

Lucie Rigaiïl

Doctoral Course Candidate

Social Systems Evolution Section

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French

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Google Scholar: Lucie Rigaiïl

Research Interests

Reproduction, Mating strategies, Female multimodal sexual signaling, Post-conception mating, Sexual selection

Education

2013-2017 Doctoral Course in Primatology “Multimodal sexual signaling and mating strategies in Japanese macaques (*Macaca fuscata*)” Primate Research Institute, Kyoto University, Japan

2009-2011 M.Sc. in Physical Anthropology “Sexual signaling and mating behavior in olive baboons (*Papio anubis*)” University of Aix-Marseille 2, France

2006-2009 B.Sc. in Cellular Biology and Physiology University of Paris 7, France

Peer-review Papers

2016 L Rigaiïl, N Suda-Hashimoto, L Ducroix, K Mouri, T Furuichi, C Garcia. Olfactory communication in sexual context: No evidence that female urine modulates male sexual behaviors in Japanese macaques (*Macaca fuscata*). *Physiology and Behavior* (*under review*)

2016 L Rigaiïl, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Suzumura, T Furuichi, C Garcia. No evidence that face color varies with age, dominance status, parity, weight and intestinal nematode infection in female Japanese macaques. *Primates* (*under review*)

2016 C Garcia, L Rigaiïl, AJJ MacIntosh, JP Higham, S Winter, K Shimizu, K Mouri, T Furuichi. Signalisation multimodale de la gestation chez le macaque japonais (*Macaca fuscata*). *Revue de primatologie Varia*(6)

2015 L Rigaiïl, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi, C Garcia. Multimodal advertisement of pregnancy in free-ranging female Japanese macaques (*Macaca fuscata*). *PLoS ONE* 10(8): e0135127

2014 L Rigaiïl. Multimodal ovulatory signaling in human and non-human primates. *Bulletins et Mémoires de la Société d'Anthropologie de Paris.* 26 (2-3):161-165

2014 RSC Takeshita, FB Bercovitch, MA Huffman, K Mouri, C Garcia, L Rigaiïl, K Shimizu. Environmental, biological, and social factors influencing fecal adrenal steroid concentrations in female Japanese macaques (*Macaca fuscata*). *American Journal of Primatology* 76 (11), 1084-1093

2013 L Rigaiïl, JP Higham, PC Lee, A Blin, C Garcia. Multimodal sexual signaling and mating behavior in olive baboons (*Papio anubis*). *American Journal of Primatology* 75 (7):774–787

International Congresses and Symposiums

2016-March The 5th International Symposium on Primatology and Wildlife Science, Inuyama, Japan. L Rigaiïl, AJJ MacIntosh, JP Higham, K Shimizu, K Mouri, T Suzumura, T Furuichi, C Garcia. Face color indicates female reproductive state but not quality in Japanese macaques (*Macaca fuscata*). Poster

- 2015-October XXVIIIe Colloque de la Société Francophone de Primatologie, Strasbourg, France. C Garcia, L Rigai, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi. Signalisation multimodale de la gestation chez le macaque japonais (*Macaca fuscata*). Oral communication
- 2015-August 6th European Federation for Primatology Meeting, Rome, Italy. L Rigai, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi, C Garcia. Female Japanese macaques advertise pregnancy in multiple modalities. Oral communication
- 2015-July 31st Congress of the Primate Society of Japan, Kyoto, Japan. L Rigai, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi, C Garcia. Multiple sexual signals of pregnancy in Japanese macaques. Oral communication
- 2015-March EFOR Seminar: Reproductive function in non-human primates, Paris, France. C Garcia and L Rigai. Multimodal sexual signaling and mating behavior in non-human primates. Oral communication
- 2015-March The 3rd International Symposium on Primatology and Wildlife Science, Kyoto, Japan. L Rigai, AJJ MacIntosh, JP Higham, T Furuichi, C Garcia. Honest sexual advertisements of pregnancy in female Japanese macaques (*Macaca fuscata*). Poster
- 2014-August IPS XXV Congress, Hanoi, Vietnam. L Rigai, JP Higham, PC Lee, C Garcia. Multimodal sexual signaling and mating behaviors in olive baboons. Oral communication
- 2014-August IPS XXV Congress, Hanoi, Vietnam. RS Takeshita, FB Bercovitch, MA Huffman, K Mouri, C Garcia, L Rigai, K Shimizu. Environmental, biological and social factors influencing fecal adrenal steroid concentrations in female Japanese macaques (*Macaca fuscata*). Oral communication
- 2014-June International Seminar on Biodiversity and Evolution, Kyoto, Japan. L Rigai, JP Higham, PC Lee, C Garcia. Multiple sexual cues and mating strategies in captive olive baboons (*Papio anubis*). Oral communication
- 2013-September 29th Congress of the Primate Society of Japan, Okayama, Japan. L Rigai, JP Higham, PC Lee, C Garcia. *Multimodal ovulatory signaling in olive baboons*. Oral communication
- 2011-October XXIVe Colloque de la Société Francophone de Primatologie, Grenoble, France. L Rigai, C Garcia. Signaux sexuels et comportement reproducteur chez le babouin olive. Oral communication

National Congresses and Symposiums

- 2016-June Seminar on Japanese monkeys' Researches, Inuyama, Japan. L Rigai, N Suda-Hashimoto, L Ducroix, K Mouri, T Furuichi, C Garcia. Does female urine modulate male sexual behaviors in Japanese macaques? Poster
- 2014-December Interdisciplinary Seminar on Primatology, Inuyama, Japan. L Rigai, AJJ MacIntosh, T Furuichi, C Garcia. Post-conceptive socio-sexual behaviors in Japanese macaques. Poster
- 2014-June Seminar on Japanese monkeys' Researches, Inuyama, Japan. L Rigai, C Garcia, T Furuichi. Signal contents in wild female Japanese macaques' face color: Preliminary and promising results. Poster
- 2012-January Société d'Anthropologie de Paris, Paris, France. L Rigai, JP Higham, PC Lee, C Garcia. Multimodal sexual communication and mating behaviors in olive baboons. Poster

Competitive Awards

- 2016-March Best Poster Award—First Prize: Face color indicates female reproductive state but not quality in Japanese macaques (*Macaca fuscata*). 5th International Symposium on Primatology and Wildlife Science, Japan
- 2011-October Best Presentation Award—First Prize (750€): Sexual signals and mating behavior in olive baboons. XXIVe Colloque de la Société Francophone de Primatologie, France

Funding and Scholarships

- 2015-2017 Japan Society for the Promotion of Science (Fellowship)
- 2014 Heiwa Nakajima Scholarship for Foreign Students (Scholarship)
- 2013 Honors scholarships for Privately Financed International Student JASSO (Scholarship)

Field Experiences

- 2013-14 PhD Field Work (November-March) Multimodal sexual signals in wild Japanese macaques,
WRC research station, Koshima Island, Japan
- 2011-12 Research Assistant (October-January) Sexual signaling and mating behavior in Japanese macaques,
Primate Research Institute, Inuyama, Japan
- 2011 Master thesis (January-April) Sexual signaling and mating behaviors in olive baboons,
Station de Primatologie CNRS, Rousset, France

Languages

French: mother tongue
English: ToEIC Listening and Reading (2013) 880/980
Japanese: notions

Software

Pack Office 2007 (Word, Excel, PowerPoint)
Statistical software: SPSS 18.0, R 3.2.3, R studio
Photo editors: Adobe Photoshop CS5, ColourWorker, ImageJ, Canon package
Citations: Zotero

Laboratory Work

EIA Hormonal assays (estrogen and progesterone, creatinine)
Parasitological analyses of gastrointestinal parasites infecting Japanese macaques - microscopy -

List of Academic References

Dr. Cécile Garcia

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Pr. Takeshi Furuichi

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Dr. Andrew JJ MacIntosh

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