

# CURRICULUM VITAE

Lisa Jones-Engel, PhD

## 1. Biographical Information

Research Assistant Professor, Department of Anthropology  
Director, Evolutionary Emergence of Infectious Diseases Laboratory  
Affiliate, Center for Studies in Demography and Ecology  
University of Washington, Seattle, WA 98105  
Phone; 206-372-6190; E-mail: ljengel@uw.edu  
Born: 7 December 1965  
Nationality: US

## 2. Educational Background

1988 BA, Government, Concentration in SE Asian studies, Cornell University  
1993 MA, Physical Anthropology, New York University  
2002 PhD, Biological Anthropology, University of New Mexico

## 3. Postgraduate Training

2002-04 Department of Psychology and Division of International Programs, Washington National Primate Research Center, University of Washington, Post-Doctoral Fellow

## 4. Positions and Employment

1983 Research Assistant, Orangutan Research and Conservation Project, Kalimantan  
1986 - 1987 Research Assistant, Yerkes Primate Research Center, Atlanta, GA  
1989 - 1991 Assistant Laboratory Animal Technician, LEMSIP, Tuxedo, NY  
1991 - 1992 Supervisor, Chimpanzee Rehabilitation Project, Banjul, The Gambia  
1996 - 1998 Sr. Surgical Technician, Town and Country Animal Hospital, Albuquerque, NM  
1997 - 1998 Director of Veterinary Care, Krabok Koo Wildlife Rehabilitation Center, Thailand  
2002 - 2004 Postdoctoral fellow, University of Washington, Dept of Psychology, Seattle, WA  
2004 – 2008 Research Scientist, UW, National Primate Research Center, Seattle, WA  
2008- Affiliate Research Scientist, Fred Hutchinson Cancer Research Center, Seattle, WA  
2008 – 2016 Senior Research Scientist, UW, Nat'l Primate Research Center, Seattle, WA  
2015- Affiliate, Center for the Study of Demography and Ecology, UW, Seattle, WA  
2016 - Research Assistant Professor, Univ of Washington, Department of Anthropology, Seattle, WA

## 5. Honors

1983 Bausch and Lomb Science Award  
1988 Developmental Fellowship, New York University  
2001 Sphuler Fellowship, University of New Mexico  
2014-15 Fulbright Scholar, South Asia

## 6. Professional Organizations

American Society of Primatology; International Primatological Society; Institute of Translational Health Sciences

## 7. Special National Responsibilities

2001- 2010 Captive Care and Breeding Committee: International Primatological Society  
2001-2004 Program Committee: American Society of Primatology (ASP)  
2002-2006 Conservation Committee: ASP  
2006-present Reviewer for peer reviewed journals including: American Journal of Primatology; Ecological and Environmental Anthropology; Emerging Infectious Diseases; Journal of Virology; PLoS; Virology; Journal Medical Primatology; Primates; International Journal of Primatology  
2007-2012 Nominations Committee: ASP  
2007-2013 Research Committee: ASP  
2012- National Institutes of Health Special Emphasis Ad Hoc Reviewer  
2015- US Fulbright Regional Peer Review Committee for South Asia

## 8. Research Funding

### Current Research Funding:

Global Innovation Fund University of Washington *Is human transmission of treponemes to pet macaques impeding eradication efforts?* (\$26,924)(PI: Jones-Engel) 01/01/2017-12/31/2017

R21 AI119473-01 National Institutes of Health- National Institute of Allergy and Infectious Diseases *Tuberculosis case finding by oral swab* (\$20,000 sub) (PI:Cangelosi) 04/01/2015- 03/31/17

FA126044/A106799 Bill and Melinda Gates Foundation. *Non-Invasive Tuberculosis Diagnosis and Case Finding* (\$35,000 sub) (PI: Cangelosi) 06/15/2016- 06/14/2018

### Pending Funding:

R21 AI125263 National Institutes of Health- National Institute of Allergy and Infectious Diseases. *Studying Resistance to Simian Foamy Virus in Bangladesh* (\$436,000)(PI: Jones-Engel)

Royalty Research Fund, University of Washington (\$39,000) *Exposing the Exposed: Illuminating the Mycobacterium Pathogen Landscape* (PI: Jones-Engel)

### Completed Funding:

P51 OD 010425-51. National Institutes of Health- National Center for Research Resources. Washington National Primate Research Center (\$450,000 sub) (PI: Thomas Baillie) 2012

R01 AI078229. National Institutes of Health- National Institute of Allergy and Infectious Diseases (\$3,994,491). *Evolution and Emergence of Simian Retroviruses in Bangladesh*. (PI: Jones-Engel) 2008

R21 AI097832-01 National Institutes of Health- National Institute of Allergy and Infectious Diseases (\$100,000). *Foamy virus zoonotic transmission from New World Monkeys*. Co-Principle Investigator. (PI: Maxine Linial) 2011

P51 RR 00166. National Institutes of Health- National Center for Research Resources. Washington National Primate Research Center (\$485,140) (PI: Martha Somerman) 2006

R01GM080586. National Institutes of Health- National Institute of General Medical Sciences. (\$381,271). *Evolution of Plasmodium vivax and Asian Macaque Malaria*. Co-Investigator. (PI: Escalante) 2008

R01 AI078229-03S1 National Institutes of Health- National Institute of Allergy and Infectious Diseases (\$163,790) *Evolution and Emergence of Simian Retroviruses in Bangladesh- ARRA Supplement* (PI: Jones-Engel) 2009

RR 02S014 National Institutes of Health- National Center for Research Resources (\$10,000) *A Molecular-Based Early Indicator of Tuberculosis Exposure: Applications for the Lab and Implications for Public Health* (PI: Jones-Engel) 2007

R03 AI064865. National Institutes of Health- National Institute of Allergy and Infectious Diseases (\$169,963) *Primate Enterovirus transmission in Bangladesh* (PI: Jones-Engel) 2006

Puget Sound Partners for Global Health (\$50,000) *Primate-to-Human Pathogen Transmission: Bio-threats in China*. (PI: Jones-Engel) 2004

Royalty Research Fund, University of Washington (\$36,000) *Bi-directional pathogen transmission between humans and nonhuman primates in Thailand: Implications for human health and primate conservation*. (Co-PI: Jones-Engel) 2003

N66001-02-C-8072 DARPA (\$212,369) *Bi-Directional Pathogen Transmission between Humans and Nonhuman Primates: Characterizing the Nonhuman Primate* (PI: Jones-Engel) 2002

Unconventional Concepts Inc. (\$50,000) *Bi-Directional Pathogen Transmission between Humans and Nonhuman Primates: Characterizing the Nonhuman Primate* (PI: Jones-Engel) 2001

### 10a. Bibliography Refereed Journals

- 1) **Jones-Engel L**, Bard K.A. (1996). Precision grips in young chimpanzees. *Amer J Primtol* 39: 1-15.
- 2) **Jones-Engel L**, Engel G.A., Schillaci M.A., Babo R., Froehlich J.W. (2001). Detection of antibodies to selected human pathogens among wild and pet macaques in Sulawesi, Indonesia. *Amer J Primatol*, 54, 171-178.
- 3) Schillaci MA, **Jones-Engel L**, Heidrich J.E., Miller G.P., Froehlich, J.W. (2001). A field methodology for lateral cranial radiography of nonhuman primates. *Am J of Phys Anthropol*, 116, 278-284.
- 4) Engel G.A., **Jones-Engel L**, Schillaci M.A., Suaryana K.G., Putra A., Fuentes A., Henkel R. (2002). Human exposure to herpesvirus B-seropositive macaques, Bali, Indonesia. *Emerg Infect Dis*, 8, 789-795.

- 5) **Jones-Engel L.**, Engel G.A., Schillaci M., Fuentes A., Suaryana K.G., Rompis A., Putra A., Wandia I., Paputangan U., Allan J., Grant R., Kuller L., Henkel R., Kyes R. (2002). Serological, epidemiological and ethnoprimateological evidence for bidirectional pathogen transmission between humans and primates in Indonesia. Abstract of the Healthy Ecosystem, Healthy People: Linkages between biodiversity, ecosystem health and human health, p.10.
- 6) **Jones-Engel L.**, Schillaci M.A., Engel G.A. (2003). Interaction between humans and nonhuman primates. In: Setchell J., Curtis D., editors. Field & laboratory methods in Primatology. Cambridge: Cambridge University Press, p 15-24.
- 7) Froehlich, J.W., Schillaci, M.A., Jones-Engel, L., Froehlich, D.J., Pullen, B. (2003). A Sulawesi beachhead by longtail monkeys (*Macaca fascicularis*) on Kabena Island, Indonesia. Anthropologie, XLI/1-2, 67-74.
- 8) **Jones-Engel L.**, Engel G.A., Schillaci M.A., Kyes K., Paputangan U., Allan J., Grant R., Froehlich, J.W., Kyes R.C., (2004). A serological survey of antibody prevalence to endemic primate pathogens among pet macaques from Sulawesi, Indonesia. Amer J Primatol, 62(1), 42-43.
- 9) **Jones-Engel L.**, Engel G.A., Schillaci M., Froehlich J.W., Paputungan U., Kyes R. (2004). Prevalence of Enteric Parasites among Pet Macaques in Sulawesi, Indonesia. Amer J Primatol, 62, 71-82.
- 10) Kyes R.C., **Jones-Engel L.**, Huettmann F. (2004). Primate Conservation Biology: Moving towards a comprehensive approach to population assessment. Folia Primatol, 75(1), 389.
- 11) Chalise M.K., **Jones-Engel L.**, Engel G.A., Heidrich J., Kyes R.C., Grant R. (2004). Health status of semi-provisioned free-ranging temple rhesus monkeys of Kathmandu Valley, Nepal. Folia Primatol, 75(1), 363-364.
- 12) Grant R., Watanabe R., Kuller L., Poland B., Vinh C., McLain R., **Jones-Engel L.**, Schillaci M., Lee B., Pamungkas J., Iskandriati D., Kyes R., Anderson D. (2005). Comparison of Wild-Type SRV in Indonesia and Singapore. J. Med. Primatol. 34, 332-333.
- 13) **Jones-Engel L.**, Engel G.A., Schillaci M., Rompis A., Putra A., Suryana K., Fuentes A., Beer B., Hicks S., White R., Wilson B. & Allan J. (2005). Primate to Human Retroviral Transmission in Asia. Emerging Infect Dis.11(7),1028-35.
- 14) **Jones-Engel L.**, Engel G.A., Schillaci M.A. (2005). An ethnoprimateological assessment of disease transmission among humans and wild and pet macaques on the Indonesian island of Sulawesi. In Commensalism and Conflict: The primate-human interface. Eds. J. Patterson and J. Wallis, pp. 196-221.
- 15) **Jones-Engel L.**, Schillaci M.A., Engel G.A., Paputungan U., Froehlich J.W. (2005). Characterizing primate pet ownership in Sulawesi: implications for disease transmission. In J. Patterson and J. Wallis eds. Commensalism and Conflict: The primate-human interface. ASP, p 197-221.
- 16) Schillaci M.A., Froehlich J.W., Supriatna J., **Jones-Engel, L.** (2005). The effects of hybridization on growth allometry and craniofacial form in Sulawesi macaques. J Hum Evol. 49(3), 335-69.
- 17) Grant R., Vinh C., Watanabe R., McLain R., Kuller L., Poland B., **Jones-Engel L.**, Iskandriati D., Pamungkas J., Kyes R.C., Anderson D. (2005). A novel type-D simian retrovirus (srv) in newly imported *M. nemestrina* similar to endogenous langur monkey retrovirus: Evidence of cross-genus transmission. Amer J Primatol, 66(S1), 77-78.
- 18) Schillaci MA., **Jones-Engel L.**, Engel G.A., Paramastri Y., Iskander E., Wilson B., Allan J., Kyes R., Grant R. (2005). Prevalence of enzootic simian viruses among urban performance monkeys in Indonesia. Trop Med Int Health, 10, 1305-14.
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- 20) **Jones-Engel L.**, Engel G.A., Heidrich J., Chalise M., Poudel N., Viscidi R., Barry P., Allan J., Grant R., Kyes R. (2006). Temple Monkeys and Health Implications of Commensalism, Kathmandu, Nepal. Emerg Infect Dis, 12, 900-906. PMC3373059.
- 21) **Jones-Engel L.**, Engel G.A., Schillaci M.A., Heidrich J., Lee B., Chalise M.K., Kyes R.C., Travis D. (2006). Considering Human to Primate Transmission of Measles Virus through the Prism of Risk Analysis. Amer J Primatol, 68, 868-879.
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- 24) Travis D.A., Hungerford L., Engel G.A., **Jones-Engel L.** (2006). Disease risk analysis: a tool for primate conservation planning and decision making. *Amer J Primatol*, 68, 855-867.
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- 35) Sha J.C., Gumert M., Lee B., Fuentes A, Chan S., **Jones-Engel L.** (2009). Status of the long-tailed macaque (*Macaca fascicularis*) in Singapore and implications for management. *Biodiver Cons* 18, 2909-2906.
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- 43) Pacheco M.A., Reid M.J.C., Schillaci M.A., Lowenberger C.A., Galdikas B.M.F., **Jones-Engel L.**, Escalante A.A. (2012). The Origin of Malarial Parasites in Orangutans. *PLoS One*, 7(4), e34990. PMC3335055.

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#### 10b. Books and Book Chapters

- 1) **Jones-Engel L.** (2002). Bidirectional pathogen transmission among humans and nonhuman primates on the Indonesian island of Sulawesi. *Dissertation Abstracts International*, A63(2), 649.
- 2) **Jones-Engel L**, Schillaci MA, Engel G. (2003). Interaction between humans and nonhuman primates. In: J Setchell, Curtis D, eds. *Field & Laboratory Methods in Primatology*. Cambridge: Cambridge University Press. pp 15-24.
- 3) **Jones-Engel L**, Schillaci MA, Engel G, Papatungan U, Froehlich J.W. (2005). Characterizing primate pet ownership in Sulawesi: implications for disease transmission. In J. Patterson and J. Wallis eds. *Commensalism and Conflict: The primate-human interface*. American Society of Primatology Publications. pp. 197-221.
- 4) **Jones-Engel L**, Engel G. (2009). The Risks and Contexts of Emerging Primate-borne Zoonoses. In *Health, Risk and Adversity*. Eds A. Fuentes and C. Panter-Brick. Berghahn Books, Oxford. pp.52-77.
- 5) Schillaci M, Engel G, Fuentes A, Rompis A, Putra A, Wandia IM, Bailey JA, Brogdon BG, **Jones-Engel L.** (2010). The Not-So-Sacred Monkeys of Bali: A Radiographic Study of Human-Primate Commensalism. In *Developments in Primatology: Progress and Prospects*. Eds. S Gursky and J Supriatna. Springer New York. pp. 249-256.
- 6) **Jones-Engel L**, Engel G, Fuentes A. (2011). An Ethnoprimateological Approach to Human-Nonhuman Primate Interactions. In: J Setchell and Curtis D, eds. *Field & Laboratory Methods in Primatology 2<sup>nd</sup> Ed.*. Cambridge: Cambridge University Press. pp 21-32.
- 7) Engel GA, **Jones-Engel L.** (2011). The role of *Macaca fascicularis* in infectious agent transmission. In: M. Gumert, Fuentes A and Jones-Engel L, eds. *Monkeys on the Edge*. Cambridge: Cambridge University Press. pp 183-204.
- 8) **Jones-Engel L**, Engel G, Gumert M, Fuentes A. (2011). Developing sustainable macaque communities. In: M. Gumert, Fuentes A and **Jones-Engel L**, eds. *Monkeys on the Edge*. Cambridge: Cambridge University Press. pp 295-327.
- 9) Gumert MD, Fuentes A, Engel G, **Jones-Engel L.** (2011). Future directions for research and conservation of long-tailed macaque populations. In: M. Gumert, Fuentes A and Jones-Engel L, eds. *Monkeys on the Edge*. Cambridge: Cambridge University Press. pp 328-353.
- 10) Engel G.A., **Jones-Engel L.** (2011). The role of *Macaca fascicularis* in infectious agent transmission. In: Gumert M., Fuentes A. & **Jones-Engel L**, eds. *Monkeys on the Edge*. Cambridge: Cambridge University Press, pp 183-204.
- 11) Gumert, MD, Fuentes A, **Jones-Engel, L.** (2011). *Monkeys on the Edge: Ecology and Management of Long-tailed Macaques and their Interface with Humans*. Cambridge University Press.
- 12) Klegarth AR, Fuentes A, Jones-Engel L, Marshall G, Abernathy K. *In press*. The ethical implications, and practical consequences, of attaching remote telemetry apparatus to macaques. In: Shaffer CA, Dolins F, Hickey JR, Nibbelink NP, Porter L, editors. *GPS and GIS for primatologists: A practical guide to spatial analysis*. Cambridge University Press: Cambridge.
- 13) Jones-Engel, L. 2017. Characterizing Simian Foamy Virus Transmission in Bangladesh. In: Dore K, Riley E, Fuentes A, editors. *Ethnoprimateology: A Practical Guide to Research at the Human-Nonhuman Primate Interface*. Cambridge University Press, Cambridge
- 14) Knauf S, Jones-Engel. In prep. *Neglected Tropical Diseases in Nonhuman Primates*. Edited volume. Springer.

#### 10c. Other Publications

- 1) McCann C., Buchanan-Smith H.M., Farmer K., Fitch-Snyder H., **Jones-Engel L.**, Prescott M.J., Taylor S. (2007). *IPS International Guidelines for the Acquisition, Care and Breeding of Nonhuman primates*, 2nd Ed. Captive Care Committee, International Primatological Society.

[http://www.marmosetcare.com/downloads/IPS\\_InternationalGuidelinesfortheAcquisitionCareandBreedingofNonhumanPrimates\\_2ndEdn\\_2007.pdf](http://www.marmosetcare.com/downloads/IPS_InternationalGuidelinesfortheAcquisitionCareandBreedingofNonhumanPrimates_2ndEdn_2007.pdf)

- 2) International Encyclopedia of Primatology (2017). A. Fuentes Ed. L. Jones-Engel Associate Editor for “Diseases”. Wiley Blackwell. 1608 pages

## 11. Selected Invitational Presentations

- 1) “Familiarity Breeds Contempt: The Sacrifice of Rhesus and Long-tailed Macaques” Radcliffe Exploratory Seminar: Beyond the Trope of Sacrifice (March 2017)
- 2) “The Lies that Scars Tell”. CSDE (March 2017)
- 3) “The Lies that Scars Tell: SFV in Bangladesh” IPS (June 2016)
- 4) “Macaques in the Sanctuary”. NAPSA 2016 Workshop
- 5) “One Health: Animals, Humans and the Environment”. UW Mini-Med School (March 2015)
- 6) “Synanthropic Primates and Disease Risk: A Monkey at Hand vs Two in the Bush” Presented at the University of California Davis colloquium lecture. Davis, CA (March 2013)
- 7) “The Making of Team Monkey” Presented at AA Science Platform Program Workshop. Kyoto University Primate Research Institute, Nagoya, Japan (November 2012)
- 8) “Synanthropy and Disease Risk: Human-Primate Interface in Asia” Presented at AA Science Platform Program Workshop. Kyoto University Primate Research Institute, Nagoya, Japan (November 2012)
- 9) “Synanthropic Primates and Disease Risk in Asia” Presented at Pathology/Microbiology Basic Sciences Seminar Series. University of Nebraska (May 2010)
- 10) “Synanthropy and Disease Risk in Asia: Malaria, Tuberculosis, Enteroviruses, and Simian Retroviruses” Presented at the Institute of Arctic Biology Life Sciences Seminar Series. University of Alaska at Fairbanks (April 2010).
- 11) “Infectious Agent Transmission at the Human-Primate Interface” Presented at the Symposium on ex situ Conservation of Orang Utan, Perak, Malaysia (March 2009).
- 12) “Synanthropic Primates and Disease Risk in Asia” Presented for the University of Washington, Division of Allergy and Infectious Diseases (July 2008).
- 13) “People, Primates and Pathogens: The Evolution of a Global Emergency and the Future of Conservation and Public Health Efforts” Presented at the School of Evolution and Social Change: Arizona State University (May 2008).
- 14) “Cross-Species Transmission of Enteroviruses in Bangladesh: Host Switches Within an Ecological Context?” Presented at Division of Microbiology and Infectious Diseases, NIAID 2008 International Research in Infectious Diseases (May 2008).
- 15) “Human-Primate Interface: Where are the ‘Hot Spots?’” Presented at Council for the Advancement of Science Writing- 45th Annual New Horizons in Science (October 2007).
- 16) “Keeping the Monkeys off Your Back.” Presented at the 10<sup>th</sup> Annual Council for the International Society of Travel Medicine, Vancouver, Canada (June 2007).
- 17) “Primate to Human Retroviral Transmission in Asia” Presented at the 14<sup>th</sup> International Symposium on HIV and Emerging Infectious Diseases, Toulon, France (June 2006)
- 18) “Bi-directional Pathogen Transmission Between Humans and Primates: Implications for Global Health and Primate Conservation. Presented for the University of Washington, Department of Pathobiology (May 2006)
- 19) “Characterizing Enterovirus Transmission Between Humans and Primates in Bangladesh” Presented at Division of Microbiology and Infectious Diseases, NIAID 2006 International Research in Infectious Diseases (May 2006).
- 20) “Adversity and Risk at the Human-Primate Interface” Presented at the Wenner Gren conference on Health, Risk, And Adversity: A New Synthesis From Biological Anthropology. Durham, UK (March 2006).
- 21) “Bi-directional Pathogen Transmission Between Humans and Primates in Asia.” Presented at University of Toronto at Scarborough (February 2006).
- 22) “Factors that Influence Human-Primate MTb Transmission in Asia.” Presented at Arizona State University (November 2005).



- 23) "The Evolution of Team Monkey." Presented at department of Veterinary Pathobiology Oklahoma State University (December 2005).
- 24) "Primate Zoonoses in Asia" Presented at the Risk Analysis Workshop Lincoln Park Zoo, Chicago (March 2003).
- 25) "Applications of Non-Human Primates in Biotechnology for Conservation and Medical Research" Presented at Bogor University, Indonesia (July 2002).