

CURRICULUM VITAE

Jean-Baptiste LECA

Associate Professor

Board of Governors Research Chair (Tier II)

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RESEARCH FIELDS AND INTERESTS

Fields: Ethology, Comparative Psychology, Behavioural Ecology, Anthropology, Primatology, Conservation
Interests: Inter-group behavioural variation, innovation, culture, social learning, development, cognition, social organization, group decision, object play, tool use, token exchange, manual laterality, sex hormones, sexual behaviours, sexual orientation, non-adaptive cultural behaviours, personality

EDUCATION

Initial education

2002 **Ph.D. in Ethology**, University Louis Pasteur, Strasbourg, France
1998 **M.Sc. in Neuroscience**, *Magna Cum Laude*, University Louis Pasteur, Strasbourg, France
1997 **Primate Cognition class, B.A. in Cognitive Psychology**, *Magna Cum Laude*, University Louis Pasteur, Strasbourg, France
1995 **B.Sc. in Cell Biology, Animal Physiology and Behavioural Neuroscience**, *Magna Cum Laude*, University of Bordeaux, France

Continuing education

2001 Animal Experimentation License, University Louis Pasteur, Strasbourg, France
2000 Certificate in Animal Population Managing, University Louis Pasteur, Strasbourg, France

PROFESSIONAL AND ACADEMIC APPOINTMENTS

2019-present **Associate Professor (tenured)**
Department of Psychology, University of Lethbridge, Canada

2019-present **Adjunct Faculty**
School of Natural and Engineering Sciences
National Institute of Advanced Studies, Bangalore, India

2017-present **Board of Governors Research Chair (Tier II: Origins & Explorations)**
Office of the Vice-President (Research), University of Lethbridge, Canada

2014-2019 **Assistant Professor**
Department of Psychology, University of Lethbridge, Canada

2011-2014 **Post-doctoral Fellow**
Department of Psychology, University of Lethbridge, Canada

- 2011-2014 **Sessional Lecturer**
Department of Psychology, University of Lethbridge, Canada
- 2010 **Visiting Researcher**
Primate Research Center, Udayana University, Bali, Indonesia
- 2007-2009 **Post-Doctoral Fellow**
Primate Research Institute, Kyoto University, Japan
- 2006 **Research Associate**
Institut Pluridisciplinaire Hubert Curien, Strasbourg, France
- 2003-2005 **Post-doctoral Fellow**
Primate Research Institute, Kyoto University, Japan
- 1998-2002 **Instructor**
Department of Ecology and Ethology, University Louis Pasteur, Strasbourg, France

PUBLICATIONS

Articles published in peer-reviewed journals (*: Leca lab's members – former or current)

39. Pellis SM, Pellis V, Pelletier A*, **Leca JB**. (2019). Is play a behavior system, and, if so, what kind? *Behavioural Processes*, 160, 1-9 (Special Issue: "Legacy of William Tinberlake"). Open Access: <https://doi.org/10.1016/j.beproc.2018.12.011>
38. **Leca JB**, Gunst N*, Shimizu K, Huffman MA, Takahata Y, Vasey PL. (2018). Hormonal contraceptive affects heterosexual but not homosexual behavior in free-ranging female Japanese macaques over 17 mating seasons. *Hormones and Behavior*, 105, 166-176.
37. Gunst N*, Vasey PL, **Leca JB**. (2018). Deer mates: A quantitative study of heterospecific sexual behaviors performed by Japanese macaques toward Sika deer. *Archives of Sexual Behavior*, 47(4), 847-856.
36. Pelletier AN*, Kaufmann T*, Mohak S*, Milan R*, Nahallage CAD, Huffman MA, Gunst N*, Rompis A, Wandia IN, Arta Putra IGA, Pellis SM, **Leca JB**. (2017). Behavior systems approach to object play: Stone handling repertoire as a measure of propensity for complex foraging and percussive tool use in the genus *Macaca*. *Animal Behavior and Cognition*, 4(4), 455-473.
35. Brotcorne F*, Giraud G, Gunst N*, Fuentes A, Wandia IN, Beudels-Jamar RC, Poncin P, Huynen MC, **Leca JB**. (2017). Intergroup variation in robbing and bartering by long-tailed macaques at the Uluwatu Temple (Bali, Indonesia). *Primates*, 58(4), 505-516.
34. Gunst N*, Forteau AM, Philbert S, Vasey PL, **Leca JB**. (2016). Decline in population density and group size of mona monkeys in Grenada. *Primate Conservation*, 30, 7-13.
33. Nahallage CAD, **Leca JB**, Huffman M. (2016). Stone handling, an object play behaviour in macaques: Welfare and neurological health implications of a bio-culturally driven tradition. *Behaviour*, 153(6-7), 845-869.
32. **Leca JB**, Gunst N*, Pelletier AN*, Vasey PL, Nahallage CAD, Watanabe K, Huffman MA. (2016). A multidisciplinary view on cultural primatology: Behavioral innovations and traditions in Japanese macaques. *Primates*, 57(3), 333-338.
31. **Leca JB**. (2015). Arbitrary cultural behavior patterns are not unique to humans [Invited commentary on Nakagawa et al.: Embracing in a wild group of Yakushima macaques (*Macaca fuscata yakui*) as an

- example of social customs]. *Current Anthropology*, 56(1), 112-113.
30. **Leca JB**, Gunst N*, Huffman MA, Vasey PL. (2015). Effect of female-biased sex ratios on female homosexual behavior in Japanese macaques: Evidence for the "bisexual preference hypothesis". *Archives of Sexual Behavior*, 44(8), 2125-2138.
 29. **Leca JB**, Gunst N*, Vasey PL. (2015). Comparative development of heterosexual and homosexual behaviors in free-ranging female Japanese macaques. *Archives of Sexual Behavior*, 44(5), 1215-1231.
 28. Gunst N*, **Leca JB**, Vasey PL. (2015). Influence of sexual competition and social context on homosexual behavior in adolescent female Japanese macaques. *American Journal of Primatology*, 77(5), 502-515.
 27. Ottenheimer Carrier L*, **Leca JB**, Pellis SM, Vasey PL. (2015). A structural comparison of female-male and female-female mounting in Japanese macaques (*Macaca fuscata*). *Behavioural Processes*, 119, 70-75.
 26. **Leca JB**, Gunst N*, Ottenheimer Carrier L*, Vasey PL. (2014). Inter-group variation in non-conceptive sexual activity in female Japanese macaques: could it be cultural? *Animal Behavior and Cognition*, 1(3), 387-409.
 25. **Leca JB**, Gunst N*, Vasey PL. (2014). Development of sexual behavior in free-ranging female Japanese macaques. *Developmental Psychobiology*, 56(6), 1199-1213.
 24. **Leca JB**, Gunst N*, Vasey PL. (2014). Male homosexual behavior in a free-ranging all-male group of Japanese macaques at Minoo, Japan. *Archives of Sexual Behavior*, 43(5), 853-861.
 23. Vasey PL, **Leca JB**, Gunst N*, VanderLaan DP. (2014). Female homosexual behavior and intersexual mate competition in Japanese macaques: Possible implications for sexual selection theory. *Neuroscience & Biobehavioral Reviews*, 46(4), 573-578.
 22. VanderLaan DP, Garfield ZH, Garfield MJ, **Leca JB**, Vasey PL, Hames RB. (2014). The "female fertility-social stratification-hypergyny" hypothesis of male homosexual preference: factual, conceptual and methodological errors in Barthes et al. [Commentary]. *Evolution & Human Behavior*, 35, 445-447.
 21. **Leca JB**, Gunst N, Rompis A, Soma G, Arta Putra IGA, Wandia IN. (2013). Population density and abundance of ebony leaf monkeys (*Trachypitecus auratus*) in West Bali National Park, Indonesia. *Primate Conservation*, 26, 133-144.
 20. Gunst N, **Leca JB**, Vasey PL. (2013). Development of sexual and socio-sexual behaviours in free-ranging juvenile male Japanese macaques, *Macaca fuscata*. *Behaviour*, 150(11), 1225-1254.
 19. **Leca JB**. (2012). Approche intégrée des comportements culturels: le cas de la manipulation de pierres chez le macaque japonais (*Macaca fuscata*) [Integrative approach to cultural behaviour: the case of stone handling in Japanese macaques (*Macaca fuscata*)]. *Techniques & Culture*, 57, 142-163 [in French].
 18. **Leca JB**, Gunst N, Huffman MA. (2011). Complexity in object manipulation by Japanese macaques (*Macaca fuscata*): a cross-sectional analysis of manual coordination in stone handling patterns. *Journal of Comparative Psychology*, 125(1), 61-71.
 17. **Leca JB**, Gunst N, Huffman MA. (2010). Principles and levels of laterality in unimanual and bimanual stone handling patterns by Japanese macaques. *Journal of Human Evolution*, 58(2), 155-165.
 16. **Leca JB**, Gunst N, Huffman MA. (2010). Indirect social influence in the maintenance of the stone handling tradition in Japanese macaques (*Macaca fuscata*). *Animal Behaviour*, 79(1), 117-126.
 15. **Leca JB**, Gunst N, Huffman MA. (2010). The first case of dental flossing by a Japanese macaque (*Macaca*

- fuscata*): implications for the determinants of behavioral innovation and the constraints on social transmission. *Primates*, 51(1), 13-22.
14. Gunst N, **Leca JB**, Boinski S, Fragaszy D. (2010). The ontogeny of handling hard-to-process food in wild brown capuchins (*Cebus apella apella*): evidence from foraging on the fruit of *Maximiliana maripa*. *American Journal of Primatology*, 72(11), 960-973.
 13. Huffman MA, Spiezio C, Sgaravatti A, **Leca JB**. (2010). Leaf swallowing behavior in chimpanzees (*Pan troglodytes*): biased learning and the emergence of group-level cultural differences. *Animal Cognition*, 13(6), 871-880.
 12. Petit O, Gautrais J, **Leca JB**, Théraulaz G, Deneubourg JL. (2009). Collective decision-making in white-faced capuchin monkeys. *Proceedings of the Royal Society B*, 276(1672), 3495-3503.
 11. **Leca JB**, Gunst N, Huffman MA. (2008). Of stones and monkeys: Testing ecological constraints on stone handling, a behavioral tradition in Japanese macaques. *American Journal of Physical Anthropology*, 135(2), 233-244.
 10. **Leca JB**, Gunst N, Huffman MA. (2008). Food provisioning and stone handling tradition in Japanese macaques: a comparative study of ten troops. *American Journal of Primatology*, 70(8), 803-813.
 9. **Leca JB**, Nahallage C, Gunst N, Huffman MA. (2008). Stone-throwing by Japanese macaques: form and functional aspects of a group-specific behavioral tradition. *Journal of Human Evolution*, 55(6), 989-998.
 8. Huffman MA, Nahallage C, **Leca JB**. (2008). Cultured monkeys, social learning cast in stones. *Current Directions in Psychological Science*, 17(6), 410-414.
 7. **Leca JB**, Gunst N, Petit O. (2007). Social aspects of fur rubbing in *Cebus capucinus* and *C. apella*. *International Journal of Primatology*, 28(4), 801-817.
 6. **Leca JB**, Gunst N, Huffman MA. (2007). Japanese macaque cultures: Inter- and intra-troop behavioural variability of stone handling patterns across 10 troops. *Behaviour*, 144(3), 251-281.
 5. **Leca JB**, Gunst N, Huffman MA. (2007). Age-related differences in the performance, diffusion, and maintenance of stone handling, a behavioral tradition in Japanese macaques. *Journal of Human Evolution*, 53(6), 691-708.
 4. **Leca JB**, Gunst N, Watanabe K, Huffman MA. (2007). A new case of fish-eating in Japanese macaques: Implications for social constraints on the diffusion of feeding innovation. *American Journal of Primatology*, 69(7), 821-828.
 3. Meunier H, **Leca JB**, Deneubourg JL, Petit O. (2006). Group movement decisions in capuchin monkeys: The utility of an experimental study and a mathematical model to explore the relationship between individual and collective behaviours. *Behaviour*, 143(12), 1511-1527.
 2. **Leca JB**, Gunst N, Thierry B, Petit O. (2003). Distributed leadership in semi-free ranging white-faced capuchin monkeys. *Animal Behaviour*, 66(6), 1045-1052.
 1. **Leca JB**, Fornasieri I, Petit O. (2002). Aggression and reconciliation in *Cebus capucinus*. *International Journal of Primatology*, 23(5), 979-998.

Manuscripts in review (*: Leca lab's members)

5. Bourgeois-Gironde S, Brosnan S, Beran M, Addessi A, **Leca JB**. Are the roots of human economic systems present in non-human primates? (In review). *Behavioral and Brain Sciences*.
4. Cenni C*, Casarrubea M, Gunst N*, Vasey PL, Pellis SM, Wandia IN, **Leca JB**. (In review). Inferring tool use

behavior patterns from the temporal structure of object play sequences in a non-human primate species. *Journal of Neuroscience Methods* (Special Issue: "T-Pattern Analysis").

3. Gunst N*, Vasey PL, Casarrubea M, **Leca JB**. (In review). Is female-male mounting functional? An analysis of the temporal patterns of sexual behaviors in Japanese macaques. *Journal of Neuroscience Methods* (Special Issue: "T-Pattern Analysis").
2. Brotcorne F*, Holzner A*, Jorge-Sales L*, Gunst N*, Wandia IN, **Leca JB**. (In review). Social influence on the expression of robbing and bartering behaviours in Balinese long-tailed macaques. *Animal Cognition*.
1. Cenni C*, **Leca JB**. (In review). Tool use. In: J. Vonk & T.K. Shakelford (eds). *Encyclopedia of Animal Cognition and Behavior*. Springer International Publishing Switzerland.

Book chapters and non-refereed reports (*: Leca lab's members)

11. **Leca JB**, Vasey PL. (2016). The homosexuality paradox: Cross-species comparative evidence. In: T.K. Shakelford & V.A. Weekes-Shakelford (eds). *Encyclopedia of Evolutionary Psychological Science*. Springer International Publishing Switzerland. DOI 10.1007/978-3-319-16999-6_47-1.
10. **Leca JB**. (2015). How to capture what we really are? Core methodological issues in personality research. In: J. R. Vokey & S. W. Allen (eds). *Psychological Sketches (The "What If?" Edition)*. PsΨence™ Publishing Society, Department of Psychology, The University of Lethbridge, pp. 153-163.
9. **Leca JB**. (2015). How and why do human and nonhuman cumulative cultures differ? In: J. R. Vokey & S. W. Allen (eds). *Psychological Sketches (The "What If?" Edition)*. PsΨence™ Publishing Society, Department of Psychology, The University of Lethbridge, pp. 137-151.
8. **Leca JB**. (2015). Non-conceptive sexuality in Japanese macaques: Developmental, physiological, and cultural/genetic approaches. Final Research Report submitted to the *Trustees of The Leakey Foundation*, San Francisco, CA, USA.
7. **Leca JB**, Gunst N*, Vasey PL. (2014). Demographic estimation of the mona monkeys in Grenada: Explanations for the population decline and recommendations for conservation measures. Report submitted to the Department of Forestry, Ministry of Environment, and Ministry of Tourism, St George's, Grenada.
6. **Leca JB**. (2012). Dental flossing behaviour as a grooming-related innovation by a Japanese macaque. In: **J.-B. Leca**, M.A. Huffman & P.L. Vasey (eds). *The Monkeys of Stormy Mountain: 60 Years of Primatological Research on the Japanese Macaques of Arashiyama*. Cambridge University Press, Cambridge, pp. 322-330.
5. **Leca JB**, Gunst N, Huffman MA. (2012). Thirty years of stone handling tradition in Arashiyama-Kyoto macaques: implications for cumulative culture and tool use in non-human primates. In: **J.-B. Leca**, M.A. Huffman & P.L. Vasey (eds). *The Monkeys of Stormy Mountain: 60 Years of Primatological Research on the Japanese Macaques of Arashiyama*. Cambridge University Press, Cambridge, pp. 223-257.
4. Huffman MA, Fedigan LM, Vasey PL, **Leca JB**. (2012). A brief historical time-line of research on the Arashiyama macaques. In: **J.-B. Leca**, M.A. Huffman & P.L. Vasey (eds). *The Monkeys of Stormy Mountain: 60 Years of Primatological Research on the Japanese Macaques of Arashiyama*. Cambridge University Press, Cambridge, pp. 13-27.
3. Gunst N, **Leca JB**. (2011). Census, socio-ecology, and population genetics of ebony leaf-eating monkeys (*Trachypithecus auratus*) in Bali: implications for the species' conservation status in Indonesia. Online Scientific Report to the Rufford Small Grants Foundation for Nature Conservation: http://www.rufford.org/rsg/projects/noelle_gunst

2. Huffman MA, **Leca JB**, Nahallage CAD. (2010). Cultured Japanese macaques: A multidisciplinary approach to stone handling behavior and its implications for the evolution of behavioral tradition in nonhuman primates. In: N. Nakagawa, M. Nakamichi & H. Sugiura (eds). *The Japanese Macaques*. Springer, Tokyo, pp. 191-219.
1. **Leca JB**, Gunst N. (2000). Quand les capucins s’amusent: comportements stéréotypiques et enrichissement environnemental en zoo [When capuchins have fun: stereotypic behaviors and environmental enrichment in the captive settings of a zoo]. *ZooMulhouse* 28: 6-7 [in French].

CONFERENCE PRESENTATIONS AND PUBLISHED ABSTRACTS

Oral presentations as invited speaker (*: Leca lab’s members)

15. **Leca JB**. (2018). Human and animal cultures: Some similarities and differences. *Modern Languages Speaker Series*, University of Lethbridge, Canada.
14. **Leca JB**. (2018). Object/food bartering: A culturally-maintained token economy in free-ranging long-tailed macaques. *International Workshop: Economic Behaviors in Non-Human Primates*, Florence, Italy.
13. Vasey PL, **Leca JB**, Gunst N*. (2017). A Kinsey scale for monkeys? *Kinsey Institute*, University of Indiana, Bloomington, Indiana, USA.
12. **Leca JB**, Gunst N*, Vasey PL. (2015). The hows and whys of non-conceptive sex in Japanese macaques. *Annual meeting of the International Academy of Sex Research*, Toronto, Ontario, Canada. [Invited Plenary Speaker]
11. **Leca JB**, Gunst N*, Vasey PL. (2015). Female bisexual behavior of Japanese macaques: A Kinsey scale for monkeys? *Puzzle of Sexual Orientation Meeting*, University of Lethbridge, Canada.
10. **Leca JB**. (2015). The hows and whys of intergroup variation in non-adaptive behaviours. *Summer Speaker Series at the Canadian Centre for Behavioural Neuroscience*, University of Lethbridge, Canada. Invitation: R.J. Belog.
9. **Leca JB**. (2015). Cultured monkeys. *Arts & Science Council meeting*, University of Lethbridge, Canada. Invitation: Dr. C. Cooper.
8. **Leca JB**. (2014). Arbitrary cultural behaviour patterns in macaques (ontogeny, mechanism, function, and phylogeny). *Department of Psychology Colloquium*, University of Lethbridge, Canada. Invitation: Dr. J. Sadr.
7. **Leca JB**. (2012). Object play as a cultural behavior in monkeys: The case of the stone handling tradition in Japanese macaques. *Summer Speaker Series at the Canadian Centre for Behavioural Neuroscience*, University of Lethbridge, Canada. Invitation: Dr. E. Zelinski.
6. **Leca JB**. (2012). Inter-group variation, social transmission, and maintenance of non-adaptive traditions in primates: The case of stone handling behaviour in Japanese macaques. *Visiting Speakers in Primatology Series*, Department of Anthropology, University of Calgary, Canada. Invitation: Dr. L.M. Fedigan.
5. **Leca JB**, Gunst N, Shimizu K, Toyoda A, Chalmers A, Asaba S, Tamada S, Mallard R, Vasey PL. (2012). Heterosexual and homosexual behaviour among female Japanese macaques at Arashiyama, Japan: Patterns of bisexuality over a seventeen-year period. *Annual Meeting of the Canadian Sex Research Forum, Symposium “Comparative research on same-sex sexuality”*, Ottawa, Canada. Invitation: Dr. D.P. VanderLaan.
4. **Leca JB**. (2011). Inter-group variation, social transmission, and maintenance of non-adaptive traditions in non-human primates: The case of stone handling behaviour in Japanese macaques

(*Macaca fuscata*). Department of Psychology Colloquium, University of Lethbridge, Canada. Invitation: Dr. P. L. Vasey.

3. **Leca JB**, Gunst N, Nahallage C, Huffman MA. (2008). Stone handling in Japanese macaques: different approaches to an exaptive behavioral tradition. *Primatological Seminars*, Udayana University's Primate Research Center, Denpasar, Bali, Indonesia. Invitation: Dr. A. Rompis.
2. **Leca JB**, Huffman MA. (2008). Thirty years of stone handling tradition in Japanese macaques at Arashiyama: implications for stone-tool use evolution. *Annual Meeting of the Human Behavior and Evolution Society, Symposium "Half a century of research on the behavior and evolution of the Arashiyama macaques"*, Kyoto, Japan. Invitation: Dr. P.L. Vasey.
1. **Leca JB**, Gunst N, Nahallage C, Huffman MA. (2007). Stone handling as a behavioral tradition in Japanese macaques: Charting inter- and intra-group diversity and investigating ecological and socio-demographic contexts of transmission. *Annual Meeting of the American Society of Primatology, Symposium "Socially-mediated learning in groups of primates: Models and Methods"*, Winston-Salem, North Carolina, USA. Invitation: Dr. D.M. Fragaszy. *American Journal of Primatology*, 69, 77 (Abstract).

Other oral presentations (*: Leca lab's members)

31. Chertoff S*, Harkness K*, Wandia IN, Foroud A*, **Leca JB**. (2019). Object manipulation as an expression of change in environmental stressors in long-tailed macaques and children. *13th Annual Meeting of the Minds – Multidisciplinary Research Conference*, University of Lethbridge, Canada.
30. Cenni C*, Wright CI*, Gunst N*, Wandia IN, **Leca JB**. (2019). Consistent sex differences in stone play and stone tool use in free-ranging Balinese long-tailed macaques. *88th Annual Meeting of American Association of Physical Anthropologists*, Cleveland, OH, USA.
29. Cenni C*, Wright CI*, Gunst N*, Vasey PL, **Leca JB**. (2018). Do male Balinese macaques use stones as sex toys to engage in tool-assisted masturbation? *4th Northeastern Evolutionary Primatology Meeting*, Canisius College, Buffalo, NY, USA.
28. Cenni C*, Mohak S*, Furby C*, Gunst N*, Vasey PL, **Leca JB**. (2018). Do Balinese monkeys use stones as sex toys? *12th Annual Meeting of the Minds – Multidisciplinary Research Conference*, University of Lethbridge, Canada.
27. Brotcorne F*, Holzner A*, Jorge Sales L*, Cambier C, Gunst N*, Wandia IN, **Leca JB**. (2017). Response facilitation in the robbing and bartering activities of Balinese long-tailed macaques. *European Federation for Primatology Meeting*, Strasbourg, France. *Folia Primatologica*, 88, 133 (Abstract).
26. Pelletier AN*, Sita S*, Neugebauer E*, Gunst N*, Pellis SM, **Leca JB**. (2017). Comparative analysis of two object manipulation activities in Balinese long-tailed macaques. *Animal Behavior Society – 54th Annual Conference*, University of Toronto Scarborough, Canada.
25. Kaufmann T*, Pelletier AN*, Sita S*, Neugebauer E*, Gunst N*, Vasey PL, **Leca JB**. (2017). Testing the "sex toy" hypothesis in Balinese monkeys playing with stones. *11th Annual Meeting of the Minds – Multidisciplinary Research Conference*, University of Lethbridge, Canada.
24. Pelletier AN*, Kaufmann T*, Sita S*, Neugebauer E*, Gunst N*, Pellis SM, **Leca JB**. (2017). Comparative analysis of two object manipulation activities in Balinese long-tailed macaques. *11th Annual Meeting of the Minds – Multidisciplinary Research Conference*, University of Lethbridge, Canada.
23. **Leca JB**, Brotcorne F*, Gunst N*, Holzner A*, Pelletier AN*, Nahallage CAD, Huffman MA, Rompis A, Wandia IN. (2016). Two forms of material culture in Balinese long-tailed macaques: the stone handling and token exchange traditions. *Joint meeting of the International Primatological Society and the American Society of Primatologists*, Chicago, IL, USA.

22. Gunst N*, **Leca JB**, Vasey PL. (2016). Female mounting behavior in Japanese macaques (*Macaca fuscata*): a non-conceptive sexual culture? *Joint meeting of the International Primatological Society and the American Society of Primatologists*, Chicago, IL, USA.
21. Huffman MA, Nahallage CAD, **Leca JB**. (2016). What is macaque about Lomekwian stone tool use? The role of predispositions and ecological opportunities for the emergence of stone tool use. *Primate Archaeology Workshop*, Oxford University School of Archaeology, Oxford, UK.
20. Brotcorne F*, **Leca JB**, Gunst N*, Wandia IN, Fuentes A, Huynen MC. (2015). Monkey business: Inter-group differences in the object/food bartering practice in Balinese macaques (*Macaca fascicularis*) at the Uluwatu Temple, Indonesia. *European Federation for Primatology Meeting*, Roma, Italy. *Folia Primatologica*, 86, 251 (Abstract).
19. Vasey PL, **Leca JB**, Gunst N*. (2015). Female homosexual behaviour in Japanese macaques: current research developments. Department of Biology, Boston University, USA.
18. **Leca JB**, Gunst N*, Ottenheimer Carrier L*, Vasey PL. (2014). Inter-group variation in non-conceptive sexual activity in female Japanese macaques: Could it be cultural? *Biennial Meeting of the International Society for Comparative Psychology*, Bogotá, Colombia.
17. **Leca JB**, Gunst N, Vasey PL. (2013). Long-term trends in female bisexual behavior of Japanese macaques: A Kinsey scale for monkeys? *Annual meeting of the International Academy of Sex Research*, Chicago, Illinois, USA.
16. **Leca JB**, Gunst N, Shimizu K, Toyoda A, Chalmers A, Asaba S, Tamada S, Mallard R, Vasey PL. (2012). Bisexual monkeys: Long-term trends in heterosexual and homosexual behaviors in female Japanese macaques. *Annual Meeting of the Human Behavior and Evolution Society*, Albuquerque, New Mexico, USA.
15. **Leca JB**. (2010). The Japanese macaques of Arashiyama: Demographic studies, behavioral research and management efforts. *Congress of the International Primatological Society*, Kyoto, Japan. *Reichorui Kenkyu/Primate Research*, 26, 67 (Abstract).
14. **Leca JB**, Gunst N, Huffman MA. (2010). Thirty years of stone handling tradition in Japanese macaques: Implications for cumulative culture and stone-tool use evolution. *Congress of the International Primatological Society*, Kyoto, Japan. *Reichorui Kenkyu/Primate Research*, 26, 71 (Abstract).
13. **Leca JB**, Gunst N, Huffman MA. (2009). Determinants of behavioral innovations and constraints on their diffusion and maintenance in Japanese macaques. *Annual Meeting of Primate Society of Japan*, Gifu, Japan. *Reichorui Kenkyu/Primate Research*, 25, 14-15 (Abstract).
12. **Leca JB**, Gunst N, Nahallage C, Huffman MA. (2008). Stone handling in Japanese macaques: An exaptive traditional behavior? *Congress of the International Primatological Society*, Edinburgh, Scotland. *Primate Eye*, 96, #689 (Abstract).
11. **Leca JB**, Huffman MA. (2008). Comparative and longitudinal approaches in cultural primatology: the case of stone handling behavior in Japanese macaques. *Annual Meeting of Primate Society of Japan*, Tokyo, Japan. *Reichorui Kenkyu/Primate Research*, 24, 11 (Abstract).
10. **Leca JB**, Gunst N, Nahallage C, Huffman MA. (2006). Stone handling in Japanese macaques: A 10-troop comparative study about a behavioral tradition. *Annual Meeting of the American Society of Primatology*, San Antonio, Texas, USA. *American Journal of Primatology*, 68, 110-111 (Abstract).
9. Huffman MA, **Leca JB**, Gunst N, Nahallage C. (2005). Stone handling as a behavioral tradition: A comparative study in 10 troops of Japanese macaques (*Macaca fuscata*). *St. Andrews International Conference on Animal Social Learning*, St. Andrews, Scotland.

8. Huffman MA, **Leca JB**, Gunst N, Nahallage C. (2005). Stone-handling, behavior in Japanese macaques, a multiple site comparative study. *Cultural Conference 2005*, Leipzig, Germany.
7. **Leca JB**, Gunst N, Nahallage C, Huffman MA. (2004). Stone handling as a behavioral tradition: A comparative study in nine troops of Japanese macaques (*Macaca fuscata*). *Annual Meeting of Primate Society of Japan*, Inuyama, Japan. *Reichorui Kenkyu/Primate Research*, 20 (suppl.), 25 (Abstract).
6. **Leca JB**, Gunst N, Thierry B, Petit O. (2002). Group movement and decision-making process in semi-free ranging white-faced capuchins: Effects of social, behavioral and spatiotemporal variables. *European Conference on Behavioural Biology, Symposium « collective movements »*, Münster, Germany.
5. **Leca JB**, Gunst N, Petit O. (2002). Use of fruit in fur rubbing by white-faced capuchins: Behavioral processes and social function or medicinal plant use? *Co-Meeting of the Society of Ecophysiology and the French-Speaking Society of Primatology*, Strasbourg, France.
4. **Leca JB**, Petit O. (2001). Aggression and reconciliation in white-faced capuchins (*Cebus capucinus*). *Annual Meeting of the French-Speaking Society of Primatology*, Rennes, France.
3. Petit O, **Leca JB**, Thierry B. (2001). Group movement in semi-free ranging white-faced capuchins (*Cebus capucinus*). *Annual Meeting of the French-Speaking Society of Primatology*, Rennes, France.
2. **Leca JB**, Gunst N, Théraulaz G, Petit O, Thierry B. (2000). Group movement in semi-free ranging white-faced capuchins. *Annual Meeting of the French Society of Animal Behavior Study*, Lyon, France.
1. **Leca JB**, Fornasieri I, Petit O. (1999). Agonistic and post-conflict interactions in white-faced capuchins, *Cebus capucinus*. *Annual Meeting of the French Society of Animal Behavior Study*, Nice, France.

Poster presentations (*: Leca lab's members)

17. Chertoff S*, Harkness K*, Wandia IN, Foroud A*, **Leca JB**. (2019). When is object manipulation an expression of psychological disturbance caused by environmental stressors? A macaque-human comparison. *88th Annual Meeting of American Association of Physical Anthropologists*, Cleveland, OH, USA.
16. Cenni C*, Wright CI*, Casarrubea M, Gunst N*, Vasey PL, **Leca JB**. (2018). Are stones being used as sex toys by Balinese macaques? *Association for the Study of Animal Behaviour Winter Meeting*, Zoological Society of London, London, UK.
15. Cenni C*, Wright CI*, Casarrubea M, Gunst N*, Vasey PL, **Leca JB**. (2018). Were stones our ancestral sex toys? Tool-assisted genital stimulation in free-ranging Balinese macaques. *Primate Society of Great Britain Winter Meeting*, Bristol Zoological Society, Bristol, UK.
14. Chertoff S*, **Leca JB**, Foroud A*. (2018). Were stones our ancestral fidget spinners? A macaque-human comparison of fidgeting. *4th Northeastern Evolutionary Primatology Meeting*, Canisius College, Buffalo, NY, USA.
13. Pelletier AN*, Sita S*, Neugebauer E*, Wandia IN, Gunst N*, Pellis SM, **Leca JB**. (2017). Structural differences in pounding actions performed by Balinese long-tailed macaques. *Community University Research Exchange (CURE)*, University of Lethbridge, Canada.
12. Vomberg L*, **Leca JB**. (2017). Personality and degree of religiosity in Judaism in a North American population sample. *Undergraduate Research Showcase*, University of Lethbridge, Canada.
11. Vomberg L*, **Leca JB**. (2017). Personality and degree of religiosity in Judaism in a North American population sample. *11th Annual Meeting of the Minds – Multidisciplinary Research Conference*,

University of Lethbridge, Canada.

10. Davis E*, Mather J, **Leca JB**. (2017). Wellness within the Bhutanese Community of Lethbridge, Alberta. *Community University Research Exchange (CURE)*, University of Lethbridge, Canada.
9. Pelletier AN*, Huffman MA, Nahallage CAD, Gunst N*, **Leca JB**. (2016). Comparing stone play in two macaque species. *10th Annual Meeting of the Minds – Multidisciplinary Research Conference*, University of Lethbridge, Canada.
8. Pelletier AN*, Huffman MA, Nahallage CAD, Gunst N*, **Leca JB**. (2016). Comparing stone play in two macaque species. *2016 Prairie University Biology Symposium*, University of Lethbridge, Canada.
7. Gunst N*, **Leca JB**, Vasey PL. (2015). Male-bonded dyads in the mona monkeys of Grenada, West Indies: Potential for male bisexual behaviour in primates? *Puzzle of Sexual Orientation Meeting*, University of Lethbridge, Canada.
6. **Leca JB**, Gunst N, Vasey PL. (2013). Comparative development of heterosexual and homosexual behaviors in adolescent female Japanese macaques. *Annual meeting of the International Academy of Sex Research*, Chicago, Illinois, USA.
5. Ottenheimer Carrier L, Pellis SM, **Leca JB**, Gunst N, Vasey, PL. (2013). Homosexual and heterosexual mounting in female Japanese macaques: A preliminary postural analysis. *Annual meeting of the International Academy of Sex Research*, Chicago, Illinois, USA.
4. Toyoda A, Gunst N, **Leca JB**, Ishiguro R, Vasey PL, Shimizu K. (2012). Reproductive hormones and sexual behavior in aged Japanese macaques. *5th Meeting of Asian Society of Zoo and Wildlife Medicine*, Bangkok, Thailand.
3. Toyoda A, Gunst N, **Leca JB**, Ishiguro R, Vasey PL, Shimizu K. (2012). Sex hormones and mating behavior in aged Japanese macaques. *Annual Meeting of Primate Society of Japan*, Nagoya, Japan. [Reichorui Kenkyu/Primate Research](#) 28: 17 (Abstract).
2. Huffman MA, **Leca JB**, Nahallage C. (2009). Cultured Japanese macaques: a multi-disciplinary approach to stone handling behavior and its implications for the evolution of behavioral traditions in non-human primates. *International Congress on the Future of Animal Research: Biomedical and Field Research with Nonhuman Primates*, Nakhon Patham, Thailand.
1. Gunst N, **Leca JB**, Daki N, Petit O. (2002). Use of fruit in fur rubbing by white-faced capuchins: behavioral processes and social function or medicinal plant use? *First European Conference on Behavioural Biology*, Münster, Germany.

RESEARCH EXPERIENCE AND SCIENTIFIC COLLABORATIONS

- | | |
|--------------|---|
| 2015-present | Principal Investigator: The hows and whys of non-adaptive cultural behaviors in macaques . Department of Psychology, University of Lethbridge, Canada. |
| 2014-present | Co-investigator: Male bisexual behaviour in all-male and mixed-sex groups of mona monkeys (<i>Cercopithecus mona</i>) in Grenada, West Indies . Department of Psychology, University of Lethbridge, Canada (collaborators: Drs. P. L. Vasey and N. Gunst). |
| 2010-present | Co-investigator: Sexual behaviour, mate choice, and sex hormones in Japanese macaques (<i>Macaca fuscata</i>) . Department of Psychology, University of Lethbridge, Canada (collaborators: Dr. P. L. Vasey and Dr. N. Gunst). |
| 2010 | Visiting Researcher: Object manipulation in free-ranging Balinese long-tailed macaques (<i>Macaca fascicularis</i>); Census and geographic distribution of ebony leaf monkeys |

- (*Trachypithecus auratus*) in West Bali National Park.** Primate Research Center, Udayana University, Jimbaran, Bali, Indonesia (Host Researcher: Dr. N. Wandia).
- 2007-2009 Post-doctoral Fellow: **Behavioral innovation and traditions in Japanese macaques: Social learning and socio-ecological factors.** Primate Research Institute, Kyoto University, Inuyama, Japan (Post-doctoral Advisor: Dr. M. A. Huffman).
- 2006 Research Associate: **Leadership and group decision in white-faced capuchin monkeys (*Cebus capucinus*).** Département d'Ecologie, Physiologie et Ethologie, Institut Pluridisciplinaire Hubert-Curien, Strasbourg, France (Advisors: Drs. B. Thierry and O. Petit).
- 2003-2005 Post-doctoral Fellow: **Behavioral innovation and traditions in Japanese macaques: Ethnographic approach and demographic factors.** Primate Research Institute, Kyoto University, Inuyama, Japan (Post-doctoral Advisor: Dr. M. A. Huffman).
- 1998-2002 Ph.D. Dissertation: **Dominance, social negotiation and decision making process in white-faced capuchins.** Department of Ecology, Physiology and Ethology, University Louis Pasteur, Strasbourg, France (Co-supervisors: Drs. B. Thierry and O. Petit).
- 2001 & 2003 Field assistant: **Ecology and cognition: foraging behavior in wild brown capuchins (*Cebus apella*).** Raleighvallen Nature Reserve, Suriname (Supervisor: Dr. S. Boinski).
- 1999 Research assistant: **Quantitative evaluation and cartography of ribbed Mediterranean limpet (*Patella ferruginea*, *Mollusca*) in marine areas polluted by hydrocarbons in Lavezzi island.** International Marine Park, Corsica, France (Advisor: Dr. G.-F. Frisoni).
- 1999 Research assistant: **Environmental enrichment in captive yellow-breasted capuchins (*Cebus xanthosternos*): Introduction of foraging apparatuses to reduce stereotypic behaviors.** Zoological garden of Mulhouse, France (Advisor: Dr. P. Moisson).
- 1998 Field assistant: **Influence of age and individual quality on reproduction strategies in blackbird (*Turdus merula*).** Laboratory of Ecology, University of Dijon, France (Supervisor: Dr. F. Cézilly).
- 1996-1998 Master's thesis: **Agonistic and post-conflict behaviors in white-faced capuchins.** Department of Ecology, Physiology and Ethology, University Louis Pasteur, Strasbourg, France (Co-Advisors: Drs. O. Petit and I. Fornasieri).
- 1995 Research assistant: **Opiates and analgesia in rats (*Rattus norvegicus*): Evaluation of the tail-flick procedure.** Laboratory of Psychobiology of Adaptive Behaviors, University of Bordeaux, France (Supervisor: Dr. G. Laulin).
- 1994 Research assistant: **Ethopharmacological analysis of the acquisition of opiate withdrawal-induced conditioned place aversion in rats.** Laboratory of Psychobiology of Adaptive Behaviors, University of Bordeaux, France (Supervisor: Dr. L. Stinus).

TEACHING EXPERIENCE

Posts/Courses

- 2014-present **Assistant/Associate Professor**, Department of Psychology, University of Lethbridge, Canada
- Courses:
- *Cultural Organisms* (PSYC 4000-level Seminar course)
 - *Human and Animal Interactions* (PSYC 3000-level Lecture course)

- *Animal and Human Personalities* (PSYC 3000-level Lecture course)
- *Social Learning and Culture* (PSYC 3000-level Lecture course)
- *Psychobiology of Religious Behaviour* (PSYC 3000-level Lecture course)
- *The need for a cross-cultural approach* (guest lecture in *Social Learning and Culture*, PSYC 3000-level Lecture course)
- *Social learning and cultural behaviors in humans, other primates and other animals* (guest lecture in *Primates in Perspective*, PSYC 3000-level Lecture course, by Dr. Noëlle Gunst)
- *A Tinbergian approach to religious behaviour* (guest lecture in *Studying Religion as an Academic Discipline*, RELS 2000-level Lecture course, by Dr. James Linville)
- *How and Why Do Human and Nonhuman Cumulative Cultures Differ?* (PSYC 1000-level Lecture course)
- *How to Capture What We Really Are? Core Methodological Issues in Personality Research* (PSYC 1000-level Lecture course)

2011-2014 **Sessional Lecturer**, Department of Psychology, University of Lethbridge, Canada
Courses:

- *Introduction to Primatology* (PSYC 2000-level Lecture course)
- *Primate Lives and Human Cognitive Evolution* (PSYC 3000-level Lecture course)
- *Primate Social Learning and Culture* (PSYC 4000-level Seminar course)

1998-2002 **Instructor**, Department of Ecology, Physiology and Ethology, University Louis Pasteur, Strasbourg, France

Courses:

- *Primate Ethology* (Lecture course)
- *Ethology* (Laboratory course)
- *Introductory Course in Ethology and Behavioural Ecology* (Laboratory course)
- *Methodology in Animal Behaviour Studies* (Laboratory course)
- *Evolution of Reproductive and Social Behaviours* (Lecture and laboratory course)
- *Primate Cognition* (Lecture and laboratory course)
- *Introduction to Primate Studies: Psychology, Anthropology, Behavioural Ecology, Biomedical Research, and Conservation Issues* (Lecture course)
- *Neurophysiology* (Lecture and laboratory course)
- *Developmental Biology and Elementary Embryology* (Laboratory course)

Audience

Undergraduate and graduate students in Psychology
Veterinarians and laboratory technicians in continuing education

Other instructional experience

- 2014 **Field Class Instructor** in Grand Etang National Park: “The mona monkeys of Grenada”, Elementary School, Grenville, Grenada.
- 2008 **Invited Lecturer** (talk and practical work): *Stone handling in Japanese macaques: Different approaches to studying a behavioral tradition* (in English): Science Dialogue Program/JSPS, Yoshida High School, Yamanashi Pref., Japan.
http://www.jsps.go.jp/english/e-plaza/e-sdialogue/2008d/1206_yoshida.html
- 2006-2007 **Tutorship for one undergraduate student**, University of Georgia, Athens, USA: French/English language program.
- 2000-2001 **Tutorship for 8 first year-students**, University Louis Pasteur, Strasbourg, France:
- *Vocational Project* (Lecture and laboratory class)
 - *Work Methodology at University* (Lecture and laboratory class).

SUPERVISORY EXPERIENCE

High Quality Personnel (HQP) training and student supervision (*: co-supervision)

Research Associate (2015-present), Department of Psychology, University of Lethbridge: Noëlle Gunst, Ph.D., “The hows and whys of non-adaptive cultural behaviors in macaques”, supported by my NSERC – Discovery Grant.

Post-Doctoral Fellow* (2019-2021), Department of Psychology, University of Lethbridge: Arijit Pal, Ph.D., “Affordance learning: From object play to tool use?”, funded by a General Grant from the Leakey Foundation (co-supervision with Dr. A. Sinha).

Post-Doctoral Fellow (2015-2016), Department of Psychology, University of Lethbridge: Fany Brotcorne, Ph.D., “Object/food bartering as a traditional token economy in Balinese long-tailed macaques”, funded by my Start-Up Allowance from the Dean’s Office of the Faculty of Arts and Science.

Ph.D. candidate (2018-present), Department of Psychology, University of Lethbridge: Camilla Cenni, “Motivational underpinnings of object play and tool use in macaques”, supported by my NSERC – Discovery Grant.

M.Sc. candidate* (2018-present), Department of Psychology, University of Lethbridge: Sydney Chertoff, “Psychology of fidgeting behaviors and other highly repetitive object-directed actions in macaques and children”, supported by my NSERC – Discovery Grant (co-supervision with Dr. A. Foroud).

M.Sc. degree (2016-2017), Department of Psychology, University of Lethbridge: Amanda Pelletier, “What can behavioural structure tell us about motivation? Insights from object play and foraging in Balinese long-tailed macaques”, supported by my NSERC – Discovery Grant.

M.Sc. degree* (2013-2015), Department of Psychology, University of Lethbridge: Lydia Ottenheimer Carrier, M.Sc., “Female mounting in Japanese macaques: Proximate and ultimate perspectives on non-conceptive sex” (co-supervision with Dr. P. L. Vasey).

Graduate Research Assistants (2015-present), Department of Psychology, University of Lethbridge, partly supported by my NSERC – Discovery Grant, and my Start-Up Allowance from the Dean’s Office of the Faculty of Arts and Science:

- Matthew Gardiner, M.Sc., “Development of an ecologically valid non-Human primate model of gambling” (Jul. – Dec. 2019).
- Caleb Bunselmeyer, B.Sc., “Development of an ecologically valid non-Human primate model of gambling” (Jul. – Dec. 2019).
- Christian Dunn, B.A., “Development of an ecologically valid non-Human primate model of gambling” (Jul. – Dec. 2019).
- Nalina Aiempichitkijkarn, M.Sc., “Robbing and bartering behaviors in Balinese long-tailed macaques” (Jul. – Sept. 2019).
- Bess Christie, M.Sc., “Object play and tool use in Balinese long-tailed macaques” (Apr. – Aug. 2019).
- Danielle Van der Pant, B.Sc., “Object play and tool use in Balinese long-tailed macaques” (Apr. – Aug. 2019).
- Sydney Chertoff, B.Sc., “Behavioral structure and motivational processes of object play in Balinese long-tailed macaques” (Apr. – Aug. 2018).
- Chloë Wright, M.Sc., “Stone handling as a precursor to stone tool use in Balinese long-tailed macaques” (Apr. – Aug. 2018).
- Jamie Schnell, B.Sc., “Tap on groin behavior as a form tool-assisted genital stimulation in Balinese long-tailed macaques” (Sept. 2017).
- Lilah Sciaky, B.A., “Response facilitation of stone handling behavior in Balinese long-tailed macaques” (Apr. – Aug. 2017).
- Tatjana Kaufmann, M.Sc., “Object play, complex foraging and tool use in Balinese macaques: a developmental and structural approach” (Jan. – Apr. 2017).
- Daniela Rodrigues, M.Sc., “Comparative structural analysis of stone handling and nut handling

- behaviors in Balinese long-tailed macaques" (Oct. 2016).
- Molly Gilmour, M.Sc. candidate, "Comparative structural analysis of stone handling and nut handling behaviors in Balinese long-tailed macaques" (Oct. 2016).
- Montana Hull, M.Sc., "Social and personality correlates of object manipulation in Balinese long-tailed macaques" (Sept. 2016).
- Silvana Sita, M.Sc., "Proximate and ultimate causes of material culture in Balinese long-tailed macaques (stone handling, extractive foraging, tool use)" (Apr. – Oct. 2016).
- Elenora Neugebauer, M.Sc. candidate, "From stone handling to stone tool use cultures in Balinese long-tailed macaques" (Apr. – Aug. 2016).
- Lucía Jorge Sales, M.Sc., "Social and personality correlates of the object/food bartering practice in Balinese long-tailed macaques" (Apr. – Aug. 2016).
- Anna Holzner, M.Sc., "Object/food bartering as a traditional token economy in Balinese long-tailed macaques" (Sept. 2015 – Apr. 2016)

Undergraduate Research Assistants (1999-present)

- Primate Centre, Udayana University, Bali, Indonesia (Riris Manullang, Betta Tarigan).
- Primate Research Institute, Kyoto University, Japan (Natasha Toworski, Aru Toyoda).
- Primate Centre, University Louis Pasteur, France (Nadia Daki, H  l  ne Meunier).

Undergraduate Honours Thesis, Department of Psychology, University of Lethbridge:

- Erin Davis, "A study of wellness within the Bhutanese community of Lethbridge" (co-supervisor: Dr. Jennifer Mather, 2016).
- Aysu Calik, "Psychometrics of sexual aversion" (Thesis Reader, supervisor: Dr. Paul Vasey, 2019).
- Nathan Grigg, "The importance of olfaction in New World vultures: a comparative neuroanatomical study" (Thesis Reader; supervisor: Dr. Andrew Iwaniuk, 2015-2016).

Independent Study students, Department of Psychology, University of Lethbridge:

2019

- Casey Bannister: Courtney Derksen: "Social cognition in monkeys via video analysis of behavior" (co-supervised by Dr. No  lle Gunst)
- Graham Bowden: "Primate personality and economic behavior" (co-supervised by Dr. No  lle Gunst)
- Graham Bowden: "Social cognition in monkeys via video analysis of behavior" (co-supervised by Dr. No  lle Gunst)
- Courtney Derksen: "Social cognition in monkeys via video analysis of behavior" (co-supervised by Dr. No  lle Gunst)
- Hadyn Dresser: "Cognition and situational learning in nonhuman animals" (co-supervised by Dr. No  lle Gunst)
- Keana Funk: "Primate personality and economic behavior" (co-supervised by Dr. No  lle Gunst)
- Kyla Funk: "Manipulation of symbolic tools in monkeys" (co-supervised by Dr. No  lle Gunst)
- Kelsey Harkness: "Analysis of fidgeting as a predictor of emotional states"
- Edwin Jada: "Social cognition in monkeys via video analysis of behavior" (co-supervised by Dr. No  lle Gunst)
- Bilise Kito: "Social cognition in monkeys via video analysis of behavior" (co-supervised by Dr. No  lle Gunst)
- Logan Page: "Psychological mechanisms and evolution of rituals"
- Drayton Pratt: "Cognition and situational learning in nonhuman animals" (co-supervised by Dr. No  lle Gunst)
- Drayton Pratt: "Social cognition in monkeys via video analysis of behavior" (co-supervised by Dr. No  lle Gunst)
- Ghazal Singh: "Social cognition in monkeys via video analysis of behavior" (co-supervised by Dr. No  lle Gunst)
- Jessica Thiessen: "Social cognition in monkeys via video analysis of behavior" (co-supervised by Dr. No  lle Gunst)

2018

- Stephanie Blencowe: "Object manipulation in monkeys"
- Caleb Fernell: "Achievement goal theory: Motivation and applications"

- Caitlin Furby: "Temporal structural analysis of object play behavior in macaques"
- Kelsey Harkness: "Video analysis of object manipulation in monkeys"
- Hayley Johnson: "Psychobiology of the belief in conspiracy theories"
- Corinne Marshall: "Psychology of object play and tool use in children"
- Makita Mikuliak: "Psychobiology of religious behavior and obsessive-compulsive disorder"
- Jessica Thiessen: "Behavioral mechanisms of female-male mounting in Japanese macaques" (co-supervised by Dr. Noëlle Gunst)
- Samantha Tinworth: "Video analysis of object play behaviour in monkeys"
- Brittany Toth: "Repetitive object play in monkeys"

2017

- Caleb Fernell: "Evidence-based assessment of religious coping strategies"
- Ryan Fukuda: "The evolution of religious beliefs"
- Caitlin Furby: "Tool-assisted masturbation in Balinese long-tailed macaques"
- Emmanuel Ipa: "Video analysis of monkey behaviour"
- Sidhesh Mohak: "Kinematic analysis of goal-directed behavior in primates"
- Jessica Sonmor: "Video analysis of stone play behaviour in monkeys"
- Stephanie Varsanyi: "Behavioral mechanisms of female-male mounting in Japanese macaques" (co-supervised by Dr. Noëlle Gunst)

2016

- Samantha Lasante: "Personality and prejudice towards homosexuals"
- Sidhesh Mohak: "Manual coordination in object play by non-human primates"
- Ashna Prakash: "Many Gods' many voices: Psychosis in the Hindu religion"
- Lyndsay Tomm: "HEXACO personality traits and religiosity in a sample of undergraduate students"
- Lyndsay Tomm: "Personality and religious orientation"
- Lindsay Tymchyna: "Personality in backpackers versus non-backpackers"
- Lauren Vomberg: "Personality and religious fundamentalism"
- Lauren Vomberg: "Statistical analysis of personality and degree of religiosity in Judaism"
- Jessica Vos: "Religiosity and prejudice towards homosexuals"

2015

- Tracy Fillion: "A proximate perspective on religious behavior and belief: ontogenetic processes and causal mechanisms"
- Riane McCallum: "Stone handling repertoire in long-tailed macaques"
- Melissa McKinnon: "An ultimate perspective on religious behavior and belief: functional components and evolutionary history"
- Amanda Pelletier: "Structure of the stone handling behaviour in Balinese long-tailed macaques"

2012

- David Baran: "Homosociality in humans" (co-supervised by Dr. Paul Vasey)

Applied Study students, Department of Psychology, University of Lethbridge:

- Caleb Fernell: "Therapeutic Arts in Native American Culture" (Summer 2018)
- Sidhesh Mohak: "Object play and tool in young children" (Spring 2018; co-supervised by Dr. Afra Foroud)
- Amanda Maki: "Effects of equine-assisted therapy on children with psychological disorders and physical disabilities" (Summer 2017)
- Rosemary Boisson: "Integration of Syrian refugees into the Canadian society" (Spring 2017)

Graduate supervisory committees

- 2015 **Chair of Thesis Examination Committee**, Department of Psychology, University of Lethbridge: "Etudier le français: Pourquoi pas? Motivation, participation et faux amis dans cours de français, langue seconde à l'école secondaire en Alberta" (Steven Gillis, M.A. candidate, under the supervision of Dr. Alain Takam).
- 2017-present **Ph.D. candidate**, Department of Psychology, University of Lethbridge: "Conditions promoting and preventing social learning among the vervets" (Christina Nord, under the co-supervision of Dr. Louise Barrett and Dr. Peter Henzi).

- 2017-present **Ph.D. candidate**, Department of Psychology, University of Lethbridge: “Mechanisms and evolution of male androphilia in the Istmo Zapotec” (Francisco Gómez, under the supervision of Dr. Paul Vasey).
- 2016-present **Ph.D. candidate**, Department of Psychology, University of Lethbridge: “Inter-sexual mate competition: A previously unrecognized factor in the evolution of human mating” (Scott Semenyina, under the supervision of Dr. Paul Vasey).
- 2016-present **Ph.D. candidate**, Department of Psychology, University of Lethbridge: “Male sexual orientation: a cross-cultural perspective” (Lanna Petterson, under the supervision of Dr. Paul Vasey).
- 2015-2017 **M.Sc. candidate**, Department of Biological Science, University of Lethbridge: “The genetic basis of plumage polymorphism and behaviour in ruffed grouse” (Ashley Jensen, under the co-supervision of Dr. Theresa Burg and Dr. Andrew Iwaniuk).
- 2015-2017 **M.Sc. candidate**, Department of Psychology, University of Lethbridge: “Cross-culturally invariant aspects of male androphilia in the Istmo Zapotec” (Francisco Gómez, under the supervision of Dr. Paul Vasey).
- 2015-2017 **M.Sc. candidate**, Department of Neuroscience, University of Lethbridge: “The expression of nonapeptide receptors in relation to mating system in Richardson's ground squirrels” (Juliana Araújo, under the supervision of Dr. Andrew Iwaniuk).
- 2015 **Chair of Thesis Examination Committee**, Department of Psychology, University of Lethbridge: “Bullying, physical aggressivity, gender atypicality, and sexual orientation in males” (Scott Semenyina, M.Sc. candidate, under the supervision of Dr. Paul Vasey).
- 2009-2010 **Ph.D. evaluation committee member**, Primate Research Institute, Kyoto University, Japan: “The effects of environmental differences on behavioural budgets and feeding strategies of captive Japanese macaques, *Macaca fuscata*” (Mohammad Firoj Jaman)

ACADEMIC SERVICES AND PROFESSIONAL CONTRIBUTIONS

Service activities for the Department of Psychology

- Academic Timetable Working Group member (Apr. 2018 – present): Liaison between the Registrar’s Office and the Department of Psychology to facilitate the Institutional Academic Timetable Project
- Lab Cluster Leader (Sept. 2018 – present): Liaison between the Science and Academic Building and the Department of Psychology to facilitate the move
- Departmental Library Representative (Jul. 2017 – June 2018)
- Departmental Self-Study Report Committee (Jul. 2016 – present): Ongoing Departmental Review
- Departmental Chair Selection Committee (Jul. 2015 – present): 2 applications reviewed
- Departmental Job Search Committee (Jul. 2014 – present): 15 applications reviewed (adjunct faculty and instructor positions)
- Departmental Graduate Education Committee (Jul. 2014 – present): 20 MSc and 10 PhD applications reviewed

Service activities for the University of Lethbridge

- Master of Science Program Committee (2019 – 2021)
- External alternate faculty member for the Search and Chair Selection Committee in the Department of Modern Languages and Linguistics (2019 – 2020)

- Psychology Department Representative for the Animal Welfare Committee (2019 – present)
- Judge for the Qualifying Heats of the annual *Three Minute Thesis competition* (3MT®), hosted by the School of Graduate Studies (2018, 2019)
- General Faculties Council – Research Committee (2016 – present)
 - ULRF Adjudication Committee: 19 applications reviewed
 - Chinook Summer Grant Adjudication Committee: 51 applications reviewed
 - Graduate SSHRC Doctoral Adjudication Committee: 26 applications reviewed
- NSERC Undergraduate Student Research Award (USRA) Adjudication Committee (2014 – present): 110 applications reviewed
- Lab Cluster Leader and Move Coordinator: Liaison between the Department of Psychology and Move staff at the new Science and Academic Building at the University of Lethbridge (2018 – present)
- Participant in *Destination Project “super-week”* meetings: Design and construction of a new Science and Academic Building at the University of Lethbridge (2016 – 2018)

Peer reviewer for scientific journals (total number of reviews: 77)

Advances in Zoology (1), *American Journal of Physical Anthropology* (2), *American Journal of Primatology* (11), *Animal Behaviour* (5), *Anthropological Science* (1), *Archives of Sexual Behavior* (6), *Behavioral Ecology* (1), *Behaviour* (5), *Behavioural Processes* (2), *Biology Letters* (2), *BMC Evolutionary Biology* (1), *Canadian Journal of Behavioural Science* (1), *Cognitive Science* (1), *Current Biology* (1), *Ethology* (1), *Evolutionary Psychological Science* (2), *Folia Primatologica* (2), *Frontiers in Psychology* (5), *Human Nature* (2), *International Journal of Comparative Psychology* (1), *International Journal of Primatology* (2), *Journal of Ethology* (3), *Neuroscience and Biobehavioral Review* (1), *Palgrave Communications – Nature* (2), *PeerJ* (1), *Philosophical Transactions of the Royal Society B* (1), *PLoS ONE* (4), *Primates* (7), *Revue de Primatologie* (1), *Scientific Reports* (2), *Zoological Studies* (1)

Book reviewer for *Choice: Current Reviews for Academic Libraries* (total number of book reviews: 15)

- *The Goodness Paradox – The Strange Relationships Between Virtue and Violence in Human Evolution*, by Richard Wrangham. Pantheon Books, 2019.
- *The Ape that Understood the Universe – How the Mind and Culture Evolve*, by Steven Steward-Williams. Cambridge University Press, 2018:
[https://jbleca.webs.com/Leca%202019%20\(Choice%20Review%20-%20The%20Ape%20that%20Understood%20the%20Universe\).pdf](https://jbleca.webs.com/Leca%202019%20(Choice%20Review%20-%20The%20Ape%20that%20Understood%20the%20Universe).pdf)
- *Through a Glass Brightly: Using Science to See Our Species as We Really Are*, by David P. Barash. Oxford University Press, 2018:
https://jbleca.webs.com/Leca%202019_Review%20Through%20A%20Glass%20Brightly.jpg
- *The Domestic Dog: Its Evolution, Behavior and Interactions with People*, ed. by James Serpell. Cambridge University Press, 2017:
[http://jbleca.webs.com/Leca%202017%20\(Choice%20Review%20-%20Domestic%20Dog\).jpg](http://jbleca.webs.com/Leca%202017%20(Choice%20Review%20-%20Domestic%20Dog).jpg)
- *Ice Bear: The Cultural History of an Arctic Icon*, by Michael Engelhard. University of Washington Press, 2017:
[http://jbleca.webs.com/Leca%202017%20\(Choice%20Review%20-%20Ice%20Bear\)%201.jpg](http://jbleca.webs.com/Leca%202017%20(Choice%20Review%20-%20Ice%20Bear)%201.jpg)
- *Displaying Death and Animating Life: Human-Animal Relations in Art, Science, and Everyday Life*, by J. C. Desmond. The University of Chicago Press, 2016:
[http://jbleca.webs.com/Leca%202017%20\(Choice%20Review%20-%20Displaying%20Death\)%202.jpg](http://jbleca.webs.com/Leca%202017%20(Choice%20Review%20-%20Displaying%20Death)%202.jpg)
- *Mourning Animals: Rituals and Practices Surrounding Animal Death*, ed. by M. DeMello. Michigan State University Press, 2017:
[http://jbleca.webs.com/Leca%202017%20\(Choice%20Review%20-%20Mourning%20Animals\).jpg](http://jbleca.webs.com/Leca%202017%20(Choice%20Review%20-%20Mourning%20Animals).jpg)
- *Producing Predators: Wolves, Work, and Conquest in the Northern Rockies*, by M.D. Wise. University of Nebraska Press, 2016:
[http://jbleca.webs.com/Leca%202017%20\(Choice%20Review%20-%20Producing%20Predators\).jpg](http://jbleca.webs.com/Leca%202017%20(Choice%20Review%20-%20Producing%20Predators).jpg)
- *What Is a Dog?* ed. by R. Coppinger and L. Coppinger. The University of Chicago Press, 2016:
[http://jbleca.webs.com/Leca%202016%20\(What%20is%20a%20dog\).jpg](http://jbleca.webs.com/Leca%202016%20(What%20is%20a%20dog).jpg)
- *The Social Neuroscience of Human-Animal Interaction*, ed. by L.S. Freund, S. McCune, L. Esposito, N.R. Gee, and P. McCardle. American Psychological Association, 2016:

[http://jbleca.webs.com/Leca%202016%20\(Social%20Neuroscience%20of%20Animal-Human%20Interaction\).jpg](http://jbleca.webs.com/Leca%202016%20(Social%20Neuroscience%20of%20Animal-Human%20Interaction).jpg)

- *Primates and Cetaceans: Field Research and Conservation of Complex Mammalian Societies*, ed. by J. Yamagiwa and L. Karczmarski. Springer, 2014:
<http://www.choiceconnect.org/webclipping/169398/z3n7-j2mqtm3ndkj843cdsl7wgh47-f10opjy74-xec9off>
- *The Cultural Lives of Whales and Dolphins*, ed. by H. Whitehead and L. Rendell. The University of Chicago Press, 2015:
http://choiceconnect.org/webclipping/190910/77v07dzc5f-eehg4_gnikkbf7edxpaskvqezegsjewnl4fk-s
- *The Evolution of Social Communication in Primates: A multidisciplinary approach*, ed. by M. Pina and N. Gontier. Springer, 2014:
<http://choiceconnect.org/webclipping/186381/6own9q6yx2q0y1spjz0cgy-u9jqdmlxgzitvynijcyh2n1fwoc>
- *Animal Social Networks*, by J. Krause, R. James, D. Franks, D.P. Croft, Oxford University Press, 2015:
http://choiceconnect.org/webclipping/191764/1xr_5m3x56n2i1u809fjwfnhji8l-vvzgbz_nqwgj-8syqovmt
- *Animal Creativity and Innovation*, by A.B. Kaufman and J.C. Kaufman, Academic Press, 2015:
http://choiceconnect.org/webclipping/194054/cmv3vl13e9-p1vmzcdf3bplr0wtpyek2r7rafg4kc3z3m_qpdv

Other reviewing activities

- E-database: *Primate Factsheets* (4)
- Research grant proposals (8):
 - *National Science Foundation Graduate Research Fellowship, USA*
 - *The Leakey Foundation, USA*
 - *Leverhulme Trust, UK*
 - *The Netherlands Organisation for Scientific Research*
 - *Grant Agency of the Academy of Science of the Czech Republic*
- Abstracts (16):
 - *Congress of the International Primatological Society, Kyoto, Japan (2010)*
 - *Annual Meeting of the Minds Multidisciplinary Research Conference, University of Lethbridge, Canada (2016, 2017)*

Professional contributions

- **Animal Behavior Society Education Committee** (Outstanding Children's Book Award Subcommittee: 2017)
- **Scientific Committee member**: European Federation for Primatology (2017)
- **Editorial Board**: *Evolutionary Psychological Science, Frontiers in Psychology* (since 2014)
- **Conference co-organizer** (with P.L. Vasey and K. Suschinsky): "Puzzle of Sexual Orientation Meeting", held at the University of Lethbridge, Canada (2015)
- **Chief-editor** (co-editors: M.A. Huffman and P.L. Vasey): Edited volume: "Monkeys of the Stormy Mountain – 60 years of primatological research on the Japanese macaques of Arashiyama", Cambridge University Press (published in 2012)
- **Symposium organizer**: "The Japanese macaques of Arashiyama: Demographic studies, behavioral research and management efforts", held during the *Congress of the International Primatological Society, Kyoto, Japan (2010)*
- **Scientific Committee member**: *Congress of the International Primatological Society, Kyoto, Japan (2010)*

Current membership of academic societies

- International Primatological Society
- International Academy of Sex Research

MEDIA AND OTHER RESEARCH OUTREACH ACTIVITIES

Interviews about my research on "Bartering/Gambling Monkeys" in Bali

- *CBC Radio-One, Calgary, Canada (Doug Dirks: The Homestretch – Apr. 2019)*
<https://www.cbc.ca/player/play/1484637763706>
- *University of Lethbridge Research News, Canada (Trevor Kenney – Apr. 2019)*
<http://www.uleth.ca/unews/article/monkeys-can-barter-can-they-gamble-asks-new-study-university-lethbridge-researcher>

- *Ici Radio-Canada, CBC, Canada* (Sandra Gagnon: *La croisée* – Jun. 2017)
<http://ici.radio-canada.ca/premiere/emissions/la-croisee/segments/entrevue/27245/singe-troc-vol-bali>
- *Le Monde, Paris, France* (Pierre Trouvé – Jun. 2017)
http://www.lemonde.fr/sciences/video/2017/06/09/comment-les-macaques-a-bali-ranconnent-les-touristes-pour-obtenir-de-la-nourriture_5141688_1650684.html
- *Global News TV-Lethbridge, Canada* (Allie Miller – Jul. 2016)
<http://globalnews.ca/video/2828182/monkey-business-alberta-researchers-explore-phenomenon-of-tourists-being-ripped-off-by-tourists>
- *CTV-Lethbridge, Canada* (Terry Vogt – Jun. 2016)
bit.ly/29hjT40
- *CBC Radio-One, Calgary, Canada* (Doug Dirks: *The Homestretch* – Jun. 2016)
<http://www.cbc.ca/player/play/2691116967>
- *University of Lethbridge Research News, Canada* (Trevor Kenney – Jun. 2016)
<http://www.uleth.ca/unews/article/leca-research-targets-light-fingered-balinese-macaque-monkeys>
- *BBC-2, Natural History Unit, UK* (Chris Packham: *World's Sneakiest Animals Series* – Jan. 2016)
<https://youtu.be/apkHkF1GY4k>
<http://www.bbc.co.uk/programmes/p03chr5c>
- *PBS-Nature, USA* (Chris Packham: *Natural Born Hustlers Series* – Jan. 2016)
https://youtu.be/Dcu_i27s7LY

Press releases about my research on "Bartering/Gambling Monkeys" in Bali

- *CBC News, Calgary, Canada* (Pamela Fieber – Apr. 2019)
<https://www.cbc.ca/news/canada/calgary/university-of-lethbridge-psychology-professor-bali-study-bartering-macaque-monkeys-gambling-1.5092627>
- *SciShow* (Christie Wilcox – Mar. 2019)
<https://www.youtube.com/watch?v=X7QlhPOFQO4>
- *BBC-Mundo, Mexico* (Jun. 2017)
<http://www.bbc.com/mundo/noticias-40084089>
- *la Repubblica, Roma, Italy* (Giuliano Aluffi – Jun. 2017)
http://www.repubblica.it/scienze/2017/05/29/news/i_macachi_che_ricattano_i_turisti_a_bali-166733188/?ref=fbpr#gallery-slider=166733438
- *Université de Liège, Belgium* (Jun. 2017)
https://www.ulg.ac.be/cms/c_8996652/fr/le-troc-des-macaques-du-temple-d-uluwatu
- *Science Alert* (Signe Dean – May 2017)
<http://www.sciencealert.com/how-wild-monkeys-in-bali-took-to-the-thug-life-to-steal-valuables-and-sell-them-back-for-food>
- *Mother Nature Network* (Russel McLendon – May 2017)
<http://www.mnn.com/green-tech/research-innovations/blogs/monkey-mobsters-rob-tourists-barter-food>
- *The Times, London, UK* (Tom Whipple – May 2017)
<https://www.thetimes.co.uk/article/monkey-gang-holds-valuables-to-ransom-qg8k5glth>
- *New Scientist, London, UK* (Brian Owens – May 2017)
<https://www.newscientist.com/article/2132748-monkey-mafia-steal-your-stuff-then-sell-it-back-for-a-cracker/>
- *Global News, Canada* (Jun. 2016)
<http://globalnews.ca/news/2789790/monkey-business-alberta-researchers-explore-phenomenon-of-tourists-being-ripped-off-by-monkeys/>
- *PBS Learning Media platform*, an education resource for students 5th-12th grades (Jun. 2016)
<http://www.pbslearningmedia.org/resource/nat16.sci.lisci.macaque/learned-behavior-and-culture-in-thieving-macaque-monkeys/>

Interviews about my research on sexual behaviors in Japanese macaques

- *CBC Radio-One, Canada* (Carol Off: *As It Happens* – Dec. 2017)
<http://www.cbc.ca/radio/asithappens/as-it-happens-friday-edition-1.4450532/they-have-a-monkey-on-their-back-and-they-seem-to-like-it-why-are-japanese-macaques-humping-deer-1.4451096>
- *University of Lethbridge Research News, Canada* (Trevor Kenney – Jan. 2015)
<http://www.uleth.ca/unews/article/cultural-influences-may-play-role-maintaining-non-conceptive-sexual-behaviour-japanese#.VMU2EC5e8Zw>
- *University of Lethbridge Research News, Canada* (Trevor Kenney – Apr. 2013)

<http://www.uleth.ca/unews/article/research-ties-established-through-japanese-macaques-0>

- *CBC-Television*, Canada (Bryce Sage: *The Nature of Things*– Mar. 2013)

<http://www.cbc.ca/natureofthings/features/survival-of-the-fabulous-extra-video>

Press releases about my research on sexual behaviors in Japanese macaques

- *The Guardian* (Nicola Davis – Dec. 2017)

<https://www.theguardian.com/science/2017/dec/15/sex-between-snow-monkeys-and-sika-deer-may-be-new-behavioural-tradition>

- *New Scientist* (Sam Wong – Dec. 2017)

<https://www.newscientist.com/article/2156481-young-female-monkeys-use-deer-as-outlet-for-sexual-frustration/>

- *NPR* (Camila Domonoske: *The Two-Way* – Dec. 2017)

<https://www.npr.org/sections/thetwo-way/2017/12/15/571175252/scientists-say-japanese-monkeys-are-having-sexual-interactions-with-deer>

- *Inverse Science* (Peter Hess – Dec. 2017)

<https://www.inverse.com/article/39437-japanese-snow-monkey-macaque-humping-sika-deer-video>

- *National Geographic* (Elaina Zachos – Dec. 2017)

<https://news.nationalgeographic.com/2017/12/japanese-macaques-sika-deer-sexual-interactions-spd/>

- *Daily Mail Online* (Keiran Southern – Dec. 2017)

<http://www.dailymail.co.uk/news/article-5186265/Japanese-snow-monkeys-learning-sex-deer.html>

- *The Washington Post* (Kristine Phillips – Dec. 2017)

https://www.washingtonpost.com/news/animalia/wp/2017/12/16/yes-thats-a-monkey-grinding-on-top-of-a-deer/?utm_term=.43b1b935857f

- *Popular Science* (Rachel Feltman – Dec. 2017)

<https://www.popsci.com/why-monkeys-have-sex-with-deer>

- *Le Monde* (Nathaniel Herzberg – Dec. 2017)

http://www.lemonde.fr/sciences/article/2017/12/18/des-pratiques-sexuelles-regulieres-observees-entre-des-femelles-macaques-et-des-cerfs-males_5231554_1650684.html

- *Le Figaro* (Tristan Vey – Dec. 2017)

<http://www.lefigaro.fr/sciences/2017/12/20/01008-20171220ARTFIG00150-des-macaques-femelles-observees-en-train-de-se-masturber-sur-le-dos-de-cerfs.php>

- *Allo Docteurs?* (Marina Carrere d'Encausse – Dec. 2017)

https://www.allodocteurs.fr/bien-etre-psycho/environnement-et-sante/animaux/orgasme-les-macaques-preferent-les-cerfs_23887.html

- *20 minuten* (Jean-Claude Gerber – Dec. 2017)

<http://www.20min.ch/wissen/news/story/Darum-haben-japanische-Affen-Sex-mit-Hirschen-29097873>

- *Die Welt* (Jean-Claude Gerber, Dec. 2017)

<https://www.welt.de/wissenschaft/article171727201/Partnerwahl-Diese-Affen-haben-Sex-mit-Hirschen.html>

Interviews about my research on mona monkeys in Grenada

- *Grenadian Government Information Services TV channel* (Apr. 2014)

- *Jamaica Observer* (May 2014)

<http://www.jamaicaobserver.com/latestnews/Grenada-s-Mona-Monkey-population-under-threat>

Press releases about my research on material culture in Japanese macaques

- *Frontiers in Ecology and the Environment* (Adrian Burton – Mar. 2019)

<https://esajournals.onlinelibrary.wiley.com/doi/epdf/10.1002/fee.2014>

- *Discovery News* (Feb. 2013)

<http://news.discovery.com/animals/monkeys-flossing-teeth.htm>

- *Science on NBC News* (Jennifer Viegas – Dec. 2009)

http://www.nbcnews.com/id/34621946/ns/technology_and_science-science/#.UYFRTspcbVA

- *The Japan Times* (Rowan Hooper – Aug. 2009)

<http://www.japantimes.co.jp/news/2009/08/09/national/science-health/from-flossing-to-philosophy/>

Participation in research outreach activities with public exhibits:

- *Monkey-Deer Sex*: The Osaka International School of Kwansai Gakuin, Minoh, Japan (Interview

- Director Bill Kralovec, Biology Teacher Allana Rumble, and selected students – Feb. 2018)
- *Monkeys Do*: Lethbridge Park Meadows School (Introduction to Primatology – May 2016)
 - *Monkeys Do*: Lethbridge Montessori School (Introduction to Primatology – June 2016)
 - Participant in annual *Open House* and *New Student Orientation Day* events (providing information to prospective students): Department of Psychology, University of Lethbridge (2014-2018)
 - Judge at the annual *Lethbridge Regional Science Fair* events, University of Lethbridge (2016-2019)
 - *Animal Behavior Society Conference – Outreach Fair*: New Mexico Museum of Natural History and Science, Albuquerque, USA (June 2012)
 - Scientific Advisor for the movie *Snow Monkeys*, PBS Nature, Pontecorvo Production (2014)
 - Educational website: “Initiation à l’éthologie des primates: [Introductory primate ethology]” (2000).
 - Interviewed for the video movie: “Le métier d’éthologiste [Becoming an ethologist]”, ULP Multimédia production, University Louis Pasteur, Strasbourg, France (2000).

GRANTS, FELLOWSHIPS, AND SCHOLARSHIPS

Grants

Social Sciences and Humanities Research Council of Canada – Insight Development Grant (2019-2021)

Awarded to: Noëlle Gunst (Principal applicant), Jean-Baptiste Leca (Co-applicant #1), Paul Vasey (Co-applicant #2)

Project title: *Socioeconomic, cultural, and psychological drivers of wildlife perception and use in Grenada: Towards a sustainable human-nature coexistence*

Amount: \$34,335 (CAD)

L.S.B. Leakey Foundation – General Research Grant (2019-2021)

Awarded to: Arijit Pal (Post-Doctoral Fellow) supervised by Jean-Baptiste Leca (Co-Investigator #1) and Anindya Sinha (Co-Investigator #2)

Project title: *Affordance learning: From object play to tool use?*

Amount: \$22,750 (USD)

University of Lethbridge Research Fund (2019-2020)

Awarded to: Jean-Baptiste Leca, Paul Vasey, and Noëlle Gunst

Project title: *Comparative evolution of socio-sexuality and non-conceptive sex in male primates – Some answers from Tibetan macaques*

Amount: \$11,998 (CAD)

Alberta Gambling Research Institute – Major Grant (2018-2020)

Awarded to: Jean-Baptiste Leca (Principal applicant), Robert Williams (Co-applicant #1), and Elsa Addressi (Co-applicant #2)

Project title: *Development of an ecologically valid non-human primate model of gambling*

Amount: \$54,650 (CAD)

Board of Governors Research Chair – Tier II: Origins & Explorations, Office of the Vice-President (Research), University of Lethbridge (2017-2020)

Awarded to: Jean-Baptiste Leca

Project title: *The hows and whys of questionably adaptive cultural behaviours in macaques*

Amount: \$6,500 (CAD)

University of Lethbridge Research Fund (2016-2017)

Awarded to: Jean-Baptiste Leca

Project title: *The hows and whys of non-adaptive cultural behaviours in macaques*

Amount: \$6,000 (CAD)

University of Lethbridge Travel Fund (2016)

Awarded to: Jean-Baptiste Leca

Project title – Talk entitled: *Two forms of material culture in Balinese long-tailed macaques: the stone*

handling and token exchange traditions. Joint meeting of the International Primatological Society and the American Society of Primatologists, Chicago, USA

Amount: \$1,200 (CAD)

Fédération Belge des Femmes Diplômées des Académies (Belgium) – Marie Derscheid-Delcourt Research Grant (2016)

Awarded to: Fany Brotcorne (supervised by Jean-Baptiste Leca)

Project title: *Object/food cultural token economy in a population of Balinese long-tailed macaques*

Amount: \$3,700 (CAD)

Natural Sciences and Engineering Research Council of Canada – Discovery Grant (2015-2020)

Awarded to: Jean-Baptiste Leca

Project title: *The hows and whys of non-adaptive cultural behaviours in macaques*

Amount: \$120,000 (CAD)

Natural Sciences and Engineering Research Council of Canada – Early Career Researcher Award (2015-2020)

Awarded to: Jean-Baptiste Leca

Project title: *The hows and whys of non-adaptive cultural behaviours in macaques*

Amount: \$25,000 (CAD)

Social Sciences and Humanities Research Council of Canada – Individual Connection Grant (2015)

Awarded to: Paul Vasey, Jean-Baptiste Leca, and Kelly Suschinsky

Project title: *The puzzle of sexual orientation: What is it and how does it work?*

Amount: \$25,000 (CAD)

Fonds Léopold III pour l'Exploration et la Conservation de la Nature (Belgium) – Research Grant (2015)

Awarded to: Fany Brotcorne (under the supervision of Jean-Baptiste Leca)

Project title: *Object/food cultural token economy in a population of Balinese long-tailed macaques*

Amount: \$3,700 (CAD)

Dean's Office of the Faculty of Arts and Science, University of Lethbridge – Research Start-Up Allowance (2014-2016)

Awarded to: Jean-Baptiste Leca

Project title: *Object/food bartering as a traditional token economy in Balinese long-tailed macaques*

Amount: \$40,000 (CAD)

University of Lethbridge Travel Fund (2014)

Awarded to: Jean-Baptiste Leca

Project title – Talk entitled: *Inter-group variation in non-conceptive sexual activity in female Japanese macaques: Could it be cultural?* Biennial Meeting of the International Society for Comparative Psychology, Bogotá, Colombia

Amount: \$900 (CAD)

American Institute of Bisexuality, Inc. – Research Grant (2014)

Awarded to: Jean-Baptiste Leca

Project title: *Male bisexual behavior in all-male and mixed-sex groups of mona monkeys in Grenada, West Indies*

Amount: \$8,890 (USD)

L.S.B Leakey Foundation – General Research Grant (2013-2014)

Awarded to: Jean-Baptiste Leca

Project title: *Non-conceptive sexuality in Japanese macaques: Developmental, physiological, and cultural/genetic approaches*

Amount: \$13,140 (USD)

American Institute of Bisexuality, Inc. – Research Grant (2012)

Awarded to: Jean-Baptiste Leca

Project title: *Bisexual behavior in female Japanese monkeys: Developmental, physiological, and cultural approaches, and implications for the evolution of human bisexuality*

Amount: \$15,540 (USD)

International Primatological Society – Conservation Grant (2010)

Awarded to: Jean-Baptiste Leca and Noëlle Gunst (joint project)

Project title: *Census, socio-ecology, and population genetics of ebony leaf monkeys in Bali: Implications for the species' conservation status in Indonesia*

Amount: \$1,500 (USD)

American Society of Primatologists – Small Conservation Grant (2010)

Awarded to: Jean-Baptiste Leca and Noëlle Gunst (joint project)

Project title: *Census, socio-ecology, and population genetics of ebony leaf monkeys in Bali: Implications for the species' conservation status in Indonesia*

Amount: \$750 (USD)

Rufford Small Grant for Nature Conservation (2010)

Awarded to: Dr. Noëlle Gunst and Jean-Baptiste Leca (joint project)

Project title: *Census, socio-ecology, and population genetics of ebony leaf monkeys in Bali: Implications for the species' conservation status in Indonesia*

Amount: \$9,400 (USD)

Japan Society for the Promotion of Science – Grant-in-Aid for Scientific Research (2007-2009)

Awarded to: Jean-Baptiste Leca and Dr. Michael A. Huffman (joint project)

Project title: *Behavioral innovation and traditions in Japanese macaques: Social learning and socio-ecological factors*

Amount: \$18,290 (USD)

Primate Origins of Human Evolution (HOPE), Kyoto University, Japan – Research Grant (2008)

Awarded to: Jean-Baptiste Leca

Project title: *Stone handling behavior in Balinese long-tailed macaques: Towards a cross-species comparison of a macaque tradition*

Amount: \$2,730 (USD)

European Doctoral College, University Louis Pasteur, Strasbourg, France – Research Grant (2002)

Awarded to: Jean-Baptiste Leca

Project title: *Dominance, social negotiation and decision making process in white-faced capuchins*

Amount: \$7,470 (USD)

Centre National de la Recherche Scientifique, France-Belgium agreement – Research/Travel Grant (2002)

Awarded to: Jean-Baptiste Leca, Dr. Odile Petit, and Dr. Jean-Louis Deneubourg (joint project)

Project title: *Group decision in white-faced capuchin monkeys: Implications for complex systems and non-linear phenomena*

Amount: \$5,160 (USD)

Fellowships

Japan Society for the Promotion of Science – Post-doctoral Fellowship for Foreign Researchers (2012)

Awarded to: Dr. Noëlle Gunst and Jean-Baptiste Leca (joint project)

Project title: *Non-conceptive sexuality in Japanese macaques: Developmental, physiological and functional approaches*

Amount: \$30,200 (USD)

Post-doctoral fellowship (2011-2014)

Funds from: Dr. Paul L. Vasey's Natural Sciences and Engineering Research Council of Canada (NSERC) grant, and Alberta Innovates Health Solutions (AIHS) grant

Project title: *Non-conceptive sexuality in Japanese macaques: Developmental, physiological, functional, and cultural approaches*

Amount: \$43,000 (CAD)

Dean's Office of the Faculty of Arts and Science, University of Lethbridge – Post-doctoral Fellowship (2011-2012)

Awarded to: Jean-Baptiste Leca

Project title: *Non-conceptive sexuality in Japanese macaques: Developmental, physiological and functional approaches*

Amount: \$20,000 (CAD)

Japan Society for the Promotion of Science – Post-doctoral Fellowship for Foreign Researchers (2007-2009)

Awarded to: Jean-Baptiste Leca

Project title: *Behavioral innovation and traditions in Japanese macaques: Social learning and socio-ecological factors*

Amount: \$85,720 (USD)

French Ministry of Foreign Affairs – Egide/Lavoisier Post-doctoral Fellowship (2003-2005)

Awarded to: Jean-Baptiste Leca

Project title: *Behavioral innovation and traditions in Japanese macaques: Ethnographic approach and demographic factors*

Amount: \$63,900 (USD)

French Ministry of Scientific Research – Ph.D. Fellowship for Academic Merit (1998-2001)

Awarded to: Jean-Baptiste Leca

Project title: *Dominance, social negotiation and decision making process in white-faced capuchins*

Amount: \$36,100 (USD)

Scholarships

Regional Center of University Services, University Louis Pasteur, Strasbourg, France

M.Sc. Scholarship for Academic Merit (1997-1998)

Amount: \$10,550 (USD)

Regional Center of University Services, University of Bordeaux, France

B.Sc. Scholarship for Academic Merit (1994-1996)

Amount: \$4,670 (USD)

CITIZENSHIP, WORK STATUS IN CANADA, AND LANGUAGES

Citizenship: French

Work status in Canada: Permanent Resident (application for Canadian citizen: pending)

Languages:

- French: native language
- English: excellent working knowledge
- Japanese: basic knowledge (Japanese Language Proficiency Test, level 4)
- Spanish: basic knowledge