

# Curriculum Vitae

**James B. Millette III**

**Assistant Professor Adjunct  
Department of Anthropology  
University of Colorado Boulder  
233 UCB, Hale Sciences 350  
Boulder, CO 80309-0233**

**Email:** James.Millette@colorado.edu    **Phone:** 303-956-6136    **Fax:** 303-492-1871

---

## **Education**

**2016:** Ph.D., Anthropology, University of Colorado Boulder, Boulder, CO 80309. GPA: 4.0, Dr. Michelle Sauther, Advisor.

**2007:** M.A., Anthropology, University of Colorado Boulder, Boulder, CO 80309. GPA: 4.0, Dr. Michelle Sauther, Advisor.

**2003:** B.S., Anthropology and Human Biology *and* Neuroscience and Behavioral Biology (Double Major), Emory University, Atlanta, GA 30322. GPA: 3.866. Dr. Patricia Whitten, Advisor.

**Summer 2002:** Balinese Macaque Project Field School in Bali Indonesia, Central Washington University. Ellensburg, WA 98926. Dr. Agustin Fuentes, Advisor.

**Languages:** French, intermediate comprehension and conversation (5 years).

German, basic comprehension and conversation (1 year).

Malagasy (Introductory).

**Research Interests:** Primate behavior, ecology, and biology

Dental anthropology

Dental functional morphology

Behavioral endocrinology

## **Grants and Honors**

**2015:** Summer Graduate School Fellowship, University of Colorado Graduate School: \$6,000  
**2012:** Doctoral Dissertation Research Improvement Grant, National Science Foundation: \$24,733  
**2011:** General Research Grant, The L.S.B. Leakey Foundation: \$10,000  
**2011:** Scott Ferris Graduate Research Awards: \$5,000  
**2008:** Predissertation Research Grant, CU Department of Anthropology: \$2,500  
**2008:** Graduate Teacher Program Silver Award  
**2008:** William Burt Fund, University of Colorado Museum of Natural History: \$1,000

### **Grants and Honors (continued)**

**2008:** Beverly Sears Grant, CU Graduate School: \$1,000  
**2006:** CU Department of Anthropology Predissertation Research Grant: \$2,500  
**2006:** William Burt Fund, University of Colorado Museum of Natural History: \$3,000  
**2005:** CU Department of Anthropology Graduate Fellowship: \$5,000  
**2003:** Phi Beta Kappa Honors Society  
**2002:** Lambda Alpha Anthropology Honors Society  
**1999-2003:** Emory University Dean's List (7 of 8 semesters)

### **Journal Publications and Theses**

**Millette JB.** 2016. The Effects of Dental Impairment on the Biology and Behavioral Ecology of Wild Ring-tailed Lemurs (*Lemur catta*) at the Bezà Mahafaly Special Reserve, Madagascar. Ph.D. Dissertation. University of Colorado Boulder, Department of Anthropology.

**Millette JB, Sauther ML, Cuozzo FP.** 2015. Examining visual measures of coat condition and body mass in wild ring-tailed lemurs at the Beza Mahafaly Special Reserve, Madagascar. In: Ring-Tailed Lemurs – A Species Reimagined. **Sauther ML, Gould L, Cuozzo FP and O'Mara MT** (editors). Special Topic Issue. *Folia Primatologica* 86:44-55.

Moresco A, Larsen RS, Sauther ML, Cuozzo FP, Youssouf IAJ, **Millette JB**. 2012. Survival of a wild ring-tailed lemur (*Lemur catta*) after severe abdominal trauma in an anthropogenically disturbed habitat. *Madagascar Conservation and Development* 7:49-52.

**Millette JB**, Sauther ML, Cuozzo FP, Ness JL. 2012. The impact of dental impairment on ring-tailed lemur food processing performance. *American Journal of Physical Anthropology* 148:238-248.

**Millette JB**, Sauther ML, Cuozzo FP. 2009. Behavioral responses to tooth loss in ring-tailed lemurs (*Lemur catta*) at Beza Mahafaly Special Reserve, Madagascar. *American Journal of Physical Anthropology* 140:120-134.

**Millette JB**. 2007. Behavioral responses to tooth loss in ring-tailed lemurs (*Lemur catta*) at the Beza Mahafaly Special Reserve, Madagascar. M.A. Thesis. University of Colorado at Boulder, Department of Anthropology.

## **Refereed Abstracts**

**Millette JB**, Sauther ML, Cuozzo FP. 2016. The effect of dental impairment on food digestion in wild ring-tailed lemurs (*Lemur catta*) using fecal nutritional content. *American Journal of Physical Anthropology* 159(S62):231.

## **Refereed Abstracts (continued)**

Sauther ML, Cuozzo FP, **Millette JB**. 2015. Dental health in a wild population of ring tailed lemurs (*Lemur catta*) at the Bezà Mahafaly Special Reserve and Tsimanampesotse National Park, Madagascar. *American Journal of Physical Anthropology* 156(S60):276.

Sauther ML, Cuozzo FP, **Millette JB**. 2014. Using a dental ecology approach to assess dental health in a wild population of ring-tailed lemurs (*Lemur catta*) at the Bezà Mahafaly Special Reserve and Tsimanampesotse National Park, Madagascar. *Bulletin of the International Association for Paleodontology* 8(1):172.

**Millette JB**, Sauther ML, Cuozzo FP. 2014. Examining the efficacy of visual measures of coat condition, body mass and health in wild ring-tailed lemurs at the Bezà Mahafaly Special Reserve, Madagascar. *American Journal of Physical Anthropology* 153(S58):186.

Cuozzo FP, Ungar PS, Sauther ML, Yamashita N, **Millette JB**. 2011. Assessing the impact of exogenous grit and plant silica on primate tooth wear: A field and laboratory experimental approach. *American Journal of Physical Anthropology* 144(S52):118.

**Millette JB**, Sauther ML, Cuozzo FP. 2010. The impact of dental impairment on ring-tailed lemur food processing. *American Journal of Physical Anthropology* 141(S50):197-198.

Williams HS, **Millette JB**, Marshall JA. 2008. Dietary habits and weight status among adolescents in rural Colorado. *American Journal of Human Biology* 21:274-274.

**Millette JB**, Sauther ML, Cuozzo FP. 2007. Behavioral responses to tooth loss in ring-tailed lemurs (*Lemur catta*) at Beza Mahafaly Special Reserve, Madagascar. *American Journal of Physical Anthropology* 132(S44):172.

Brockman DK, Whitten PL, **Millette J**. 2005. Lemurs diverge in expression of a hormonal biomarker of life history. *American Journal of Physical Anthropology* 126(S40):78.

Thompson AL, Lampl M, **Millette JB**, Whitten PL. 2005. Noninvasive methods for steroid measurement during infancy. *American Journal of Physical Anthropology* 126(S40):205.

**Millette JB**, Freed BZ, Fuentes AF, Loudon JE. 2004. Adult male-immature interactions in long-tailed macaques (*Macaca fascicularis*) at Ubud, Bali, Indonesia. *American Journal of Physical Anthropology* 123(S38):147.

## **Presentations**

**Poster:** “The effect of dental impairment on food digestion in wild ring-tailed lemurs (*Lemur catta*) using fecal nutritional content.” **J.B. Millette**, M.L. Sauther, F.P. Cuozzo. Presented at the 85<sup>th</sup> Meetings of the American Association of Physical Anthropologists, Atlanta, GA, April 2016.

## **Presentations (continued)**

**Podium:** “Examining the Efficacy of Visual Measures of Coat Condition, Body Mass and Health in Wild Ring-tailed Lemurs at the Bezà Mahafaly Special Reserve, Madagascar.” **J.B. Millette**, M.L. Sauther, F.P. Cuozzo. Presented at the 83rd Meetings of the American Association of Physical Anthropologists, Calgary, AB, April 2014.

**Poster:** “Assessing the Impact of Exogenous Grit and Plant Silica on Primate Tooth Wear: A Field and Laboratory Experimental Approach.” F.P. Cuozzo, P.S. Ungar, M.L. Sauther, N. Yamashita, **J.B. Millette**. 80<sup>th</sup> Meetings of the American Association of Physical Anthropologists. Minneapolis, MN, April 2011.

**Podium:** “The Impact of Dental Impairment on Ring-tailed Lemur Food Processing.” **J.B. Millette**, M.L. Sauther, F.P. Cuozzo. 79<sup>th</sup> Meetings of the American Association of Physical Anthropologists. Albuquerque, NM, April 2010.

**Poster:** “Dietary Habits and Weight Status Among Adolescents in Rural Colorado.” H.S. Williams, **J.B. Millette**, J.A. Marshall. 34<sup>th</sup> Annual Meeting of the Human Biology Association. Chicago, IL, April 2009.

**Poster:** “Behavioral Responses to Tooth Loss in Ring-tailed Lemurs (*Lemur catta*) at Beza Mahafaly Special Reserve, Madagascar.” **J.B. Millette**, M.L. Sauther, F.P. Cuozzo. 76<sup>th</sup> Meeting of the American Association of Physical Anthropologists. Philadelphia, PA, March 2007.

**Poster:** “Lemurs Diverge in Expression of a Hormonal Biomarker of Life History.” D.K. Brockman, P.L. Whitten, **J. Millette**. 74<sup>th</sup> Meeting of the American Association of Physical Anthropologists. Milwaukee, WI, April 2005.

**Poster:** “Noninvasive Methods for Steroid Measurement During Infancy.” A.L. Thompson, M. Lampl, **J.B. Millette**, P.L. Whitten. 74<sup>th</sup> Meeting of the American Association of Physical Anthropologists. Milwaukee, WI, April 2005.

**Poster:** “Adult Male-Immature Interactions in Long-tailed Macaques (*Macaca fascicularis*) at Ubud, Bali, Indonesia.” **J.B. Millette**, B.Z. Freed, A.F. Fuentes, J.E. Loudon. 73<sup>d</sup> Meeting of the American Association of Physical Anthropologists. Tampa, FL, April 2004.

**Poster:** “Hands on Anthropology: Undergraduate Research Experiences on the Balinese Macaque Project.” **J.B. Millette III**, R. Stephenson, H. Kurashina. American Anthropological Association Meetings. New

Orleans, LA, November 2002.

**Poster:** “Interindividual Differences in Adult Male-Infant Interactions in Long Tailed Macaques (*Macaca fascicularis*), at Padangtegal, Ubud, Bali, Indonesia.” **J.B. Millette III**, B.Z. Freed, A. Fuentes, J. Loudon. Emory University Undergraduate Research Symposium. Atlanta, GA, October 2002.

## **Research Experience**

**Fall 2016 - Present: Hyperspectral Imaging Research:** Use and methods development for hyperspectral imaging in primatological and archaeological contexts. Principal Investigation: Dr. Gerardo Gutierrez.

**Spring 2015 - Present: Unmanned Aerial Vehicle and LiDAR Surveying:** Construction and use of a drones and use of LiDAR for mapping of protected areas and archaeological sites. Principal Investigator: Dr. Gerardo Gutierrez.

**Spring 2015 - Summer 2015: Ph.D. Dissertation Lab Work:** Completion of fecal-nutritional assessments at the University of Colorado. Advisor: Dr. Michelle Sauther.

**Oct 2013 - Spring 2014: Ph.D. Dissertation Lab Work:** Completion of Dental Topographic Analysis at the University of Arkansas, Fayetteville and followup analysis of data conducted at CU-Boulder. Advisor: Dr. Michelle Sauther.

**May 2012 - Mar 2013: Ph.D. Dissertation Fieldwork:** Dissertation data collection at the Bezà Mahafaly Special Reserve, Madagascar. Advisor: Dr. Michelle Sauther.

**Fall 2009 - Spring 2016: Ph.D. Dissertation Research:** "Challenging Assumptions of Dental Senescence Using a Primate Comparative Framework." Advisor: Dr. Michelle Sauther.

**Dec 2009 - Jan 2010: Graduate Fieldwork:** Research at Bezà Mahafaly Special Reserve, Madagascar. Advisors: Dr. Michelle Sauther and Dr. Frank Cuozzo.

**Summer 2008: Graduate Research:** "Tooth Loss and Energetic Stress in Ring-tailed Lemurs (*Lemur catta*) at the Bezà Mahafaly Special Reserve, Madagascar." Advisor: Dr. Michelle Sauther.

**Fall 2007 - Spring 2008: Graduate Research Assistant:** Dental cast production and measurement for the Bezà Mahafaly Ring-tailed Lemur Project. Principal Investigator: Dr. Michelle Sauther.

**Summer 2007: Graduate Assistant:** Literature collection and

review for Dr. Darna Dufour upon energetics and infant carrying.

**Fall 2006:**                   **Independent Research:** “An assessment of tooth wear and oral health in a museum sample of deer mice (*Peromyscus maniculatus*) from Colorado.” Completed as a component of EBIO 5760; Dr. David Armstrong, University of Colorado at Boulder.

**Spring 2006 - Fall 2007:**   **M.A. Thesis Research:** “Behavioral Responses to Tooth Loss in Ring-tailed Lemurs (*Lemur catta*) at Beza Mahafaly Special Reserve, Madagascar.” Advisor: Dr. Michelle Sauther.

### **Research Experience (continued)**

**Spring 2006:**                   **Graduate Assistant:** Data entry for Bezà Mahafaly Ring-tailed Lemur Project. Principal Investigator: Dr. Michelle Sauther.

**Fall 2004 - Summer 2005:** **Laboratory Research:** “Noninvasive Methods for Steroid Measurement During Infancy.” Focus on fecal and urinary steroid extraction methods development and radioimmunoassay development. Investigators: A. Thompson, M.L. Lampl, J.B. Millette, P.L. Whitten.

**Summer 2004 - Spring 2005:**   **Laboratory Research:** “Lemurs Diverge in a Hormonal Biomarker of Life History.” Focus on radioimmunoassay development. Investigators: D. Brockman, P.L. Whitten, and J.B. Millette, investigators.

**Summer 2002:**                   **Independent Undergraduate Field Research:** “Adult Male-Immature Interactions in Long-Tailed-Macaques (*Macaca fascicularis*) at Padangtegal, Ubud, Bali, Indonesia.” Advisors: Dr. Ben Freed and Dr. Agustin Fuentes.

### **Teaching Experience**

**2008 - 2016:**   **Graduate Teaching Assistant / Laboratory Instructor:** ANTH 2040 - Laboratory in Physical Anthropology II, University of Colorado Boulder, 8 semesters.

**2008 - 2014:**   **Graduate Teaching Assistant / Laboratory Instructor:**

ANTH 2030 - Laboratory in Physical Anthropology I,  
University of Colorado Boulder, 6 semesters.

- 2011:** **Graduate Teaching Assistant:** ANTH 2010 - Introduction to Physical Anthropology, University of Colorado Boulder, 1 semester.
- 2009 & 2016:** **Graduate Part Time Instructor / Lecturer:** ANTH 3000 - Primate Behavior, University of Colorado at Boulder, 2 semesters.
- 2008 - 2009:** **Graduate Teacher Program Lead Graduate Teacher:** Department of Anthropology Lead Graduate Teacher, University of Colorado Boulder, 1 academic year.
- 2006 - 2008 & 2015:** **Graduate Teaching Assistant:** ANTH 3000 - Primate Behavior, University of Colorado Boulder, 4 semesters.
- 2007:** **Graduate Teaching Assistant:** ANTH 1140 - Exploring a Nonwestern Culture: The Maya, University of Colorado Boulder, 1 semester.
- 2005:** **Graduate Grader:** ANTH 3000 - Primate Behavior, University of Colorado Boulder, 1 semester.

### **Teaching Experience (continued)**

- 2003:** **Undergraduate Student Assistant:** ANT 312 - Skeletal Biology, Emory University, 1 semester.

### **Service and Co-Curricular Activities**

- 2014 - 2015:** Biological Section Colloquium Committee Member, CU Department of Anthropology
- 2009:** Human Biology Association Graduate Student Representative
- 2009:** Teaching in Anthropology Brownbag Series, Founder
- 2008 - 2009:** Graduate Teacher Program Lead Graduate Teacher, CU Department of Anthropology
- 2006 - 2011:** Colloquium Committee Member, CU Department of Anthropology
- 2006 - 2008:** The Engaged Anthropologist, Member

**2006 - 2008:** Computer Committee, CU Department of Anthropology  
**2006 - 2007:** Brownbag Lunch Lecture Series Committee, CU Department of Anthropology  
**2006 - 2007:** Curriculum Committee Member, CU Department of Anthropology  
**2004:** Refugee Family Services, Science and Society Teaching Volunteer  
**2003:** Emory Anthropology Club, President  
**2000:** Emory Academic Team, Member

### **Organizational Memberships**

**2006 - 2016:** American Association of Physical Anthropologists, Member  
**2009 - 2011:** Human Biology Association, Member  
**2002 - 2005:** American Anthropological Association, Member

### **Research and Computer Skills**

Behavioral observation: instantaneous, all-occurrence and continuous techniques.  
Endocrine assessment: radioimmunoassay techniques and radioimmunoassay development.  
Photographic quantification of tooth wear.  
GIS-based dental topographic analysis.  
SYSTAT, SPSS, and JMP Pro statistical packages.  
ESRI ArcMap 9.2/10.2 Geographic Information Systems software.  
Microsoft Office Word, Excel and PowerPoint.  
Nutritional analysis laboratory methods for fiber (ADF/NDF), crude protein, and ash.

### **Additional Experience**

**2003 - 2005: Research Assistant:** Laboratory of Reproductive Ecology and Environmental Toxicology, Emory University. Principal Investigator: Dr. Patricia Whitten.

**2004 - 2005: Adjunct Research Assistant:** Laboratory of Comparative Human Biology, Emory University. Principal Investigator: Dr. Carol Worthman.