

Mareike Cora Janiak

Bioinformatics Analyst
 Canadian Centre for Computational Genomics
 Montreal, QC, Canada

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EDUCATION

- 2018 Ph.D. in Anthropology
 Rutgers University
 Dissertation: *Adaptations for Folivory and Insectivory in the Digestive Enzymes of Nonhuman Primates*
 Committee: Robert S. Scott (chair), Erin R. Vogel, Ryne A. Palombit, Todd R. Disotell
- 2014 M.A. in Anthropology
 Rutgers University
- 2010 B.A. in Psychology
 University of Texas at Austin
 With honors, with special honors in psychology

PROFESSIONAL APPOINTMENTS

- 2023 – present Bioinformatics Analyst, Canadian Centre for Computational Genomics
- 2022 – 2023 Postdoctoral Consultant, Department of Anthropology, New York University
- 2020 – 2022 Postdoctoral Research Associate, School of Science, Engineering, and Environment, University of Salford
- 2018 – 2020 Postdoctoral Research Scholar, Department of Anthropology & Archaeology, University of Calgary
- 2019 – 2020 Postdoctoral Fellow, Alberta Children’s Hospital Research Institute, University of Calgary

PUBLICATIONS

- Beck, RMD, de Vries, D, **Janiak, MC**, Goodhead, IB, & Boubli, JP. Total evidence phylogeny of platyrrhine primates and a comparison of undated and tip-dating approaches. *Journal of Human Evolution* 174,103293 **2023**
- Chiou, KL, DeCasien, AR, Rees, KP, Testard, C, Spurrell, CH, Gogate, AA, Pliner, HA, Tremblay, S, Mercer, A, Whalen, CJ, Negrón-Del Valle, JE, **Janiak, MC**, [18 other authors], Platt, ML, & Snyder-Mackler, N. Multiregion transcriptomic profiling of the primate brain reveals signatures of aging and the social environment. *Nature Neuroscience* 25, 1714–1723. **2022**
- Melin, AD, Veilleux, CC, **Janiak, MC**, Hiramatsu, C, Sánchez-Solano, KG, Lundeen, IK, Webb, SE, Williamson, RE, Mah, MA, Murillo-Chacon, E, Schaffner, CM, Hernández-Salazar, L, Aureli, F, & Kawamura, S. Anatomy and dietary specialization influence sensory behaviour among sympatric frugivorous primates. *Proceedings of the Royal Society B: Biological Sciences* 289: 2022084. **2022**
- DeCasien, AR, Trujillo, AE, **Janiak, MC**, Harshaw, EP, Caes, ZN, Galindo, GA, Petersen, RM, Higham, JP. Megalencephaly-related genes are not associated with primate brain size evolution. *Scientific Reports* 12: 10902. **2022**
- Janiak, MC**, Silva, FE, Beck, RMD, de Vries, D, Kuderna, LFK, Torosin, NS, Melin, AD, Marques-Bonet, T, Goodhead, I, Messias, M, da Silva, MNF, Sampaio, I, Farias, I, Rossi, R, de Melo, F, Valsecchi, J, Hrbek, T, & Boubli, JP. 205 newly assembled mitogenomes from the speciose Amazonian primates provide mixed evidence for rivers as drivers of speciation. *Molecular Ecology* 31: 3888-3902. **2022**
- Munds, RA, Cooper, E, **Janiak, MC**, Linh Gia Lam, DeCasien, AR, Bauman Surratt, S, Montague, MJ, Martinez, M, Cayo Biobank Research Unit, Kawamura, S, Higham, JP & Melin, AD. (In **2022**

- revision). Variation and heritability of retinal cone ratios in a free-ranging population of rhesus macaques. *Evolution* 76: 1776-1789.
- Silva, FE, do Amaral, JV, Roos, C, Bowler, M, Röhe, F, Sampaio R, **Janiak, MC**, [7 other authors], Boubli, JP. Molecular phylogeny and systematics of bald uakaris, genus *Cacajao* Lesson, 1840 (Primates: Pitheciidae), with the description of a new species. *Molecular Phylogenetics & Evolution* 173: 107509. **2022**
- Chiou, KL, **Janiak, MC**, [23 other authors], Lu, A, Beehner, JC, Bergman, TJ, & Snyder-Mackler, N. High-altitude adaptation and incipient speciation in geladas. *Nature Ecology & Evolution* 6: 630-643. **2022**
- Boubli, JP, **Janiak, MC**, Porter, L, de la Torre, S, Cortés-Ortiz, L, da Silva, MNF, Rylands, AB, Nash, S, Bertuol, F, Byrne, H, Silva, FE, de Vries, D, Beck, RMD, Ruiz-Gartzia, I, Kuderna, LFK, Marques-Bonet, T, Hrbek, T, Farias, IP, van Heteren, A, & Roos, C. Ancient DNA of the pygmy marmoset type specimen *Cebuella pygmaea* (Spix, 1823) resolves a taxonomic conundrum. *Zoological Research* 42(6): 761-771. **2021**
- Melin, AD, Orkin, JD, **Janiak, MC**, [29 other authors], Arora, PS, & Higham, JP. Variation in predicted COVID-19 risk among lemurs and lorises. *American Journal of Primatology* 83: e23255. **2021**
- Janiak, MC**, Montague, MJ, Villamil, CI, Stock, MK, Trujillo, AE, DePasquale, A, Orkin, JD, Bauman Surratt, SE, Gonzalez, O, Platt, ML, Martinez, M, Antón, SC, Dominguez-Bello, G, Melin, AD, & Higham, JP. Age and sex-associated variation in the multi-site microbiome of an entire social group of free-ranging rhesus macaques. *Microbiome* 9: 68. **2021**
- Orkin, JD, Montague, MJ, Tejada-Martinez, D, de Manuel, M, del Campo, J, Di Fiore, A, Fontseré, C, Hodgson, JA, **Janiak, MC**, Kuderna, LFK, Lizano, E, Niimura, Y, Perry, GH, Tang, J, Warren, WC, de Magalhães, JP, Kawamura, S, Marquès-Bonet, T, Krawetz, R, & Melin, AD. The genomics of ecological flexibility, large brains, and long lives in capuchin monkeys revealed with fecalFACS. *PNAS* 118(7): e2010632118. **2021**
- Melin, AD*, **Janiak, MC***, Marrone, F, Arora, PS, & Higham, JP. Comparative ACE2 variation and primate COVID-19 risk. *Communications Biology* 3: 641. *These authors contributed equally. **2020**
- Janiak, MC**, Pinto, SL, Duytschaever, G, Carrigan, MA, Melin, AD. Genetic evidence of widespread variation in ethanol metabolism among mammals: Revisiting the “myth” of natural intoxication. *Biology Letters* 16(4): 20200070. **2020**
- Janiak, MC**, Burrell, AS, & Disotell, TR. Duplication and parallel evolution of the pancreatic ribonuclease gene (*RNASE1*) in folivorous non-colobine primates, the howler monkeys (*Alouatta* spp.). *Scientific Reports* 9: 20366. **2019**
- Janiak, MC**. Of starch and spit. Insight Article. *eLife* 8:e47523. **2019**
- Duytschaever, G, **Janiak, MC**, Ong, P, Wells, K, Dominy, NJ, & Melin, AD. Opsin genes of select treeshrews resolve ancestral character states within Scandentia. *Royal Society Open Science* 6(4): 182037. **2019**
- Kries, K, Barros, MAS, Duytschaever, G, Orkin, JD, **Janiak, MC**, Pessoa, DMA, & Melin, AD. Colour vision variation in leaf-nosed bats (Phyllostomidae): Links to cave roosting and dietary specialization. *Molecular Ecology* 27(18): 3627-3640. **2018**
- Janiak, MC**. No evidence of copy number variation in acidic mammalian chitinase genes (*CHIA*) in New World and Old World monkeys. *International Journal of Primatology* 39(2): 269-284. **2018**
- Janiak, MC**, Chaney, ME, & Tosi, AJ. Evolution of acidic mammalian chitinase genes (*CHIA*) is related to body mass and insectivory in primates. *Molecular Biology and Evolution* 35(3): 607-622. **2018**
- Lewis, DMG, Al-Shawaf, L., **Janiak, MC**, & Akunebu, S. Integrating molecular genetics and evolutionary psychology: sexual jealousy and the androgen receptor (AR) gene. *Personality and Individual Differences* 120: 276-282. **2018**
- Janiak, MC**. Digestive enzymes of human and non-human primates. *Evolutionary Anthropology* 25(5): 253-266. **2016**

PUBLICATIONS IN REVIEW OR REVISION

- Newman, LE, Testard, C, DeCasien, AR, Chiou, KL, Watowich, MM, **Janiak, MC**, Pavez-Fox, MA, Sanchez Rosado, MR, Cooper, EB, Costa, CE, Petersen, RM, Montague, MJ, Platt, ML, Brent, LNJ, Snyder-Mackler, M, Higham, JP. (Submitted). The biology of aging in a social world: insights from free-ranging rhesus macaques. *bioRxiv* 2023.01.28.525893. <https://doi.org/10.1101/2023.01.28.525893>
- Kuderna, LFK, Gao, H, **Janiak, MC**, Kuhlwilm, M, [68 other authors], Rogers, J, Fahr, K.-H., & Marques-Bonet, T. (In revision). A global catalog of whole-genome diversity from 233 primate species. *Science*.
- Rashid, S, Kuderna, LFK, Cox, AJ, Ulirsch, JC, Gao, H, Aguet, F, Christmas, MJ, **Janiak, MC**, [72 other authors], Rogers, J, Marques-Bonet, T. & Fahr, K.-H. (In review). *Science*.
- Gao, H, [19 other authors], **Janiak, MC**, [73 other authors], Rogers, J, Fahr, K.-H., & Marques-Bonet, T. (In revision). The landscape of tolerated genetic variation in humans and primates. *Science*.

HONORS AND AWARDS**FUNDED AWARDS**

2019	Cold Spring Harbor Laboratories Scholarship	US\$2345
2019-2021	Wenner-Gren Foundation (Co-Investigator with PI Melin) – “Evolutionary and Ecological Underpinnings of Human Ethanol Metabolism”	US\$14300
2019-2020	AAPA Cobb Award – “Age-related changes in the digestome of rhesus macaques”	US\$7500
2019-2021	Research Grant, Leakey Foundation – "Understanding Adaptive Radiation through Evolution of Digestive Enzymes."	US\$24000
2019-2020	Postdoctoral Fellowship, Alberta Children’s Hospital Research Institute	CAD\$25000
2017-2019	Doctoral Dissertation Research Improvement Grant, National Science Foundation – “Adaptations for Insectivory in Digestive Enzymes of New World Primates.”	US\$3200
2018	Outstanding Student Poster Presentation in Anthropological Genetics	US\$200
2018	Earnest Albert Hooton Prize for Exemplary Student Research	US\$200
2018	William S. Pollitzer Student Travel Award, American Association of Physical Anthropology	US\$500
2016	Albert Fellows Dissertation Research Award, Center for Human Evolutionary Studies, Rutgers University	US\$13000
2016	Research Grant, International Primatological Society	US\$1475
2015	TA/GA Professional Development Fund, Rutgers University	US\$560
2014	Small Grant Program Award, Center for Human Evolutionary Studies, Rutgers University	US\$1550
2011-2013	Excellence Fellowship, Rutgers University	US\$44000
2013	Zelnick Award, Center for Human Evolutionary Studies, Rutgers University	US\$2000
2012	Special Study and Travel Opportunity Award, Rutgers University	US\$1200
2012	Bigel Fellowship, Rutgers University	US\$675
2010	Intellectual Entrepreneurship Travel Grant, University of Texas at Austin	US\$500

OTHER INTERNAL GRANTS

2012-2018	Small grants and conference travel awards, Rutgers University, cumulative	US\$4654
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SELECTED MEDIA COVERAGE OF RESEARCH

BBC Deeply Human (March 26, 2022; <https://www.bbc.co.uk/sounds/play/w3ct3hgz>)

New York Times (May 20, 2020; <https://www.nytimes.com/2020/05/20/science/drunken-elephants-genes.html>)

- Science News** (May 1, 2020; <https://www.sciencenews.org/article/why-mammals-elephants-armadillos-might-get-drunk-easily>)
- Forbes** (Apr. 30, 2020; <https://www.forbes.com/sites/jvchamary/2020/04/30/drunken-mammals/#6e22c2df5f42>)
- CTV News** (Apr. 30, 2020; <https://calgary.ctvnews.ca/elephants-can-get-drunk-says-new-university-of-calgary-study-1.4919129>)
- New Scientist** (Apr. 29, 2020; <https://www.newscientist.com/article/2242002-analysis-of-85-animals-reveals-which-are-best-at-holding-their-alcohol/>)
- CBC News** (Apr. 28, 2020; <https://www.cbc.ca/news/canada/calgary/drunken-animals-research-1.5548576>)
- Elemental** (Jul. 25, 2019; <https://elemental.medium.com/the-benefits-of-eating-bugs-d8909d366d46>)
- Food Quality & Safety Magazine** (interviewed for June/July 2018 cover story on emerging foods; <https://goo.gl/y9tx3D>)
- Massive** (Feb. 12, 2018; <https://goo.gl/iU1oaJ>)
- WebMD News** (Feb. 5, 2018; <https://goo.gl/ujBvJM>)
- United Press International** (Feb. 5, 2018; <https://goo.gl/1FZ2ja>)
- Men's Fitness** (Feb. 2, 2018; <https://goo.gl/CP6ENB>)
- Men's Health** (Jan. 29, 2018; <https://goo.gl/ysg6jL>)
- Science Newsline** (Jan. 25, 2018; <https://goo.gl/qQviTo>)
- Futurity** (Jan. 25, 2018; <https://goo.gl/UVGjbW>)
- Lab Manager** (Jan. 25, 2018; <https://goo.gl/WXZnj8>)
- FoodIngredientsFirst** (Jan. 25, 2018; <https://goo.gl/LiwBJV>)
- Rutgers Today** (Jan. 24, 2018; <https://goo.gl/84U8D7>)
- PhysOrg** (Jan. 24, 2018; <https://goo.gl/f5jLY3>)
- EurekaAlert!** (Jan. 24, 2018; <https://goo.gl/Mi5kNU>)

PRESENTATIONS

AS PRESENTER

- Janiak MC**, Baniel A, Trujillo AE, DePasquale AN, Negrón-Del Valle JE, Cayo Biobank Research Unit, Martínez MI, Antón SC, Melin AD, Montague MJ, Platt ML, Snyder-Mackler N, Brent LJN, Higham JP. Limited evidence for a relationship between social integration and gut microbial composition or function in free-ranging rhesus macaques. Poster presentation at CSHL Microbiome meeting, Cold Spring Harbor, NY, October 25-29, 2022.
- Janiak, MC**, DeCasien, AR, Chiou, KL, Villamil, CI, Stock, MK, Trujillo, AE, DePasquale, AN, Orkin, JD, Ruiz-Lambides, AV, Negrón-del Valle, JE, Testard, C, Bauman Surratt, SE, Gonzalez, O, Cayo Biobank Research Unit, Martínez, MI, Walker, CS, Sallet, J, Dominguez-Bello, MG, Montague, MJ, Antón, S, Melin, AD, Brent, LJ, Platt, M, Snyder-Mackler, N, Higham, JP. Gut microbial diversity predicts brain immune gene regulation in a model nonhuman primate. Poster presentation at the 91st annual conference of the American Association of Biological Anthropologists, Denver, CO, April 23-26, 2022.
- Janiak, MC**, Montague, MJ, ..., Melin, AD, Higham, JP. (2020). Age and sex-associated changes in the microbiome of free-ranging rhesus macaques. Poster presentation at the Cold Spring Harbor Laboratory meeting on Mechanisms of Aging. September 22, 2020. Virtual conference.
- Janiak, MC**, Boubli, JP, Kuderna, LFK, Rogers, J, Farh, KKH, Kawamura, S, Marques-Bonet, T, Melin, AD. (2020). Primate niches and noses: Olfactory receptor gene variation and diet across the order. Invited presentation at the Joint Meeting of the International Primatological Society and the Latin American Society of Primatologists. August 2020. Quito, Ecuador. ***Postponed due to COVID-19*
- Janiak, MC**, Boubli, JP, Kuderna, LFK, Rogers, J, Farh, KKH, Marques-Bonet, T, Melin, AD. (2020). Genomic insights into platyrrhine digestive enzyme evolution. Invited presentation at the Joint Meeting of the International Primatological Society and the Latin American Society of Primatologists. August 2020. Quito, Ecuador. ***Postponed due to COVID-19*
- Janiak, MC**, Yang, D, Pinto, SL, Duytschaever, G, Sims, L, Barros, MAS, Pessoa, DMA, Melin, AD. (2020). Dietary adaptation in a diverse order of mammals revealed by digestive enzyme evolution. Poster presentation at the 2020 meeting of the Society for Molecular Biology and Evolution. June 28-July 2, 2020. Quebec City, QB, Canada. ***Cancelled due to COVID-19*.
- Janiak, MC**, Montague, MJ, ..., Melin, AD, Higham, JP. (2020). Age-associated changes in the microbiome of Rhesus macaques on Cayo Santiago. Invited presentation at the 89th Annual Meeting of the American Association of Physical Anthropologists. April 2020. Los Angeles, CA. ***Cancelled due to COVID-19*

- Janiak, MC.** (2019). Understanding the Rhesus Macaque Digestome: Digestive Enzymes and Microbes. Cayo Santiago Jamboree. May 20, 2019. Philadelphia, PA.
- Janiak, MC,** Chiou, KL, Lu, A, Bergman, TJ, Beehner, JC, Snyder-Mackler, N, Melin, AD. (2019). Digestive and sensory adaptations for the grass-eating niche: Insights from the gelada (*Theropithecus gelada*) genome. Podium presentation at the 88th Annual Meeting of the American Association of Physical Anthropologists. March 30, 2019. Cleveland, OH.
- Janiak, MC,** Chiou, KL, Lu, A, Bergman, TJ, Beehner, JC, Snyder-Mackler, N, Melin, AD. (2019). Genomic adaptations for digestion, taste, and olfaction in the grass-eating gelada (*Theropithecus gelada*). Podium presentation at the GfP meeting. February 13-15, 2019. Göttingen, Germany.
- Janiak, MC,** Burrell, AS, & Disotell, TR. (2018). The pancreatic ribonuclease gene (*RNASE1*) in the mantled howler monkey (*Alouatta palliata*), a folivorous non-colobine primate: Evidence for duplication and convergent evolution. Invited podium presentation at the 2018 meeting of the Society for Molecular Biology and Evolution. July 8-12, 2018. Yokohama, Japan.
- Janiak, MC,** Burrell, AS, & Disotell, TR. (2018). Duplication and convergent evolution of the pancreatic ribonuclease gene (*RNASE1*) in a non-colobine primate, the mantled howler monkey (*Alouatta palliata*). Poster presentation. 87th Annual Meeting of the American Association of Physical Anthropologists. April 14, 2018. Austin, TX.
- Janiak, MC,** Burrell, AS, & Disotell, TR. (2017). The pancreatic ribonuclease (*RNASE1*) and lysozyme C (*LYZ*) genes in a folivorous non-colobine primate, the mantled howler monkey (*Alouatta palliata*). Poster presentation. 3rd Northeastern Evolutionary Primatology Conference. October 27-28, 2017. New Haven, CT.
- Janiak, MC,** Chaney, ME & Tosi, AJ. (2017). A phylogeny of the *CHIA* gene in the context of insectivory. Podium presentation at 86th Annual Meeting of the American Association of Physical Anthropologists. April 21, 2017. New Orleans, LA.
- Janiak, MC.** (2016). The acidic mammalian chitinase gene (*CHIA*) in primate and bat insectivores: Evidence of convergence? Podium presentation. 2nd Northeastern Evolutionary Primatology Conference. November 4-5, 2016. New York, NY.
- Janiak, MC.** (2016). Analysis of the *CHIA* gene in New World primates. Poster Symposium. International Primatological Society/American Society of Primatology 2016 Joint Meeting. August 21-27, 2016. Chicago, IL.
- Janiak, MC.** (2016). Dietary Adaptations in Digestive Enzymes of New World Primates. Podium presentation. Program of the 85th Annual Meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, 159: 184.
- Janiak, MC** & Scott, RS. (2014). Diet and the evolution of digestive enzymes in New World monkeys. Poster symposium at 1st annual Northeastern Primate Ecology, Evolution & Behavior Conference. November 7-8, 2014. New Brunswick, NJ.

As Co-AUTHOR

- Melin, AD, Munds, R, Cooper, E, **Janiak, MC,** Lam, LG, DeCasien AR, Bauman Surratt, S, Montague, MJ, Martinez, M, Kawamura, S, Higham, JP. (2021). Cone ratio variation and heritability in free-ranging Rhesus macaques (*Macaca mulatta*). Invited virtual presentation at the 2nd AsiaEvo Conference. August 16-19, 2021. Online.
- Melin, AD, Munds, R, Cooper, E, **Janiak, MC,** Lam, LG, DeCasien AR, Bauman Surratt, S, Montague, MJ, Martinez, M, Kawamura, S, Higham, JP. (2021). Cone ratio variation in free-ranging Rhesus macaques (*Macaca mulatta*). Virtual presentation at the 2021 meeting of the Society for Molecular Biology and Evolution. July 4-8, 2021. Online.
- Orkin, JD, Kuderna, LFK, Gut, M, Gut, I, Horvath, J, **Janiak, MC,** Merker, S, Zhang, G, Roos, C, Rogers, J, Farh, KKH, Marques-Bonet, T. (2020). The Primate Genome Sequencing Initiative: Conservation genomics of the lemurs, lorisooids, and tarsiers. Presentation at the Joint Meeting of the International Primatological Society and the Latin American Society of Primatologists. August 2020. Quito, Ecuador. ****Postponed due to COVID-19.**

- Chiou, KL, **Janiak, MC**, Melin, AD, Beehner, JC, Bergman, TJ, Lu, A, Snyder-Mackler, N. (2020). Adaptations to high altitude in the gelada genome. Presentation at the Joint Meeting of the International Primatological Society and the Latin American Society of Primatologists. August 2020. Quito, Ecuador. ****Postponed due to COVID-19.**
- Veilleux, CC, Hiramatsu, C, Webb, SE, Lundeen, I, **Janiak, MC**, Schaffner, CM, Aureli, F, Kawamura, S, Melin, AD. (2020). Behavioral ecology of olfaction in sympatric platyrrhines and the role of anatomical proxies of olfactory reliance. Presentation at the Joint Meeting of the International Primatological Society and the Latin American Society of Primatologists. August 2020. Quito, Ecuador. ****Postponed due to COVID-19.**
- Munds, RA, **Janiak, MC**, Montague, MJ, Martinez, M, Kawamura, S, Melin, AD, Higham, JP. (2020). The heritability of red-green cone ratios in a population of free-ranging Rhesus macaques (*Macaca mulatta*). Presentation at the Joint Meeting of the International Primatological Society and the Latin American Society of Primatologists. August 2020. Quito, Ecuador. ****Postponed due to COVID-19.**
- Pinto, SL, **Janiak, MC**, Duytschaever, G, Veilleux, C, de Koning, J, Carrigan, MA, Melin, AD. (2020). Revealing Genetic Adaptations for Ethanol Metabolism using Comparative Genomics. Poster presentation at the 2020 meeting of the Society for Molecular Biology and Evolution. June 28-July 2, 2020. Quebec City, QB, Canada. ****Cancelled due to COVID-19.**
- Melin, AD, Munds, R, **Janiak, MC**, Montague, MJ, Martinez, M, Kawamura, S, Higham, JP. (2020). L:M cone ratio variation in free-ranging Rhesus macaques (*Macaca mulatta*). Poster presentation at the 2020 meeting of the Society for Molecular Biology and Evolution. June 28-July 2, 2020. Quebec City, QB, Canada. ****Cancelled due to COVID-19.**
- Chiou, KL, **Janiak, MC**, Melin, AD, Beehner, JC, Bergman, TJ, Lu, A, Snyder-Mackler, N. (2020). High altitude adaptations in gelada monkeys (*Theropithecus gelada*). Invited presentation at the 89th Annual Meeting of the American Association of Physical Anthropologists. April 2020. Los Angeles, CA.
- Melin, AD, Kries, K, Barros, MAS, Duytschaever, G, Orkin, JD, **Janiak, MC**, Pessoa, D. (2018). Diet and roosting behavior shape the color vision of leaf-nosed bats (*Phyllostomidae*). Poster presentation at the 2018 meeting of the Society for Molecular Biology and Evolution. July 8-12, 2018. Yokohama, Japan.
- Melin, AD, Kries, K, Barros, MAS, Duytschaever, G, Orkin, JD, **Janiak, MC**, Pessoa, D. (2018). Color vision and the ecology of nocturnal mammals: insights from leaf-nosed bats (*Phyllostomidae*) and primates. Poster presentation. 87th Annual Meeting of the American Association of Physical Anthropologists. April 14, 2018. Austin, TX.
- Burrell, AS, **Janiak, MC**, Disotell, TR, & Bergey, CM. (2018). Development of a taxonomically dense genomic database of anthropoid primate genomes. Podium presentation at 87th Annual Meeting of the American Association of Physical Anthropologists. April 13, 2018. Austin, TX.

INVITED LECTURES

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| 2022 | Rutgers University, Visiting Speaker, Center for Human Evolutionary Studies, New Brunswick, NJ |
| 2021 | Otterbein University, Visiting Speaker, Biology and Earth Science Seminar Series, Westerville, OH |
| 2020 | University of Bristol, Visiting Speaker, Workshops in Ecology & Behaviour Series, Bristol, UK |
| 2020 | Leakey Foundation Board Meeting – “In the News”, Invited Speaker, Virtual Event |
| 2020 | Leakey Foundation, Invited Speaker, “Bugs and Booze” Virtual Event |
| 2020 | PERHAPPI, Invited Speaker, Virtual Meeting on Prevention of Corona Transmission in Animals at Conservation Institutions, Indonesia |
| 2019 | Institut de Biologia Evolutiva, Visiting Speaker, BioEvo Lecture Series, Barcelona, Spain |
| 2019 | Rutgers University, Invited Speaker, Workshop on Advances in Primate Nutritional Ecology, Health, and Energetics, New Brunswick, NJ, USA |
| 2019 | Pint of Science Canada - Science Outreach Festival, Calgary, AB, Canada |
| 2019 | University of Calgary, Featured Speaker, BioSci Grad Student Association Retreat, Kananaskis, AB, Canada |
| 2019 | University of Calgary, Visiting Speaker in AnArky Seminar Series, Calgary, AB, Canada |
| 2018 | University of Calgary, Visiting Speaker in Biological Sciences Seminar Series, Calgary, AB, Canada |

2018 University of Calgary, Wildlife Health & Ecology Research Group, Calgary, AB, Canada

RESEARCH & FIELD EXPERIENCE

2022 Participant, *Population Genomics Workshop*, NERC Environmental Omics Facility, UK
 2021 Participant, *'New approaches to phylogenetic inference' Workshop*, Vienna, Austria
 2019 Participant, *Programming for Biology Course*, Cold Spring Harbor Laboratories, New York
 2018-ongoing Collaborator, Gelada Genome Initiative, with colleagues at University of Washington, University of Michigan and Stony Brook University
 2018 Researcher, Biobanking Project, Caribbean Primate Research Center, Puerto Rico
 2018 Participant, *Workshop on Genomics*, Cesky Krumlov, Czech Republic
 2015-2017 Co-Investigator with R. Scott, Digestive enzyme genes of non-human primates, Rutgers University/NYU
 2014 Co-Investigator with Dr. Robert Scott, La Suerte Biological Field Station, Costa Rica
 2012-2013 Research Assistant, "Project Papio" Rutgers University/NYU Molecular Anthropology Lab
 2010-2011 Research Assistant, University of Texas at Austin, Buss Lab/Bolnick Lab for Anthropological Genetics
 2010 Student, La Suerte Primatology Field School
 2010 Pre-Grad Intern, University of Texas at Austin, Intellectual Entrepreneurship
 2009 Research Assistant, University of Texas at Austin, Psychology Department, Gosling Lab

TEACHING EXPERIENCE

AS INSTRUCTOR

Summer 2018 Instructor, *Primate Behavior & Ecology*, La Suerte Biological Station, Costa Rica
 Spring 2017 Instructor, *Human Evolutionary Genetics*, upper-division undergraduate course, Rutgers University
 Summer 2016 Instructor, *Human Evolutionary Genetics*, upper-division undergraduate course, Rutgers University

AS TEACHING ASSISTANT & GUEST LECTURER

Fall 2022 Guest Lecturer, *Genomics*, University of Salford
 Spring 2021 Guest Lecturer, *Primate Behaviour and Conservation*, University of Salford
 Fall 2018 Guest Lecturer, *Primate Behavioral Ecology*, University of Calgary
 Fall 2017 Teaching Assistant, *Reading and Writing Extinction*, Writing Program, Rutgers University
 Fall 2016 Guest Lecturer, *Evolution of the Human Diet*, upper-division course, Rutgers University
 Fall 2016 Teaching Assistant, *Expository Writing*, Writing Program, Rutgers University
 Summer 2016 Teaching Assistant, *Primates, Ecology, and Conservation in Indonesia*, Tuanan Orangutan Research Station
 Spring 2016 Teaching Assistant, *Introduction to Human Evolution*, Rutgers University
 Fall 2015 Teaching Assistant, "Extinction" – Signature Course, Rutgers University
 Fall 2015 Guest Lecturer, *Molecular Anthropology*, introductory undergraduate course (15 students), Rutgers University
 Summer 2015 Teaching Assistant, Costa Rica Primate Field School, La Selva Biological Station
 2013-2015 Teaching Assistant, *Introduction to Human Evolution*, Rutgers University

CERTIFICATES

Fall 2016 Signature Course Recitation Leader, Rutgers University
 Fall 2015 Designing Your Own Course Seminar Series, Rutgers University
 Fall 2014 Preparing for the Professoriate Workshop Series, Rutgers University

STUDENT RESEARCH SUPERVISED

Swellan Pinto, Master's Student, *University of Calgary*.

Genomics of Ethanol Metabolism. **September 2018 – April 2022.**

Swellan received an NSERC Graduate Scholarship.

David Yang, Undergraduate Honors Student, *University of Calgary*.

Examining acidic mammalian chitinase genes in New World leaf-nosed bats. **September 2018 – April 2019.**

David won best undergraduate thesis presentation prize in Department of Biological Sciences.

Etta Harshaw & Zofia Caes, ARISE High School Interns, *New York University*.

Investigating the role of megalencephaly/macrocephaly genes in primate brain evolution. **June-Sept 2017.**

Aziza Kurbonova & Noemie Bacigalupi, ARISE High School Interns, *New York University*.

Insights from environmental DNA in Washington Square Park, NYC. **June-Sept 2017.**

RELEVANT SKILLS

Laboratory – DNA extraction from saliva, feces, blood, and buccal swabs; PCR; microsatellite genotyping; Sanger and Illumina sequencing; 3D digital PCR; Western blotting

Computational – advanced knowledge of UNIX, python and R programming languages; remote computing; high performance computing clusters

Languages – English (fluent), German (native speaker), Spanish (beginner), French (intermediate)

PEER REVIEWS

Leakey Foundation, National Science Centre Poland, Heredity, Ecology & Evolution, FEBS Open Bio, Scientific Reports, eLife, Chemical Senses, Genes, Molecular Biology & Evolution, Proceedings of the Royal Society B, Frontiers in Ecology & Evolution, PeerJ, Open Research Europe

OUTREACH AND VOLUNTEER ACTIVITIES

2021 Steward Volunteer, National Health Service, Manchester, UK
 2019 Participating Scientist, Skype A Scientist
 2014-2021 Mentor, Undergraduate Poster Symposium, AAPA 83rd-89th Annual Meetings
 2015-2018 Docent, Central Park Zoo, New York City
 2013-2018 Graduate Student Affiliate, Center for Human Evolutionary Studies, Rutgers University
 2014-2018 Judge, Aresty Undergraduate Research Symposium, Rutgers University
 2017 Mentor, ARISE Program, NYU
 2016 Co-Presenter, "Contemporary Issues in Evolutionary Anthropology," Rutgers Anthropology Workshop Series
 2014 Mentor, International TA orientation, Rutgers University
 2012-2013 Co-President, Anthropology Graduate Student Association, Rutgers University