

Curriculum Vitae

Jessica Marie Gross

MSC01-1040

Department of Anthropology

University of New Mexico

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EDUCATION

PhD Anthropology, distinction, University of New Mexico, 2019

Dissertation: The History of Admixture in African Americans.

Chair: Heather Edgar.

MS Evolutionary Anthropology, University of New Mexico, 2013

MA Cultural Anthropology, distinction, University of California, Riverside, 2010

BFA Art Studio, summa cum laude, University of New Mexico, 2009

BA Anthropology/Art Studio, summa cum laude, University of New Mexico, 2008

RESEARCH INTERESTS

Statistical genetics, population genetics, evolution, human history and prehistory, human origins, race and health disparity.

PUBLICATIONS

Gross JM, Edgar HJH. (2019), Informativeness of dental morphology in ancestry estimation in African Americans. *American Journal of Physical Anthropology*, 168(3):521–529

Gross JM (2018), Tests of fit of historically-informed models of African American admixture, *American Journal of Physical Anthropology*, 165(2): 211. DOI10.1002/ajpa.23343

Healy ME, Hill D, Berwick M, Edgar HJH, **Gross JM**, Hunley KL (2017), Social-group identity and population substructure in admixed populations in New Mexico and Latin America. *PLoS ONE*, 12 (10):

Young BN, Rendon A, Rosas-Taraco A, Baker J, Healy ME, **Gross JM**, Long JC, Burgos M, Hunley KL (2014) The effects of socioeconomic status, clinical factors, and genetic ancestry on pulmonary tuberculosis disease in northeastern Mexico. *PLoS One*, 9(4): e94303.

Hunley KL, **Gross JM** (2013) A Computational Approach to Statistical Arguments in Ecology and Evolution. Book Review. *Journal of Anthropological Research*, 69 (1): 119.

PUBLISHED ABSTRACTS AND CONFERENCE PRESENTATIONS

Gross JM, Edgar HJH (2017) Estimating ancestry proportions in African American samples using dental morphology. 17th International Symposium on Dental Morphology (ISDM) & 2nd congress of

International Association for Paleodontology (IAPO). <https://isdmiapo-2017.sciencesconf.org/resource/page/id/11> .

Gross JM, Long JC (2016) Two-way gene-flow and ancestry-related assortative mating in African American populations. *American Journal of Physical Anthropology*, 159(S62): .

Gross JM, Long JC (2015) Modelling ancestry-related assortative mating in African American populations. *Southwestern Association of Biological Anthropologists Conference Abstracts*.
https://swabameeting.files.wordpress.com/2015/10/swaba_program_2015.pdf

Gross JM, Long JC (2015) Rejection of one-time and fixed-rate admixture models in African Americans. *American Journal of Physical Anthropology*, 156(S60): 153.

Long JC, Gross JM, Koehli AJ, Niedbalski SD (2015) Population structure beyond that detected using model-based clustering. *American Journal of Physical Anthropology*, 156(S60): 206.

Healy ME, Gross JM, Berwick M, Hill D, Erdei E, Long JC, Hunley KL (2012) Variability in genetic ancestry in New Mexican Hispanics: the product of a rich and ever-changing ethnic landscape. *American Journal of Physical Anthropology*, 147 (S54): 162.

Young BN, Long JC, Gross JM, Rosas-Taraco A, Rendon A, Hunley KL (2012) Genetic Admixture in Monterrey, Mexico: Evolutionary Implications for Tuberculosis Disease Risk. *Human Behavior and Evolution Society Conference Abstracts*.
http://www.hbes.com/conference/pdf/conference_24.pdf.

HONORS AND AWARDS

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| 2011-2013 | \$30,000 Hibben Fellowship, University of New Mexico |
| 2011-2012 | \$1,000 Stuart Award, University of New Mexico |
| 2009-2010 | \$17,000 Chancellor's Distinguished Fellowship, University of California, Riverside |
| 2017 | \$250 Marion & Kathryn Crissey Award, SURFACE: Emerging Artists of New Mexico, Harwood Art Center, Albuquerque, New Mexico |
| 2017 | \$500 Harvey & Sarah Moore Scholarship, Department of Anthropology, University of New Mexico, Albuquerque, New Mexico |

RESEARCH AND TRAVEL FUNDING

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| 2017 | \$1000 Graduate Studies Doctoral Conference Presentation Award, University of New Mexico |
| 2017 | \$600 Career Services Student Conference Award Program, University of New Mexico |

2017	\$500	Graduate and Professional Student Association Student Research Grant, University of New Mexico
2017	\$300	Anthropology Department Travel Grant, University of New Mexico
2016	\$1000	Graduate Studies Doctoral Conference Presentation Award, University of New Mexico
2016, 2017	\$600	Career Services Student Conference Award Program, University of New Mexico
2015, 2017	\$1000	Graduate and Professional Student Association Student Research Grant, University of New Mexico
2015	\$333	Anthropology Department Travel Grant, University of New Mexico

TEACHING EXPERIENCE

2011 - present Teaching assistant, University of New Mexico, Department of Anthropology.

- 2011 – 2013, 2015 Evolution and Human Emergence lecture: online and classroom settings
- 2014, 2016 Human Biology: online and classroom settings
- 2016, 2019 Ecology and Evolution: online setting
- 2017 – 2018 Evolution and Human Emergence Laboratory: classroom setting

2016 - present Teaching assistant, University of New Mexico, Department of Biology.

- 2016 Evolution and Ecology, classroom setting
- 2016 – 2017 Anatomy and Physiology, laboratory setting

2018 – 2019 co-author of Human Evolution and Emergence Laboratory manual.

SKILLS

Proficiency in C++ Programming Language, R Statistical Computing Language, Adobe Photoshop, LaTeX Publishing system
 Statistical genetics
 Statistical modelling
 Serigraphy, ceramic and paper sculpture, intaglio etching, photography and studio lighting
 Fine art handling, curation, and framing

SELECTED EXHIBITIONS

- 2019 Inpost Print 2019, Inpost Artspace, Jurors Robin Bates and Erin Galvez, Albuquerque, New Mexico, April 1st – May 25th
- 2019 Ecce Rat, Harwood Art Center, Albuquerque, New Mexico, January 7th – January 24th
- 2018 Print // Make, Inpost Artspace, Albuquerque, New Mexico, March 26th – April 30th

- 2017 Ecce Rat, Pacific Exhibits, Albuquerque, New Mexico, May 5th – July 1st
- 2017 SURFACE: Emerging Artists of New Mexico, Jurors Julie Mandeville, Staci Drangmeister, and GuruAmrit Khalsa, Harwood Art Center, Albuquerque, New Mexico, June 2nd – July 21st
- 2017 Print // Make, Inpost Artspace, Albuquerque, New Mexico, April 18th – May 21st
- 2011 Food, Juror David Bram, The Center for Fine Art Photography, Fort Collins, CO, September 2nd - October 15th
- 2010 Consumption, Juror Brian Paul Clamp, The Center for Fine Art Photography, Fort Collins, CO, July 2nd - July 24th
- 2008 Digital '08: Imagination on Behalf of Our Planet, Jurors Michael John Gorman and Cynthia Panucci, New York Hall of Science, New York, New York, October 4th, 2008-January 25th, 2009
- 2008 Hello?, Petting Zoo Gallery, Albuquerque, New Mexico, May 6th – May 11th
- 2007 Work Flow, Petting Zoo Gallery, Albuquerque, New Mexico, November 2nd – November 9th

FILM

- 2018 Costume design and management, Presbyterian Cinema Spots, Albuquerque, New Mexico, February 1st – 4th, director: Joshua Sallach

PUBLIC TALKS

- 2019 The University of New Mexico: The history of admixture in African Americans, April 23rd
- 2019 Harwood Art Center, Artist talk: Ecce Rat, Albuquerque, New Mexico, January 11th
- 2017 The University of New Mexico: African American admixture, December 1st
- 2016 CFA Downtown Gallery, Artist talk: Ecce Rat and Rat Kings, Albuquerque, New Mexico, December 5th

PRESS

- 2017 THE Magazine, SURFACE: Emerging Artists of New Mexico, Vol XXVI, No. 1, July 17, p73
- 2017 Alibi, SURFACE CURRENTS: Emerging artists ascend at The Harwood, Vol 26, No. 22, June 1st -7th (<http://alibi.com/art/53529/Surface-Currents.html>)