titled: “*New Frontiers in the Integrative Study of Animal Behavior*”)

CONTRIBUTED PRESENTATIONS (*presenting author only*)

- 2022 SEEP Workshop on Integrating society, ecology, evolution, and plasticity to advance urban evolutionary ecology. May 20-21, Tempe AZ. Poster presentation
- 2022 SICB+ Annual Meeting. Jan 3-7, Phoenix AZ. Oral presentation
- 2021 Scholarship of Teach and Learning Summit, Virtual Meeting. Oct 7-8. Oral presentation
- 2021 Animal Behavior Society Meeting, Virtual Meeting. Aug 3-6. Oral presentation
- 2021 SICB Annual Meeting, Virtual Meeting. Jan 3-7. Oral presentation
- 2020 Animal Behavior Society Meeting, Virtual Meeting. Jul 27-31. Oral presentation
- 2020 SICB Annual Meeting, Austin, TX Jan 3-7. Oral presentation
- 2019 SICB Annual Meeting, Tampa, FL Jan 3-7. Oral presentation
- 2019 SICB Annual Meeting, Tampa, FL Jan 3-7. Poster presentation
- 2018 Joint Conference on Evolutionary Biology, Montpellier France. Aug 19-23. Poster presentation

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- 2017 Annual Conference of the Animal Behavior Society, Toronto, ON. Jun 12-16. Oral presentation. (*Finalist in the Allee Symposium for best student paper*)
- 2017 SICB Annual Meeting, New Orleans, LA. Jan 4-8. Oral presentation. (*Finalist in the Division of Animal Behavior's Best Student Presentation competition*)
- 2016 International Society for Behavioral Ecology, Exeter, UK. Jul 28 - Aug 3. Oral presentation
- 2016 SICB Annual Meeting, Portland OR. Jan 3-7. Poster presentation (*Awarded Division of Comparative Endocrinology's Lynn Riddiford best poster award*)
- 2014 International Society for Behavioral Ecology, New York NY. Jul 31- Aug 5. Oral presentation
- 2014 SICB Annual Meeting, Austin TX. Jan 3-7. Oral presentation
- 2012 North American Ornithology Conference, Vancouver BC. Aug 15-18. Oral presentation
- 2012 Ontario Ecology, Ethology & Evolution Colloquium, Hamilton ON. May 11-13. Oral presentation
- 2012 ArcticNet Scientific Meeting and International Polar Year Conference, Montreal QC. April 22-27. Poster presentation
- 2012 SICB Annual Meeting, Charleston SC. Jan 3-7. Oral presentation
- 2010 ArcticNet Scientific Meeting, Ottawa ON. December 14-17. Poster presentation
- 2008 Rising Stars of Research National Science Poster Competition, University of British Columbia, Vancouver BC. August 21-24. Poster presentation

STUDENT PRESENTATIONS (*mentee was presenting author*)

- 2022 **Zaynab Massenburg:** Symposium of Student Scholars, Annual Fall Meeting. Nov 17. Marietta GA. Poster presentation
- 2022 **Cole Bourque:** Symposium of Student Scholars, Annual Fall Meeting. Nov 17. Marietta GA. Poster presentation
- 2022 **Rachel Kaplan:** Wilson's Ornithological Society Conference. Jul 17-20. Santa Fe NM. Poster presentation
- 2022 **Joanna Gresham:** American Ornithological Society Conference. Jun 27-Jul 2. Puerto Rico. Oral presentation
- 2022 **Michelle Ross:** American Ornithological Society Conference. Jun 27-Jul 2. Puerto Rico. Oral presentation
- 2022 **Cole Bourque:** Symposium of Student Scholars, Annual Spring Meeting. April 19. Kennesaw GA. Poster presentation
- 2022 **Cherie Truesdell:** Symposium of Student Scholars, Annual Spring Meeting. April 19. Kennesaw GA. Poster presentation
- 2022 **Amberlee Cook:** Symposium of Student Scholars, Annual Spring Meeting. April 19. Kennesaw GA. Poster presentation

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- 2022 **Halimah Budeir:** Symposium of Student Scholars, Annual Spring Meeting. April 19. Kennesaw GA. Poster presentation
- 2022 **Joanna Gresham:** Georgia Chapter of The Wildlife Society Meeting. Feb 24-25, Covington GA. Poster presentation
- 2022 **Michelle Ross:** Georgia Chapter of The Wildlife Society Meeting. Feb 24-25, Covington GA. Poster presentation
- 2022 **Rachel Kaplan:** Georgia Chapter of The Wildlife Society Meeting. Feb 24-25, Covington GA. Poster presentation
- 2022 **Courtney Linkous:** SICB+ Annual Meeting. Jan 3-7, Phoenix AZ. Poster presentation
- 2022 **Denyelle Kilgour:** SICB Annual Meeting. Jan 3-7, Phoenix AZ. Oral presentation
- 2021 **Rachel Kaplan:** Symposium of Student Scholars, Annual Fall Meeting. Nov 18. Marietta GA. Poster presentation
- 2021 **Jamie Riddle:** Symposium of Student Scholars, Annual Fall Meeting. Nov 18. Marietta GA. Poster presentation
- 2021 **Julie Allsen:** Birla Carbon Symposium, Kennesaw GA. Aug 19. Poster presentation
- 2021 **Courtney Linkous:** American Ornithological Society Conference, Virtual Meeting. Aug 9-14. Poster presentation
- 2021 **Denyelle Kilgour:** American Ornithological Society Conference, Virtual Meeting. Aug 9-14. Poster presentation
- 2021 **Lauren Mitchell:** Animal Behavior Society Meeting, Virtual Meeting. Aug 3-6. Poster presentation
- 2021 **Rebecca Carey:** Animal Behavior Society Meeting, Virtual Meeting. Aug 3-6. Poster presentation
- 2021 **Julie Allsen:** Animal Behavior Society Meeting, Virtual Meeting. Aug 3-6. Poster presentation
- 2021 **Jasmine Little:** Animal Behavior Society Meeting, Virtual Meeting. Aug 3-6. Poster presentation
- 2021 **Courtney Linkous:** Animal Behavior Society Meeting, Virtual Meeting. Aug 3-6. Poster presentation
- 2021 **Denyelle Kilgour:** Animal Behavior Society Meeting, Virtual Meeting. Aug 3-6. Poster presentation
- 2021 **Grace Fatoyinbo** (Ecology Lab student): Symposium of Student Scholars, Virtual Meeting. Apr 29. Poster presentation
- 2021 **Courtney Linkous:** SICB Annual Meeting, Virtual Meeting. Jan 3-7. Oral presentation
- 2021 **Lauren Mitchell:** SICB Annual Meeting, Virtual Meeting. Jan 3-7. Poster presentation
- 2020 **Emma Maltos:** Symposium of Student Scholars, Virtual Meeting. Dec 3. Oral presentation (*Awarded 3rd runner-up university-wide for oral presentation*)

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- 2020 **Courtney Linkous:** Symposium of Student Scholars, Virtual Meeting. Dec 3. Oral presentation
- 2020 **Shelby Edge:** Symposium of Student Scholars, Virtual Meeting. Dec 3. Oral presentation
- 2020 **Kaitlyn Brown:** Animal Behavior Society Meeting, Virtual Meeting. Jul 27-31. Oral presentation
- 2020 **Jasmine Little:** Animal Behavior Society Meeting, Virtual Meeting. Jul 27-31. Oral presentation
- 2020 **Tiffany Ly:** Symposium of Student Scholars, Virtual Meeting. April 16. Poster presentation.
- 2020 **Jasmine Little:** Symposium of Student Scholars, Virtual Meeting. April 16. Oral presentation.
- 2017 **Becca Marcus:** Science and Engineering Fair, Westchester, NY. March 4. Poster presentation (*Awarded 4th place for poster presentation & selected as 2018 Regeneron Science Talent Search Scholar*)
- 2017 **Alyx Pikus:** Annual Conference of the Animal Behavior Society, Toronto, ON. Jun 12-16. Poster presentation
- 2016 **Alyx Pikus:** Department of Ecology, Evolution and Environmental Biology Student Seminar, New York NY. April 14. Oral presentation
- 2012 **Ryan Parker:** University of Windsor's Biology undergraduate student honors colloquium. April 24. Oral presentation (*Awarded 3rd place presentation prize*)
- 2012 **Ryan Parker:** Ontario Biology Day, Sudbury, ON. March 16-18. Oral presentation

TEACHING

INSTRUCTOR

- Fall 2022 Advanced Studies in Avian Ecology (BIOL 7950, hybrid)
Graduate class, Kennesaw State University
- Spring 2022 Ecology & Evolution Senior Seminar (BIOL 4399/6399, online)
Undergraduate & graduate class, Kennesaw State University
- Fall 2021 Science Communication (BIOL 7950, hybrid)
Graduate class, Kennesaw State University
- Fall 2020-22 Vertebrate Zoology (BIOL 3315K, hybrid)
Undergraduate class, Kennesaw State University
- Spring 2021 Advanced Studies in Avian Physiology (BIOL 7950, online)
Graduate class, Kennesaw State University
- Fall 2019-22 Ecology & Evolution Senior Seminar (BIOL 4399/6399, F2F, online & hybrid)
Undergraduate & graduate class, Kennesaw State University
- Fall 2019, S21 Ecology Lab (BIOL 3370L, F2F, online CURE)
Undergraduate class, Kennesaw State University

CURRICULUM VITAE

Sarah Guindre-Parker – Assistant Professor – Kennesaw State University

Spring 2017 Sustainable Development (Field course in Kenya)
Undergraduate class, Princeton & Columbia University

GUEST LECTURER & TEACHING ASSISTANT

2022 Guest Instructor – Graduate Research Methods in Biology (*2-week module: Field Methods in Ornithology*)
Kennesaw State University

2020 Guest Instructor – Graduate Research Methods in Biology (*2-week module: Longitudinal Research Methods*)
Kennesaw State University

2018 Guest Lecturer – Integrative Vertebrate Biology (*1 lecture*)
University of Guelph

2018 Guest Lecturer – Adaptational Physiology (*1 lecture*)
University of Guelph

2015 Guest Lecturer – Ecology of African Savannas (*1 lecture*)
University of Florida

2015 Graduate Teaching Assistant – Sustainable Development in Practice
Princeton & Columbia University

2013 Graduate Teaching Assistant – Fundamentals of Ecology and Evolution
Columbia University

2013 Graduate Teaching Assistant – Biology of African Animals and Ecosystems
Princeton & Columbia University

2010, 2011 Graduate Teaching Assistant – Introduction to Ecology
University of Windsor

MENTORSHIP

GRADUATE STUDENTS

2021-present **Michelle Ross, MS, Kennesaw State University**
Master's student: Lead contamination, physiology and behavior across urban-to-rural environments in European starlings
AOS Student Membership Recipient, Georgia Ornithological Society Student Grant Recipient, Animal Behavior Society Student Grant Awardee

2021-present **Joanna Gresham, MS, Kennesaw State University**
Master's student: Plumage quality across urban-to-rural environments in European starlings
SICB Student Grant Awardee, AOS Travel Award Recipient

2021-present **Rachel Kaplan, MS, Kennesaw State University**
Master's student: Stress in an urban-adapted bird
NSF GRFP Awardee

2020-2022 **Courtney Linkous, MS, Kennesaw State University**
Master's Thesis: Provisioning behavior and nestling health in European starlings

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across an urban to rural gradient
*AOS Student Grant Awardee, Sigma Xi GIAR Awardee, AOS Student
Membership Recipient
Now a Nature Educator*

- 2020-2022 **Denyelle Kilgour, MS, Kennesaw State University**
Master's Thesis: Sex ratios and the city: Parental corticosterone as mediators of the impact of urbanization on adaptive sex allocation in a common passerine
*AOS Student Membership Recipient, Outstanding Graduating Student Awardee
Now a PhD student at Tufts University with Dr. Michael Romero*
- 2015-2017 **Alyx Pikus, M.A. Columbia University**
Master's Thesis: Testosterone, social status and parental care in a cooperatively breeding bird
Now a Senior Program Manager at Oxbridge Academic Programs

UNDERGRADUATE STUDENTS

- 2021-present **Amberlee Cook, B.S. Kennesaw State University**
Independent Research Project: Differential white blood cell counts in an urban adapted bird
- 2021-present **Aisha Choudhary, B.S. Kennesaw State University**
Independent Research Project: Heavy metals and feather reflectance in an iridescent birds
- 2021-present **Cole Bourque, B.S. Kennesaw State University**
Independent Research Project: Insect availability as prey for breeding birds across an urban to rural gradient
2022 Summer Undergraduate Research Program Awardee (also received Birla Carbon Award, but declined for the SURP)
- 2020-2022 **Lauren Mitchell, B.A. Kennesaw State University**
Independent Research Project: Endocrine responses to changes in the social environment in captive bonobos
- 2021-2022 **Julie Allsen, B.S. Kennesaw State University**
Directed Methods Student (1x) and independent research: European starling point counts to monitor habitat use across seasons
*2021 Birla Carbon Scholar, Outstanding Graduating Student Awardee
Went on to work as an Ecologist with Volkert Inc.*
- 2021 **Jamie Riddle, B.S. Kennesaw State University**
Independent Research Project: Flight initiation distance in local birds across and urban-to-rural gradient
2021 Mentor-Protégé Award
- 2021 **Rebecca Carey, B.S. Kennesaw State University**
Independent Research Project: Starling parental behavior and nestling growth and development
Went on to work as a tutor after graduation
- 2020-2021 **Shelby Edge, B.S. Kennesaw State University**
Directed Methods Student (2x): Provisioning rates during nestling development in

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European starlings; Field techniques in avian behavioral ecology
2020 Mentor-Protégé Award
Went on to work as a technician for StimLabs

2020-2021

Emma Maltos, B.S. Kennesaw State University

Directed Methods Student (2x): Breeding phenology of European starlings across North America; Field techniques in avian behavioral ecology
2020 Mentor-Protégé Award
Went on to work as a Sustainability Analyst for Oldcastle APG

2020-2021

Jasmine Little, B.S. Kennesaw State University

Directed Methods Student (1x) and independent research: Avian behavioral plasticity in unpredictable environments
Went on to work for the GA Department of Natural resources

2020

Tiffany Ly, B.S. Kennesaw State University

Directed Methods Student: Endocrine responses to changes in the social environment in captive bonobos
Went on to work as an ophthalmology technician after graduation

2020

Leanne Belga, B.S. Kennesaw State University

Directed Methods Student: Field techniques in avian behavioral ecology

2020

Haley Lowin, B.S. Kennesaw State University

Directed Methods Student: Field techniques in avian behavioral ecology

2019-2020

Kaitlin Brown, B.S. Kennesaw State University

Directed Methods Student (2x): Field techniques in avian behavioral ecology, independent research on reproductive investment in birds
Went on to intern at Rollins Ranches after graduation

2019

Lilly Bell, B.S. Kennesaw State University

Directed Methods Student: Using hormone challenges in free-living animals

2016-2017

Becca Marcus, High school student, Mamaroneck High School

Independent Research Project: Immune costs of reproduction in a cooperative breeder
Attended Columbia University after high school

2011-2012

Ryan Parker, B.S. University of Windsor

Honor's Thesis: Are IgY levels condition-dependent in a passerine?

VOLUNTEERS & INTERNS

2022

Team Project Safe Flight; Cherie Truesdell, Amberlee Cook, Halimah Budeir, all B.S. Kennesaw State University

Collaborative project with Georgia Audubon: monitoring bird window collisions on our KSU campus and performed research on risk factors associated with death

2021

Blair Elliott, B.S. University of South Carolina

Intern: Field experiences in avian behavior and biological sampling
Stamps Scholar

2019

Student volunteers (Mackenzie Jordan, Arianna Acosta, Adelaide Obo), Kennesaw State University

CURRICULUM VITAE

Sarah Guindre-Parker – Assistant Professor – Kennesaw State University

Project: Literature searches for identifying novel tools and techniques to study animal behavior, physiology and ecology

2017-2018

Student volunteers (Katie Kariastumari), University of Guelph

Project: Literature search and meta-analysis on the use of hormone challenges in studying free-living vertebrates

2014, 2016

Field intern (Lea Pollack, Sarah Khalil), Mpala Research Centre

Project: Recording bird songs; performing behavioral observations; monitoring breeding

2013-2016

Field Assistants (Wilson Nderitu, Godfrey Manyas, Joseph Mosiany), Mpala Research Centre

Project: Trapping, sampling and observing cooperative breeding birds

GRADUATE COMMITTEE MEMBER/EXAMINER

2022-present

Leslie Lopez, MS, Kennesaw State University

Advisor: Dr Nick Green

2022

Levi Newediuk, PhD, Memorial University of Newfoundland

Advisor: Dr Eric Vander Wal

2021-present

Samantha Kennedy, MS, Kennesaw State University

Advisor: Dr Clint Penick

2021-present

Leah Rittenburg, MS, Kennesaw State University

Advisor: Dr Todd Pierson

2020-2022

Grace Cope, MS, Kennesaw State University

Advisor: Dr Clint Penick

2020-2022

Francis Mullan, MS, Kennesaw State University

Advisor: Dr Clint Penick

PROFESSIONAL DEVELOPMENT

2022

Center for Excellence in Teaching and Learning Workshop, Responding to Student Writing, Kennesaw State University

2021

Center for Excellence in Teaching and Learning Workshop, Active Learning Techniques That Work in All Teaching Modalities, Kennesaw State University

2021

Center for Excellence in Teaching and Learning Workshop, Thinking Intentionally About Your Academic Brand, Kennesaw State University

2021

Center for Excellence in Teaching and Learning Workshop, Incorporating Undergraduate Research into Your Course, Kennesaw State University

2021

Education Workshop, Lessons from Online Teaching and Learning, Animal Behavior Society

2020

Virtual Grants Conference, National Science Foundation

2020

Center for Excellence in Teaching and Learning Workshop, Online Survey Design for SOTL Projects, Kennesaw State University

CURRICULUM VITAE

Sarah Guindre-Parker – Assistant Professor – Kennesaw State University

- 2020 **Center for Excellence in Teaching and Learning Workshop**, Motivating Students in an Online Course, Kennesaw State University
- 2020 **Office of Research Summer Grant Writing Faculty Academy**, Office of Research, Kennesaw State University
- 2019 **Center for Excellence in Teaching and Learning Workshop**, Incorporating Research-Based Practices into your Teaching, Kennesaw State University
- 2019 **Weaving the Future of Animal Behavior**, NSF sponsored Early Career Professional Development Workshop
- 2017 **Instructional Skills Workshop**, University of Guelph

SCIENCE COMMUNICATION & PUBLIC OUTREACH

- 2022 **Grant [Press Release](#)**
Highlight of new NSF BIO-BRC grant awarded to my lab to explore how urbanization shapes heavy metal contamination in birds
- 2022 **Featured in Kennesaw State University Field Station Article**
Featured research program, and photos of my team working in the field
- 2022 **Article [Press Release](#)**
Highlight of research study led by undergraduate student Jasmine Little published in *Proceedings of the Royal Society B*
- 2022 **Featured in Kennesaw State University [Earth Day Feature Page](#)**
Featured research program, and photos of my team working in the field
- 2021 **Featured in Kennesaw State University [Multimedia Exposure Page](#)**
Featured research faculty interview, discussing ongoing work with MSIB graduate students
- 2020 **Featured in Kennesaw State University [Research with Relevance](#)**
Featured research faculty interview, discussing ongoing collaboration with Dr Glenn Young from the Dept. of Mathematics
- 2020 **Interviewed for Kennesaw State University [News](#)**
Featured faculty profile, discussing local bird field research and mentorship
- 2020 **Contributor for KSU Field Station's [Summer Days Blog](#)**
Authored blog post about first field season of data collection on local starlings
- 2020 **Interviewed for [The Investigator Research Magazine](#)**
Featured in Kennesaw State University's publication, discussing urban bird research and the university field station
- 2020 **Contributor for [Integrative and Comparative Biology Blog](#)**
Authored blog post about recently published journal article on whether all animals regulate endocrine stress responses similarly
- 2020 **Contributor for [American Society of Naturalists Blog](#)**
Authored blog post about recently published journal article on adult survival and group living in African starlings

CURRICULUM VITAE

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- 2019, 2020 **Mentor for Letters to a Pre-Scientist**
Corresponded with a primary school pen pal about being a scientist, conducting research, and hobbies
- 2019 **Guest Speaker for Skype a Scientist**
Spoke with several high school classes about preparing for college, being a scientist, and conducting research on animal behavior
- 2015, 2016 **Guest Speaker at Primary and Secondary School**
Delivered presentations on research and education to primary and secondary school students throughout Kenya
- 2015 **Volunteer for Laikipia Rabies Vaccine Campaign**
Helped at mobile clinic in Kenya to educate pet owners and vaccinate dogs against rabies
- 2015 **Volunteer for Daraja Day**
Taught Kenyan high school girls about ornithology and field research methods; explained PhD research results and importance
- 2015 **Contributor to Mpala Research Center newsletter**
Guindre-Parker, S. Costs of reproduction. The Mpala Memos – newsletter for the Mpala Research Centre. July 2015 Edition
- 2014 **Scientific Consultant for PBS**
Advised producers of a 3-part [PBS documentary “Animal Homes”](#)
- 2013, 2014 **Volunteer for Wild Bird Fund of New York City**
Rehabilitated New York city birds
- 2012 **Contributor to local naturalists’ club newsletter**
Guindre-Parker, S. Snow bunting plumage quality: from feather to father? The Egret. Volume 28. *Also included in the Snow Bunting Report, from the Canadian Snow bunting network.*
- 2011 **Interviewed for Nunatsiq News**
Research on Arctic bird behavior featured in “The snow bunting’s spring tune-up”. April 22nd Edition.

PROFESSIONAL SERVICE

INSTITUTIONAL

- 2022-present **Search Committee Member**
Kennesaw State University College of Science & Math, Cluster hire search
- 2021-present **Mentor for Ornithological Society at Kennesaw State**
Faculty mentor for student organization, volunteered
- 2021-2022 **PhD Program Development Committee**
Kennesaw State University College of Science and Mathematics, appointed
- 2020-2022 **Mentor for TEAM OWLS**
Kennesaw State University’s transfer student mentorship program, volunteered

CURRICULUM VITAE

Sarah Guindre-Parker – Assistant Professor – Kennesaw State University

- 2020 **Diversity, Equity & Inclusion Departmental Task Force**
Kennesaw State University Dept EEOB, volunteered
- 2019-2022 **Departmental Faculty Council**
Kennesaw State University Dept EEOB, elected
- 2019-2020 **Search Committee Member**
Kennesaw State University Dept EEOB, Aquatic Animal Ecologist search

SCIENTIFIC COMMUNITY

- 2021 **Frontiers in Animal Behavior & Parasitism Speed Networking Participant**
Faculty mentor participant in a speed networking event during a virtual conference; provided networking, research, and career advice
- 2021 **SICB “Elizabeth Adkins-Regan Poster Award” Judge**
Judged virtual student poster presentations; provided feedback to participants
- 2018-2021 **SICB Broadening Participation Mentorship Program**
Mentored students (8x) during annual SICB meetings; provided networking, research, and career advice
- 2020 **ABS Turner Award Mentor**
Mentored an undergraduate student selected as part of the Turner Award program, a professional development program aiming to increase diversity in the field of Animal Behavior
- 2020 **ABS Conference Mentorship Program**
Mentored students (4x) during a virtual conference; provided networking, research, and career advice
- 2020 **SICB Session Chair**
Chaired the ‘*STRESS*’ oral presentation session at the Society for Integrative and Comparative Biology’s annual meeting
- 2011 **Judge for the Windsor Science, Technology and Engineering Fair**
Judged elementary school science presentations; provided feedback

REVIEWER

- 2020, 2022 **Panelist** for the National Science Foundation (NSF)
- 2017, 2019, 2021 **Grant Reviewer** for the Animal Behavior Society
- 2012-present **Journal Peer Reviewer** for Proceedings of the National Academy of Science, Ecology and Evolution, Journal of Animal Ecology, Trends in Ecology & Evolution, Journal of Experimental Biology, Avian Conservation & Ecology, General & Comparative Endocrinology, Journal of Ornithology, Animal Behavior, Journal of Comparative Physiology B, Wilson Journal of Ornithology, Conservation Physiology, Avian Biology Research, Proceedings of the Royal Society, Oecologia, Auk, Behavioral Ecology, Journal of Avian Biology, PLOS ONE, Behavioral Ecology and Sociobiology, Integrative and Comparative Biology