

Alexandre Génin

Curriculum Vitae

Institut des Sciences de l'Evolution
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Education

- 2015-present **PhD candidate**, *Institut des Sciences de l'Evolution, Montpellier*, advisors: Sonia Kéfi and Vincent Devictor.
- 2011-2015 **Master's degree, major in Biology**, *École Normale Supérieure de Lyon*.
- 2010-2011 **Bachelor's degree, major in Earth and Planetary Science**, *École Normale Supérieure de Lyon*.
- 2008-2010 **Classe préparatoire**, *Lycée du Parc, Lyon*.
Two-year intensive course in Biology, Physics and Geology, preparing for the competitive entrance to the French "Grandes Écoles" (leading institutions of higher education)

Research experience

- 2015-present **PhD candidate**, *Institut des Sciences de l'Evolution, équipe BioDICée*, advisors: S. Kéfi and V. Devictor.
Ecological networks, stability and resilience of ecosystems
- 2012 and 2015 **Internship - M.S.**, *UC Berkeley/USGS*, advisors: E. Berlow and S. Kéfi.
Quantifying the response of alpine meadows to grazing disturbance in Sierra Nevada, California
- 2013-2014 **Sabbatical**, *Trinity College, Dublin*, in collaboration with Ian Donohue and Sonia Kéfi.
Non-trophic interactions and secondary extinctions in coastal food webs
- 2013-2014 **Internship - M.S.**, *Alpine Ecology Laboratory, Grenoble, France*, advisors: W. Thuiller and L. Chalmandrier.
Transitions in flora communities and diversity patterns around the last glacial maximum.
- 2012-2013 **Sabbatical**, *Chizé biological sciences center / Agro ParisTech*, advisors: C. Guinet and MP. Etienne.
Foraging behavior of Southern Elephant seals: new insights from sound loggers.

Languages

- French Native language
English Fluent
Spanish Very good command

Skills

- Office \LaTeX , Any common software : Word, Excel, etc.
R Good expertise. Author of two R packages: rollply, spatialwarnings
- Programming Matlab, Shell script, scientific C and C++
GIS QGIS
- Field Good experience with vegetation surveys and bird ringing from multiple field projects
experience

Personal interests

- Photography Wildlife and landscape photography
Sports Hiking, Skiing

Outcomes

Publications

- 4 **Génin, A.**, Lee, Steven R., Berlow, Eric L., Ostoja, Steven M., Kéfi, S.. Plant community patterns reveal resilience of subalpine meadows. *Ecology*, *submitted*
- 3 Donohue, I., Petchey, O. L., Kéfi, S., **Génin, A.**, Jackson, A. L., Yang, Q., O'Connor, N. E. Loss of predator species, not intermediate consumers, triggers rapid and dramatic extinction cascades. *Global Change Biology*, *accepted*
- 2 **Génin, A.**, Richard, G., Jouma'a, J., Picard, B., El Ksabi, N., Vacquié Garcia, J., et al. (2015). Characterization of postdive recovery using sound recordings and its relationship to dive duration, exertion, and foraging effort of southern elephant seals (*Mirounga leonina*). *Marine Mammal Science*, 31, 1452–1470
- 1 Richard, G., Vacquie-Garcia, J., Jouma'a, J., Picard, B., **Génin, A.**, Arnould, J.P.Y., et al. (2014). Variation in body condition during the post-moult foraging trip of southern elephant seals and its consequences on diving behaviour. *Journal of Experimental Biology*, 217, 2609–2619

Presentations at international conferences

- 2 **Génin, A.**, Kéfi, S., The effect of grazing on plant-plant association networks *Ecology Across Borders (British Ecol. Society meeting, 2017)*
- 1 **Génin, A.**, Kéfi, S., Lee, S. R., Berlow, E. L., Characterizing and mapping alternative stable states as a tool to prevent long-lasting vegetation shifts in protected subalpine areas *Ecosummit, 2016*