

Lucie Rigail, D. Sc.

French, born the 9th April 1988 (Villecresnes, France)

Contact information

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

URL: www.cicasp.pri.kyoto-u.ac.jp/people/lucie-rigail#

Email 1: rigail.lucie.2c@kyoto-u.ac.jp

Email 2: lucie.rigail@gmail.com

Google Scholar: <https://scholar.google.co.jp/citations?user=qxBn30MAAAAJ&hl=en>

ORCID: orcid.org/0000-0001-7040-3188

Employment History

- 2020 ~ 2021** Research Associate at CICASP
Kyoto University Primate Research Institute (Inuyama, Japan)
- 2017 ~ 2020** Program-Specific Assistant Professor,
Kyoto University Primate Research Institute (Inuyama, Japan)
- 2017 ~ .** Chercheur associé (Honorary Researcher)
UMR 7206 CNRS-MNHN, Musée de l'Homme (Paris, France)

Education History

- 2013 ~ 2017** D. Sc. in Biological Science, Kyoto University Primate Research Institute, Japan
- 2009 ~ 2011** M. Sc. in Physical Anthropology, University of Aix-Marseille 2, France
- 2006 ~ 2009** B. Sc. in Cellular Biology and Physiology, University of Paris 7, France

Research Keywords

- Mating behavior • Reproductive Endocrinology • Sexual communication • Female signals • Perception
- Digital photography • Human and non-human primates

Research grants

- 2018 ~ 2020** Grant-in-Aid for Research Activity start-up from the Japan Society for the Promotion of Science (JSPS), Japan (project 18H05810, JPY2.470.000)
- 2017** International Primatological Society Research Grant (US\$1.000 ~ JPY107.761)
- 2015 ~ 2017** Grant-in-Aid for JSPS Fellows from the Japan Society for the Promotion of Science JSPS, Japan (project 15J01067, JPY1.900.000)

Competitive awards and scholarships

- 2016** Best Poster Award–First Prize: *Face color indicates female reproductive state but not quality in Japanese macaques*, 5th International Symposium on Primatology and Wildlife Science, Japan
- 2014** Heiwa Nakajima Scholarship for Foreign Students, Japan
- 2013** Honors scholarship for Privately Financed International Student JASSO, Japan
- 2011** Best Presentation Award–First Prize (€750 ~ JPY88.214): *Sexual signals and mating behavior in olive baboons*, XXIV^e Colloque de la Société Francophone de Primatologie, France

Scientific Education and Outreach ~ since 2018

- Instructor in Animal behavior, Kyoto University (Lecturer: AJJ MacIntosh)
- Member of the **Leading Graduate Program in Primatology and Wildlife Science** (Kyoto Univ., Japan)
- Member of the Organizing team of **Nerd Nite Inuyama** (CICASP activity launched in 2018)

Other professional experience

- *ad hoc* reviewer: American Journal of Primatology, International Journal of Primatology, Primates, Ethology Ecology & Evolution, Leakey Foundation (research grant)
- Professional memberships: Société Francophone de Primatologie (Member of the Administration Board), Primate Society of Japan, Société d'Anthropologie de Paris, International Primatological Society, et Leading Graduate Program for Primatology and Wildlife Science.

Production Scientifique

1. **L Rigai**ll, JP Higham, S Winters, C Garcia (2019) The redder the better? Information content of red skin coloration in female Japanese macaques. Behavioral Ecology and Sociobiology 73(8):103. <https://doi.org/10.1007/s00265-019-2712-x>
2. **L Rigai**ll, N Suda-Hashimoto, L Ducroix, K Mouri, T Furuichi, C Garcia (2017) Testing for links between female urine and male sexual behaviors in Japanese macaques. International Journal of Primatology 38(5):823-837. <https://doi.org/10.1007/s10764-017-9980-y>
3. **L Rigai**ll, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Suzumura, T Furuichi, C Garcia (2017) Testing for links between face color and age, dominance status, parity, weight and intestinal nematode infection in female Japanese macaques. Primates 58(1):83-91. <https://doi.org/10.1007/s10329-016-0575-6>
4. C Garcia, F Bercovitch, T Furuichi, MA Huffman, AJJ Macintosh, **L Rigai**ll, RSC Takeshita, K Shimizu (2016) Ten years of collaboration between France and Japan-Studies on reproduction in Japanese macaques. Revue de Primatologie 7 [10.4000/primatologie.2666](https://doi.org/10.4000/primatologie.2666)
5. **L Rigai**ll, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi, C Garcia (2015) Multimodal advertisement of pregnancy in free-ranging female Japanese macaques (*Macaca fuscata*). PLoS ONE 10(8): e0135127. <https://doi.org/10.1371/journal.pone.0135127>
6. **L Rigai**ll (2014) Multimodal ovulatory signaling in human and non-human primates. Bulletins et Mémoires de la Société d'Anthropologie de Paris. 26 (2-3):161-165 <https://doi.org/10.1007/s13219-014-0108-z>
7. RSC Takeshita, FB Bercovitch, MA Huffman, K Mouri, C Garcia, **L Rigai**ll, K Shimizu (2014) Environmental, biological, and social factors influencing fecal adrenal steroid concentrations in female Japanese macaques (*Macaca fuscata*). American Journal of Primatology 76 (11), 1084-1093
8. **L Rigai**ll, JP Higham, PC Lee, A Blin, C Garcia (2013) Multimodal sexual signaling and mating behavior in olive baboons (*Papio anubis*). American Journal of Primatology 75 (7):774–787. <https://doi.org/10.1002/ajp.22154>

Preprint: **L Rigai**ll (2019) Information content of cheek and lip colour in relation to the timing of ovulation in women. BioRxiv <https://doi.org/10.1101/859801>

Invited Contribution: **L Rigai**ll & A Maille. Reproduction et systèmes sociaux, Atlas des Carnivores et des Primates de France (*expected in 2020, brochure*)

Media: C Garcia & **L Rigai**ll. Pourquoi les macaques japonais ont-ils le visage et les fesses rouges ? [The Conversation](#), October 2019

1. **32^{ème} colloque de la Société Francophone De Primatologie**, Parc de Branféré, France (October 2019) **L Rigaille***. Sur mes lèvres : Des informations sur la probabilité d'ovulation transmises du bout du lèvres ? **O**
2. **EFP-PSGB international conference**, Oxford, UK (September 2019) **L Rigaille***. Read my lips: Does lips colouration contain information about the timing of ovulation in women? **O**
3. **12th International Symposium on Primatology and Wildlife Science**, Inuyama, Japan (September 2019) **L Rigaille***. Sealed lips don't deceive: Lip coloration informs about ovulation probability. **P**
4. **31^{ème} colloque de la Société Francophone De Primatologie**, Paris, France (October 2018) **L Rigaille***. La coloration des lèvres: un indice de l'ovulation chez l'humain ? **O**, **abstract**: [Revue de Primatologie, 2018 Varia\(9\) doi : 10.4000/primatologie.3836](#)
5. **10th International Symposium on Primatology and Wildlife Science**, Kyoto, Japan (September 2018) **L Rigaille***. Read my lips: when the red gets redder. **O**
6. **34th congress of the Primate Society of Japan**, Tokyo, Japan (July 2018) **L Rigaille***. Women lips coloration as a signal of fertility and quality. **O**, **abstract**: [Primate Research Supplement, doi : 10.14907/primate.34.0_33_3](#)
7. **The 87th Annual Meeting of the American Association of Physical Anthropologists** Austin, USA (April 2018) SE Kessler*, **L Rigaille**, SE Street. Levels of selection: Untangling kin and individual signatures in vocalizations. **P**, **abstract**: [American Journal of Physical Anthropology, 2018, 165:138-138](#)
8. **7th European Federation for Primatology Meeting**, Strasbourg, France (August 2017) **L Rigaille***, AJJ MacIntosh, JP Higham, S Winters, T Furuichi, C Garcia. Face color indicates female reproductive state but not individual characteristics in Japanese macaques (*Macaca fuscata*). **O**, **abstract**: [Folia Primatologica, 2017 88\(2\) doi : 10.1159/000479094](#)
9. **7th European Federation for Primatology Meeting**, Strasbourg, France (August 2017) C Garcia*, **L Rigaille**, F Bercovitch, T Furuichi, MA Huffman, AJJ Macintosh, RSC Takeshita, K Shimizu. 10 years of collaboration between France and Japan-Studies on reproduction in Japanese macaques. **P**, **abstract**: [Folia Primatologica, 2017 88\(2\) doi : 10.1159/000479094](#)
10. **47^{ème} Colloque Société Française pour l'Etude du Comportement Animal**, Gif-sur-Yvette, France (May 2017) **L Rigaille***, AJJ MacIntosh, JP Higham, S Winters, T Furuichi, C Garcia. Impact des signaux sexuels multiples des femelles sur les stratégies de reproduction chez le babouin olive et le macaque japonais. **O**
11. **XXIX^e Colloque de la Société Francophone de Primatologie**, Paimpont, France (October 2016) C Garcia*, **L Rigaille**, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi. Existe-t-il des variations de la couleur de la face en fonction de l'âge, la dominance, la parité, le poids, et l'infection parasitaire intestinale chez des femelles macaques japonais (*Macaca fuscata*)? **O**
12. **Seminar on Japanese macaque research**, Inuyama, Japan (June 2016) **L Rigaille***, N Suda-Hashimoto, L Ducroix, K Mouri, T Furuichi, C Garcia. Does female urine modulate male sexual behaviors in Japanese macaques? **P**
13. **XXVIII^e Colloque de la Société Francophone de Primatologie**, Strasbourg, France (October 2015) C Garcia*, **L Rigaille**, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi. Signalisation multimodale de la gestation chez le macaque japonais (*Macaca fuscata*). **O**, **abstract**: [Revue de Primatologie, 2016 Varia\(6\) doi : 10.4000/primatologie.2346](#)
14. **6th European Federation for Primatology Meeting**, Rome, Italy (August 2015) **L Rigaille***, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi, C Garcia. Female Japanese macaques advertise pregnancy in multiple modalities. **O**, **abstract**: [Folia Primatologica 2015, doi : 10.1159/000435825](#)
15. **The 5th International Symposium on Primatology and Wildlife Science**, Inuyama, Japan (March 2016) **L Rigaille***, 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*). **P**

16. **31st Congress of the Primate Society of Japan**, Kyoto, Japan (July 2015) **L Rigaille***, AJJ MacIntosh, JP Higham, S Winters, K Shimizu, K Mouri, T Furuichi, C Garcia. Multiple sexual signals of pregnancy in Japanese macaques. **O**, **abstract**: [Primate Research Supplement doi : 10.14907/primate.31.0_72_2](https://doi.org/10.14907/primate.31.0_72_2)
17. **International Seminar on Biodiversity and Evolution**, Kyoto, Japan (June 2014) **L Rigaille***, JP Higham, PC Lee, C Garcia. Multiple sexual cues and mating strategies in captive olive baboons (*Papio anubis*). **P**
18. **EFOR Seminar: Reproductive function in non-human primates**, Paris, France (March 2015) C Garcia* & **L Rigaille**. Multimodal sexual signaling and mating behavior in non-human primates. **O**
19. **The 3rd International Symposium on Primatology and Wildlife Science**, Kyoto, Japan (March 2015) **L Rigaille***, AJJ MacIntosh, JP Higham, T Furuichi, C Garcia. Honest sexual advertisements of pregnancy in female Japanese macaques (*Macaca fuscata*). **P**
20. **XXVth Congress of the International Primatology Society**, Hanoi, Vietnam (August 2014) **L Rigaille***, JP Higham, PC Lee, C Garcia. Multimodal sexual signaling and mating behaviors in olive baboons. **O**
21. **XXVth Congress of the International Primatology Society**, Hanoi, Vietnam (August 2014) RS Takeshita*, FB Bercovitch, MA Huffman, K Mouri, C Garcia, **L Rigaille**, K Shimizu. Environmental, biological and social factors influencing fecal adrenal steroid concentrations in female Japanese macaques (*Macaca fuscata*). **O**
22. **29th Congress of the Primate Society of Japan**, Okayama, Japan (September 2013) **L Rigaille***, JP Higham, PC Lee, C Garcia. Multimodal ovulatory signaling in olive baboons. **O**
23. **Société d'Anthropologie de Paris**, Paris, France (January 2012) **L Rigaille***, JP Higham, PC Lee, C Garcia. Multimodal sexual communication and mating behaviors in olive baboons. **P**
24. **XXIVe Colloque de la Société Francophone de Primatologie**, Grenoble, France (October 2011) **L Rigaille***, C Garcia. Signaux sexuels et comportement reproducteur chez le babouin olive. **O**

Invited Seminars

- 2018** *Investigating the evolution of female red skin color in primate species* Annual Meeting of the Research Units for Exploring Future Horizons 2018, Kyoto University Research Coordination Alliance (Kyoto, Japan, January 26th)
- 2018** *Communication sexuelle des primates humains et non-humains* UMR 7206-MNHN Eco-Anthropologie (Paris, France, October 23rd)

Media coverage

- A study in scarlet Japanese macaques* EurekAlert, Jul. 2019
- What do the red "ornaments" of female macaques mean?* CNRS (cnrs.fr), Jul. 2019
- Pourquoi les femelles macaques ont-elles les fesses rouges ?* Le Figaro, Sept. 2019