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EDUCATION

- 2018-2019** **Postdoc position in biology.** University of Lund, Vision Group, Sweden.
Thesis: Chromatic vision in nocturnal raptors
Supervisor: Almut Kelber
- 2017** **Postdoc position in biology.** University of Lund, Vision Group, Sweden.
Thesis: Vision in diurnal raptors
Supervisor: Almut Kelber
- 2013-2016** **PhD position in biology.** University of Montpellier / Center for Functional and Evolutionary Ecology, France.
Thesis: Sensory Ecology of Raptors: Vision & Olfaction.
Supervisors: Francesco Bonadonna & Olivier Duriez
- 2012** **M.Sc. Degree in Biodiversity, Ecology & Evolution.** University of Toulouse, France.
M.Sc.
Thesis: Interindividual differences and repeatability in the foraging strategies of two marine birds species, the great cormorant *Phalacrocorax carbo* and the European shag *Phalacrocorax aristotelis*.
Supervisors: Amélie Lescroël, Alexandre Carpentier & David Grémillet
- 2011** **B.Sc. Degree in Biology of Organisms.** University of Rennes 1, Rennes, France

PUBLICATIONS

- Potier S.**, Duriez O., Cunningham G.B., Bonhomme V., O'Rourke C., Fernández-Juricic E. & Bonadonna F. (Submitted to Journal of Experimental Biology). Visual field shape and foraging ecology in diurnal raptors.
- Potier S.**, Besnard M.M., Schikorski D., Buatois B., Duriez O., Gabirot M., Leclaire S. & Bonadonna F. (Submitted to Journal of Avian Biology). Preen oil chemical composition encode individuality, seasonal variation and kinship in Black kites *Milvus migrans*.
- Potier S.**, Duriez O., Célérier A., Liegeois J-L. & Bonadonna F. (Submitted to Behavioral Ecology). Sight or smell: which senses do scavenging raptors use to find food?
- Potier S.#**, Mitkus M.#, Bonadonna F., Duriez O., Isard P-F., Dulaurent T, Mentek, M. & Kelber A. 2017. Eye size, fovea and foraging ecology in accipitriform raptors. (# Equal contribution of authors). *Brain, Behavior and Evolution*, **90**: 232-242.
- Potier S.**, Bonadonna F., Martin G.R., Isard P-F., Dulaurent T., Mentek, M. & Duriez O. 2017. Visual field and foveal characteristics of two species of Falconidae with different ecology. *Ibis*, **160**: 54-61.
- Potier S.**, Bonadonna F., Kelber A., Martin G. R., Isard P-F., Dulaurent T. & Duriez O. 2016. Visual abilities in two raptors with different ecology. *Journal of Experimental Biology*, **219**: 2639-2649.
- Potier S.**, Bonadonna F., Kelber A. & Duriez O. 2016. Visual acuity in an opportunistic raptor, the chimango caracara (*Milvago chimango*). *Physiology & Behavior*, **157**: 125-128
- Potier S.**, Carpentier A., Grémillet D., Leroy B. & Lescroël A. 2015. Individual repeatability of foraging behaviour in a marine predator, the great cormorant, *Phalacrocorax carbo*. *Animal Behaviour*, **103**: 83-90
- Pétillon J., **Potier S.**, Carpentier A. & Garbutt A. 2014. Evaluating the success of managed realignment for the restoration of salt marshes: lessons from invertebrate communities. *Ecological Engineering*, **69**: 70-75

AWARDS AND GRANTS

2017 Endowments for the Natural Sciences, Medicine and Technology, Biology - The Royal Physiographic Society of Lund

BOOK CHAPTERS

Mitkus M., **Potier S.**, Marting G.R., Duriez O. & Kelber A. (in press). Raptor Vision. Oxford Research Encyclopedia of Neuroscience

Bertin A., **Potier S.** & Bonadonna F. 2016. L'olfaction chez les oiseaux. La letter des neurosciences.

ORAL COMMUNICATIONS

2017 – Potier S. Qu'est-ce qu'un rapace et quelles sont ses capacités sensorielles? – Muséum d'Histoire Naturelle de Toulouse

2017 – Potier S. L'utilité des études scientifiques pour les voleries: le cas des études sensorielles. Réunion Annuelle des Voleries – Zoo de la Bourbansais

2017 – Duriez O., Angelier F. & Potier S. Projet d'étude : Impact du stress chez les rapaces. Réunion Annuelle des Voleries – Zoo de la Bourbansais

2016 – Potier S. La fauconnerie et la science : une collaboration fructueuse et nécessaire aux deux parties - Réunion Annuelle des Voleries - Le ZooParc de Beauval

2016 – Potier S., Besnard M.M., Schikorski D., Buatois B., Duriez O., Leclaire S. & Bonadonna F. Existe-il une communication chimique chez les rapaces? - Réunion Annuelle des Voleries - Le ZooParc de Beauval

2016 – Potier S., Duriez O. & Bonadonna F. Ecologie Sensorielle des Rapaces : Vision et Olfaction – Groupe Vautours France – Jaugac

2015 - Potier S., Duriez O. & Bonadonna F. Ecologie Sensorielle des Rapaces : Vision et Olfaction (Partie III) - Réunion Annuelle des Voleries - Le Grand Parc du Puy du Fou

2015 - Potier S., Bonadonna F., Kelber A., Martin G. R., Isard P-F., Dulaurent T. & Duriez O. Vision in two raptors: Visual acuity, visual field and foveal depth - European Ornithologists' Union (EOU2015) – Badajoz

2014 - Potier S., Duriez O. & Bonadonna F. Ecologie Sensorielle des Rapaces : Vision et Olfaction (Partie II) - Réunion Annuelle des Voleries - Le Zoo d'Amnéville

2014 - Potier S., Duriez O. & Bonadonna F. Ecologie Sensorielle des Rapaces : Vision et Olfaction – Assemblée Générale Extraordinaire 2014 de l'AFdPZ – Parc Animalier de Sainte Croix

2013 - Potier S., Duriez O. & Bonadonna F. Ecologie Sensorielle des Rapaces : Vision et Olfaction (Partie I) - Réunion Annuelle des Voleries - Le Parc des Oiseaux

POSTERS

2015 – Potier S., Bonadonna F., Kelber A., Martin G.R., Isard P-F., Cunningham G.B. and Duriez O. Vision in two raptors: visual acuity, foveal depth and visual field – European Ornithologists' Union (EOU2015) – Badajoz

2015 – Potier S., Duriez O., Célerier A., Liegeois J-L. and Bonadonna F. Testing olfactory ability to search food in raptors: First experimental evidence - European Ornithologists' Union (EOU2015) – Badajoz

2014 – Potier S., Bonadonna F., Kelber A. and Duriez O. The visual acuity of Harris's Hawk *Parabuteo unicinctus*: Individual differences – Sensory Ecology Courses – Lund

STUDENT SUPERVISION

2016 - Malicia Besnard, Student at the Ecole Pratique des Hautes Etudes (EPHE), France. Preen oil olfactory signature in Black Kites *Milvus migrans*. Co-supervised with Francesco Bonadonna & Sarah Leclaire.

SCIENTIFIC REVIEWER

Journal of Experimental Biology, Animal Behaviour, Royal Society Open Science, PloS ONE, Behavioral Ecology and Sociobiology, The Wilson Journal of Ornithology

IN THE MEDIA

2017 – Oeil pour oeil. Ushuaïa TV

2017 – Nos cinq sens. Canal +

2016 – Défi: Voir comme un hibou. On n'est pas que des cobayes, France 5.

ANALYSIS

Data sampling Photospectrometer (absolute and wavelength calibration), Luxmeter, Chromatography-Mass-Spectrometry (GCMS), Visual field, behavioural experiments (conditioning, exploration, flight behaviour), GPS, Accelerometer, Transmitter

Image analysis Morphometry, Optical Coherence Tomography

Statistics Classical tests (t-test, M/ANOVA, PCA), linear, non-linear & multiple regression analysis, repeatability, Generalized Linear Mixed Models (GLMM), time series analyses, Multivariable non-normal non balanced (PERMANOVA, ANOSIM), Psychometric Functions, Contrast Sensitivity Function (CSF)

SOFTWARE

Microsoft office, R (Rstudio), Adobe office (illustrator, photoshop, dreamweaver), ImageJ, So_Viewer

OTHER

Languages French (native language) and English

Hobbies Falconry, Fly Fishing, Music