**Sofia K. Blue**

Ph.D. Candidate

Department of Biological Science, Kyoto University

OFFICE ADDRESS

Kyoto University Primate Research Institute
41-2 Kanrin, Inuyama, Aichi 484-8506 (Japan)

Ecology and Social Behavior Section, Room 321

PHONE/ EMAIL

080-3682-5749

sofia.bernstein.37e@st.kyoto-u.ac.jp

RESEARCH INTERESTS

Bioacoustics

Evolution of communication systems in non-human animals

Functional referents in vocalizations of non-human primates

Semantic communication in non-human animals

Interspecies communication

Sexual selection

Tactical deception

Animal ethics and animal welfare science

EDUCATION

**2013 - Present**

Ph.D. Student

Ecology and Social Behavior, Biology, Primate Research Institute, Kyoto University

L5 Student of the Leading Graduate Program in Primatology and Wildlife Science (PWS)

Chair: Drs. Michael Huffman and Hiroki Koda

Dissertation: The Vocal Repertoire of Tibetan Macaques in Mt. Huangshan, China: a Quantitative Analysis, Congeneric Comparisons, and Species-Specific Derived Calls

**2012**

M.Sc. Central Washington University, Primate Behavior

Chairs: Drs. Lori Sheeran and Steve Wagner

Thesis: Sexual Coercion and Mate Choice Tactics in Tibetan Macaques (*Macaca thibetana*) at Mt. Huangshan, China

**2009**

B.A. University of North Texas, Psychology

PUBLICATIONS

**Bernstein, S.K.**, Sheeran, L.K., Wagner R.S., Li J.H., Koda, H. The Vocal Repertoire of Tibetan macaques (*Macaca thibetana*): A Quantitative Classification. American Journal of Primatology (in review)

Sun, B., Xi, W., **Bernstein, S.K.**, Huffman, M., Xia, D.P., Gu, Z., Chen, R., Sheeran, L.K., and Li, J.H. Marked Variation between Winter and Spring Gut Microbiota in Free-Ranging Tibetan Macaques (Macaca thibetana)". Scientific Reports (in review)

**Bernstein, S.K**. A Species Specific Approach to Deception Studies in Non-Human Primates (in progress)

FUNDING

**2015**

Primatology and Wildlife Science Leading Graduate Program

**2014**

Primatology and Wildlife Science Leading Program Research Assistant 2014- present

**2013**

Kyoto University, Primate Research Institute Graduate Research/Teaching Assistant

Monbukagakusho JASSO (Japan Student Services Organization) Honors Scholarship for Privately Financed International Students (October 2013 - April 2014)

**2012**

Central Washington University Young Researcher Grant in Biology

**2011**

NSF/IRES Grant Funding for Primate Research at Mt. Huangshan China

Central Washington University Research/Teaching Assistantship 2010-2011

AWARDS AND HONORS

National Scholars Honor Society 2008

Tau Sigma National Honor Society 2007

Alpha Chi Honor Society Texas Chapter 2007

Golden Key Honor Society 2006-2009

RESEARCH AND WORK EXPERIENCE

**2016**

**-**Tibetan Macaque Female Copulation Calls and the Audience Effect data analysis, and testing the existing 14 hypotheses and Pradhan et al.’s model

-Dead Infant Carrying during Copulations by Female Tibetan Macaques in the Mating Season at Mt. Huangshan, China data analysis and write up

**2015**

**-**Bioacoustic Analysis of the Vocal Repertoire of Tibetan macaques in Mt. Huangshan, China

-Fieldwork and Analysis of Research Concerning Infant Mortality in a Group of Semi-Free Ranging Tibetan Macaques at Mt. Huangshan, China with Central Washington University China Field School Program and Primate Behavior and Ecology Program

-Fieldwork and Collaborative Project with Anhui University Investigating the Influence of Season on the Gut Microbiota of Tibetan macaques at Mt. Huangshan, China

**2014**

-The Vocal Repertoire of Tibetan Macaques

-Fieldwork in Mt. Huangshan, China (August 2014 – February 2015) collecting vocal recordings for assessing the Vocal Repertoire of Tibetan macaques

**2013**

-Language Acquisition and Alternate Modes of Communication in Children with Autism, Autism Spectrum Therapies Behavioral Analyst (2012- 2013)

**2012**

-Assessing Parasite Load and Social Transmission in Wooly Monkeys at Yana Cocha Sanctuary, Puyo, Ecuador (March 2012 – June 2012)

-Construction of an Ethogram of Abnormal Behaviors in the Non-Human Primates of Yana Cocha Sanctuary, Puyo, Ecuador and Training of Volunteers

-Collecting samples in Search of the Deadly Chytrid Fungus in the Frogs of Puyo, Ecuador

**2011**

-Fieldwork at Mt. Huangshan, China Investigating Sexual Coercion and Mate Choice Tactics in Tibetan Macaques (August 2011-October 2011)

**2009**

-Applied Behavioral Analysis Research Assistant, Child Study Center, Fort Worth, Texas

(June 2008-November 2009)

-Research Assistant in the Human Lab, Department of Psychology, Section of Applied Behavioral Analysis, University of North Texas (January 2009-December 2009)

PRESENTATIONS

*Oral Presentations*

**Bernstein, S.K.** The Vocal Repertoire of Tibetan macaques (*Macaca thibetana*): A Quantitative Classification and Congeneric Comparisons. The 5th Annual Symposium of the Leading Graduate Program in Primatology and Wildlife Science, Inuyama, Japan, 2016

**Bernstein, S.K.**, Sheeran, L.K., Wagner R.S., Li J.H., Koda, H. The Vocal Repertoire of Tibetan macaques (*Macaca thibetana*): A Quantitative Classification. 60th PRIMATES Conference, Inuyama, Japan, 2016

**Bernstein, S.K.** Investigating the Vocal Repertoire of Tibetan Macaques and Collaborative Work at the Valley of the Wild Monkeys. The 4th International Symposium on Primatology and Wildlife Science (Interim Symposium), Kyoto, Japan 2015

**Bernstein, S.K.** Report on Research Conducted on Wild Tibetan macaques in the Valley of the Wild Monkeys, Mt. Huangshan, China. The 4th International Seminar on Biodiversity and Evolution, Kyoto, Japan, 2015

**Bernstein, S.K.** Investigating the Vocalizations of Tibetan Macaques in the Valley of the Wild Monkeys at Mt. Huangshan, China and Collaborative Work with Anhui and Central Washington University. The 3rd Annual Symposium of the Leading Graduate Program in Primatology and Wildlife Science, Kyoto, Japan 2015

**Bernstein, S.K.** Vocalizations in Tibetan Macaques and Collaborative Work with Central Washington University and Anhui University. Guest Lecture Series, Central Washington University, 2015

**Bernstein, S.K.** Sexual Coercion and Mate Choice Tactics in Tibetan Macaques at Mt. Huangshan, China. Darwin Day, Central Washington University, 2012

**Bernstein, S.K.** Justify Your Existence: Research in China. Central Washington University, Lecture Series for the William O. Douglas Honors, 2011

*Posters*

**Bernstein, S.K.** Tibetan Macaque Infant Mortality and Field Site Management in the Valley of the Wild Monkeys (VWM). The 31st Congress of Primate Society of Japan, Kyoto, Japan, 2015

**Bernstein, S.K.** Tibetan Macaque Infant Mortality and Field Site Management in the Valley of the Wild Monkeys (VWM). The 4th International Symposium on Primatology and Wildlife Science (Interim Symposium), Kyoto, Japan, 2015

**Bernstein, S.K.** Tibetan Macaque Infant Mortality and Field Site Management in the Valley of the Wild Monkeys (VWM). Kyoto University Leading Graduate Schools Programs Joint Workshop, Kyoto, Japan, 2015

**Bernstein, S.K.** Investigating the Vocalizations of Tibetan Macaques in the Valley of the Wild Monkeys at Mt. Huangshan, China and Collaborative Work with Anhui and Central Washington University. The 3rd Annual Symposium of the Leading Graduate Program in Primatology and Wildlife Science, Kyoto, Japan 2015

**Bernstein, S.K.** Previous Study at the Valley of the Wild Monkeys and the Next Generation of Research and Community Outreach. The 1st International Symposium on Primatology and Wildlife Science, International Institute for Advanced Studies, Japan, 2014

TEACHING EXPERIENCE

Spring 2015

*Kyoto University*

Guest Lecturer- “Zoo History and Zoos in the 21st Century” Zoo Biology (Dr. Fred Bercovitch)

Guest Lecturer- “Current Topics in Conservation: The Ivory Trade”, Conservation Biology (Dr. Fred Bercovitch)

*Primate Society of Japan*

Workshop Organizer and Guest Speaker- “Street Monkey Performance: Cultural Roots and Welfare”

*Central Washington University*

Guest Lecturer- Testimonials in Primatology: Research Abroad. Cultural Anthropology (Dr. Steve Hackenberger)

Winter 2011

*Central Washington University*

Teaching/ Research Assistant- Nonhuman Animal Ethics (Dr. Mathew Altman)

Teaching Assistant- Primate Fossil Record (Dr. Lori Sheeran)

Fall 2010

*Central Washington University*

Teaching Assistant- Physiological Psychology (Dr. Megan Matheson)

MEMERSHIPS

2015- present Primate Society of Japan

2015- present International Primatological Society

MEDIA

*Television*

CCTV Interview, Tibetan Macaques Across the Seasons, 2015

Your World TV Show, Episode: Primate Research and Studying Abroad at Central Washington University, 2012

*Press*

Central Washington University, The Observer Newspaper, Article Studying Abroad at Central Washington University, 2012

*Podcast*

Interviewer and Co-Producer, The PrimateCast, Inuyama, 2014- present

<http://www.cicasp.pri.kyoto-u.ac.jp/news/podcasts>

Episode #35 Nina’s Passion- an Earth Day 2015 Special, The PrimateCast, Center for International Collaboration in Advanced Studies in Primatology (CICASP), Kyoto University

Episode #24 An Inerview with Dr. Raman Sukumar- Coverage of the 74th Annual Congress of the Japan Society for Animal Pscyhology, The PrimateCast, CICASP, Kyoto University

Episode #23 An Interview with Dr. Maciej Trojan- Coverage of the 74th Annual Congress of the Japan Society for Animal Pscyhology, The PrimateCast, CICASP, Kyoto University

Episode #22 Communication- Coverage of the 74th Annual Congress of the Japan Society for Animal Pscyhology, The PrimateCast, CICASP, Kyoto University

Episode #21 Pro-social Behavior- Coverage of the 74th Annual Congress of the Japan Society for Animal Pscyhology, The PrimateCast, CICASP, Kyoto University

Episode #20 Mental Time Travel, Metacognition and Metaphorical Mapping- Coverage of the 74th Annual Congress of the Japan Society for Animal Pscyhology, The PrimateCast, CICASP, Kyoto University

Episode #19 An Interview with Dr. Miho Inoue-Murayama, The PrimateCast, CICASP, Kyoto University

*Conserv’Session: Documentary Viewings and Discussions*

Co-founder and Facilitator 2014- present

SKILLS

*Languages*

English- native

Spanish- native

Japanese- elementary proficiency

*Technological Skills*

**Statistical Software** R version 3.2.2, ggplot2.2.1.0

**Audio Editing and Production** Avisoft SASLab Pro, Logic Pro, Audacity

**Graphic Design and Layout** Inkscape 0.91

**Word Processing** Microsoft Office 2010