

CURRICULUM VITAE

BERNARD GOFFINET

REVISED OCTOBER 2022.

FIELD OF SPECIALIZATION

Systematics and Taxonomy of Bryophytes and Lichens.

PRESENT POSITION

Professor Department of Ecology and Evolutionary Biology, 75 North Eagleville Road, U-43,
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EDUCATIONAL BACKGROUND

1997: Ph.D., Botany, University of Alberta, Edmonton, Canada.
1989: "Licence en Sciences Biologiques" at the University of Liège, Belgium.

PROFESSIONAL BACKGROUND

2010–present University of Connecticut: Professor
2004–2010 University of Connecticut: Associate Professor
1999–2004 University of Connecticut: Assistant Professor
1997–1999 Duke University: Postdoctoral Research Associate

LANGUAGES

Fluent in French, German, and English, and elementary notions of Dutch and Spanish.

AWARDS AND HONORS

2021 UCONN-AAUP (American Association of University Professors), Excellence in Research & Creativity Career award.
2019 Special issue paper award from the *Journal of Systematics and Evolution* for the article by Medina, R., M.G. Johnson, Y. Liu, N.J. Wickett, A.J. Shaw & B. Goffinet, entitled "Phylogenomic delineation of *Physcomitrium* (Bryophyta: Funariaceae) based on targeted sequencing of nuclear exons and their flanking regions rejects the retention of *Physcomitrella*, *Physcomitridium* and *Aphanorrhagma*" and published in the *Journal of Systematics and Evolution* 57: 404–417 in 2019. <https://doi.org/10.1111/jse.12516>. This

publication also earned the first author the “JSE Outstanding Paper by Young Investigators Award”, in 2021.

- 2019 Sullivan award for best paper on bryology published in the *Bryologist* in 2018 (volume 121), by the American Bryological and Lichenological Society: Dong S., J.-Y. Xue, S. Zhang, L. Zhang, H. Wu, Z. Chen, B. Goffinet & Yang Liu. 2018. Complete mitochondrial genome sequence of *Anthoceros angustus*: conservative evolution of mitogenome in hornworts. *The Bryologist* 121: 14–22. <https://doi.org/10.1639/0007-2745-122.1.130>
- 2017 Excellent Scholar award (travel award) International Botanical Congress, Shenzhen, China, July 2017.
- 2014 Elected member of the Connecticut Academy of Science and Engineering (www.ctcase.org).
- 2013 Grady L. Webster Structural Botany Publication Award, which recognizes the most outstanding paper published in the *American Journal of Botany* in the field of structural and developmental botany in the last two years. The paper is: Budke, J.M., B. Goffinet & C.S. Jones. 2012. The cuticle on the calyptra matures before the sporophyte cuticle in the moss *Funaria hygrometrica*. *American Journal of Botany* 99: 14–22. (doi: 10.3732/ajb.1100311; <http://www.amjbot.org/content/99/1/14.abstract>)
- 2013 Richard Spruce Award in recognition of 25 Years of Outstanding Research in Bryology. Awarded by The International Association of Bryologists. Natural History Museum London, July 2013.
- 2013 Tuckerman Award for best paper on lichenology published in the *Bryologist* in 2012 (volume 115), by the American Bryological and Lichenological Society: Magain, N., B. Goffinet & E. Sérusiaux. 2012. Further photomorphs in the lichen family Lobariaceae from Reunion (Mascarene archipelago) with notes on the phylogeny of *Dendriscoaulon* cyanomorphs. *The Bryologist* 115: 243–254.
- 2013 University of Connecticut Alumni Association: Faculty Excellence in Research and Creativity Excellence in Research Award (Sciences)
- 1999 Stanley Greene Award (International Association of Bryologists) (research award \$2,000)
- 1996 Marie Louise Imrie Graduate Student Award (Research Travel; University of Alberta)
- 1995 A.J. Sharp Award (American Bryological and Lichenological Society; best student paper)

FELLOWSHIPS

- 1993/1994 University of Alberta Dissertation Fellowship
- 1990 Foundation Alice Seghers (Travel support; University of Liège)

EXTRAMURAL RESEARCH GRANT SUPPORT

(total: \$4,031,636; at & to UCONN: \$3,841,636; total collaborative: \$6,453,590)

- 2018–2021 National Science Foundation (DEB-1753811) \$605,327
Collaborative Proposal: Diversity of *Physcomitrium pyriforme* in North America and Europe: significance of autopolyploidy within a phylogenomic and experimental framework. (Collaborators: Dr. M. Johnson, Texas Tech & R. Medina, Augustana College; total award \$1,151,754).
- 2016–2019 National Science Foundation (DBI-1561640) \$499,850
CSBR: Ownership Transfer: Securing the future and accessibility of the Carl W. and Marian E. Rettenmeyer Army Ant Guest Collection. (PI: Dr. J. Caira; Co-PI: Drs. J. O’Donnell & B. Goffinet).

2014–2017	National Science Foundation (DEB-1354631) Collaborative Research: Starting from scratch with <i>Sticta</i> : Evolution, diversification, and conservation of a megadiverse flagship lichen genus. (Collaborators: Drs. T. Lumbsch & R. Lücking, The Field Museum; total award \$497,861).	\$223,000
2013–2016	National Science Foundation (DEB-1240045) Collaborative Research: AToL: Assembling the Pleurocarp Tree of Life: Resolving the rapid radiation using genomics and transcriptomics. (Collaborators: Dr. A.J. Shaw, Duke & Dr. N. Wickett, Chicago Botanical Garden; total award: \$1,364,397)	\$484,948
2012	National Science Foundation (DEB-1212505) Funding for support of graduate students to attend joint international conferences on molecular systematics of bryophytes and bryophyte genomics, and for professional development for 4-12 science teachers In NY in June 2012. (co-PI: Drs. Amy Litt, DorothyBelle Poli & William R. Buck).	\$38,080
2012–2015	National Science Foundation (DEB-1146295) Rapid radiation and sporophyte evolution in the Funariaceae: inferences from phylogenomics and cross generational cuticle development studies	\$531,550
2009–2012	National Science Foundation (DEB 0919284) (Co-PI: Dr. C. Jones; UCONN) Reduction & reversal in the Funariaceae: phylogenetic perspective on sporophyte complexity and role of the calyptra.	\$599,242
2006–2012	National Science Foundation (EF 0531557) ATOL, Collaborative: Assembling the liverwort tree of life: window into the evolution of early land plants. (Six institutions, total award \$2,839,578). REU supplements 2007 (\$6,500), 2008 (\$7,000) and 2009 (\$8,500)	\$573,075
2001–2004	National Science Foundation (DEB 0089633) Collaborative: Phylogenetic and geographic patterns in moss diversity. (Collaborative grant with Duke; total award \$600,000).	\$22,000 \$264,564
1998–2001	National Science Foundation Morphological and molecular investigations in the Orthotrichae (Orthotrichaceae, Bryopsida)	\$190,000
1995	(PI: Dr. A.J. Shaw-DUKE; N.B.: I was responsible for the project; Duke does not allow a post-doc to be a PI) Alberta Natural Heritage	C\$ 2,475
1996	Alberta Natural Heritage	C\$ 2,475
1992–1994	National Geographic Society (Official PI: D.H. Vitt, Dissertation project, National Geographic did not allow graduate students to be PI on grants)	C\$ 17,000

EXTRAMURAL RESEARCH GRANT SUPPORT FOR Ph.D. STUDENTS **\$40,896**

2013–2015	National Science Foundation (DEB 1311405) Doctoral Dissertation Improvement Grant (thesis by Lily Lewis, co-PI): Resolving bipolar phylogeographic histories in dispersal limited mosses: a RAD-Seq approach	\$19,753
2009–2011	National Science Foundation (DEB 0910258) Doctoral Dissertation Improvement Grant (thesis by Juan Carlos Villarreal): Genetic consequences of the shift to asexuality in bryophytes: insights from the hornwort <i>Megaceros aenigmaticus</i> .	\$9,594
2004–2006	National Science Foundation (DEB 0408043) Doctoral Dissertation Improvement Grant (thesis by Norman Wickett): Chloroplast evolution of the non-photosynthetic liverwort <i>Cryptothallus mirabilis</i> (Aneuraceae).	\$11,549

INTRAMURAL GRANT SUPPORT (University of Connecticut) **\$206,473**

2019	R. Jack Schultz Faculty Research Fund. Understanding plant evolution through a new	
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	moss reference genome (Drs. Jill Wegrzyn and Bernard Goffinet)	\$1,500
2017	Comparative genomics and transcriptomics of closely related mosses with contrasting architectural complexities (co-PI J. Wegrzyn)	\$49,940
2016	Using digital image acquisition to enhance plant biodiversity education Jones (PI), Diggle, Goffinet, Lewis, Les (co-PIs). CETL Provost Teaching Innovation Mini Grant competition.	\$5,000
2011	Rapid radiation and sporophyte evolution in the Funariaceae (Mosses): inferences from phylogenomics	\$21,000
2010	Assembling chloroplast genomes and screening microsatellite loci from total genomic liverwort 454 sequences	\$23,373
	Equipment grant: upgrade of automated capillary sequencer (co-PI)	\$33,000
2007	Surveying loci for resolving the phylogeny of Funariaceae (PI)	\$935
2005	Providing a phylogenetic and ontogenetic framework for functional genomics studies in the model species <i>Physcomitrella patens</i> .	\$14,625
2002	Support for organizing ABLS conference in Storrs 2003	\$2,100
2000	Equipment grant: Acquiring an automated capillary sequencer (co-PI)	\$55,000

FORMAL COLLABORATIVE PROJECTS WITH FUNDING AT OTHER INSTITUTIONS

2005	National Geographic Society (7942-05) Award to Robert Raguso (with Paul Marino and Bernard Goffinet as Co-PIs); Odor, color and fly-mediated spore dispersal in dung mosses (Splachnaceae).	\$23,806.83
1991	National Geographic Society The geographic distribution and ecological preferences of the epiphytic moss genus <i>Macromitrium</i> in the neotropical montane forests". (this grant was awarded to Dr. Dale Vitt, as NGS did not at that time allow graduate students to be PIs).	C\$14,600

TEACHING

Courses developed and taught at the University of Connecticut:

2022	Seminar on Botanical Nomenclature
2020, 2022	Writing in Evolution (EEB2245W)
2020	undergraduate seminar "Introduction to Genome science", co-taught
2002	seminar "Molecular Evolution and Adaptive Radiation"
1999–present	Introduction to Botany (BIO 1110; includes a laboratory)
1999–present	Biology of Bryophytes and Lichens (EEB3240/5240; includes a laboratory)
1999–present	Evolution of Green Plants (EEB 3220/5220) co-taught with Dr. Louise Lewis
irregularly	seminar on bryophyte biology

Invited lecturer (lecture of selected topics)

2022	Basic and applied lichenology. Virtual course offered by University of Magallanse, Chile; co-instructor.
2009–present	University of North Texas, Biocultural conservation (annual)
2014–present	EEB 5500 1 credit course Introduction to Natural History Collections (every semester)
2010–2013, 2015, 2017– 2019	Fields of Technology (UCONN, Dept. of Modern Languages, GERM 3222)
2011	Topics in Modern Biology (UCONN, BIO1109)

2009, 2010, 2018 Introduction to Undergraduate Research (UCONN, BIO2289)
1997 Duke University, Biology of Bryophytes
1995 University of Alberta, Biology of Fungi
1994 University of Alberta, Biology of Bryophytes
1992 Faculté St. Jean (Edmonton, AB), Introduction to Biology

Additional courses

2003 Field course on Cryptogams of Southern Patagonia (developed the lectures)

PROFESSIONAL SERVICES

ELECTED POSITIONS

2015–2023 President of International Association of Bryologists (IAB)
2010–2012 ABLs executive committee
2003–2005 ABLs member-at-large

EDITORIAL BOARDS

Editor

2010–2012 *The Bryologist* (American Bryological and Lichenological Society [i.e., ABLs])

Associate editor:

2020 Special issue editor for *Plant and Fungal Systematics* (Festschrift for Dr. E. Sérusiaux)
Special issue editor for *Frontiers in Plant Sciences* (Highlights of IAB IMOSS SEB 2019 Joint Conference)
2014–present *Bryophyte Diversity and Evolution* (formerly *Tropical Bryology*; published by International Association of Bryologists)
2013–2019 *The Bryologist* (ABLs)
1999–2019 *Cryptogamie-Bryologie* (Paris, France)

Editorial board

2017–present *Plant and Fungal Systematics* (formerly Polish Journal of Botany)
2016–present *Anatolian Bryology* (Turkey)
2014–present *Plant Diversity* (formerly *Plant Diversity and Resources*, *Acta Botanica Yunnanica*; CAS Kunming Institute of Botany, China)
2010–present *Plant Ecology and Evolution* (formerly Belgian Journal of Botany, Brussels, Belgium)
2001–present *Anales de Biología* (University of Murcia, Spain)

CONFERENCES

2021 Co-Chair of organizing committee of the biennial meeting of the International Association of Bryologists (joint meeting with Canadian Botanical Association, American Bryological and Lichenological Association and Société Québécoise de bryologie). Québec, Canada, July 6–9, 2021 (virtual).
2017 Organizer (with Dr. Dietmar Quandt, University of Bonn, Germany) of symposium entitled “The Moss Tree of Life: Phylogenomic approaches to reconstruct moss

- evolution, diversification, biogeography and biotic interactions” at the International Botanical Congress in Shenzhen, China, July 23–29, 2017.
- Co-organizer (with Dr. Yang Liu) of symposium entitled “Plant organellar genomics and phylogenomics driven by NGS approaches” at the International Botanical Congress in Shenzhen, China, July 23–29, 2017.
- 2016 Co-organizer (with Dietmar Quandt, University of Bonn, Germany). 2nd international conference on pleurocarp systematics. Nees Institute for Plant Biodiversity, University of Bonn, Germany, June 9–12. <https://www.pleurocarps.nees.uni-bonn.de/home>
- 2015 Co-organizer (with Francisca Massardo, Universidad de Magallanes; Andrés Mansilla, Universidad de Magallanes; Ricardo Rozzi, University of North Texas; Mary Kalin Arroyo, Institute of Ecology and Biodiversity (TBC); Juan Armesto, Institute of Ecology and Biodiversity (TBC); Francisco Squeo, Institute of Ecology and Biodiversity (TBC); Lohengrin Cavieres, Institute of Ecology and Biodiversity (TBC). Biennial meeting of the International Association of Bryologists. Subantarctic Chile, Navarino Island. January 2015.
- 2012 Co-organizer (with Drs. DorothyBelle Poli—Roanoke college; Amy Litt and William Buck—New York Botanical Garden). Moss 2012 (Bryophyte Genomics meeting) and 3rd International Symposium on Molecular Systematics of Bryophytes (Evolution and diversification of bryophytes: insights from genes and genomes). New York Botanical Garden, Bronx, NY, June 16-22, 2012.
- 2011 Co-organizer (with Dr. A.J. Shaw—Duke University) of symposium entitled “Phylogeny and evolution of liverworts: a window into early land plant diversification” at the XVIII International Botanical Congress in Melbourne, Australia, July 2011.
- 2004 Member of Academic committee for the International Association of Bryologists meeting in Meridad, Venezuela (January 2004); symposium on Molecular Evolution in Bryophytes.
- 2003 Co-organizer (with Dr. R. Magill—Missouri Botanical Garden) of international symposium “Molecular Systematics of Bryophytes: Progress, Problems and Perspectives”, Missouri Botanical Garden, St. Louis, Sept. 6&7, 2003.
- 2002 Organizer of the Annual meeting of the American Bryological and Lichenological Society in Storrs, CT (July 23-29, 2002).
- 1999 Co-organizer (with Dr. T. Hedderson—University of Reading, UK) of symposium entitled “Evolutionary Biology of the Bryopsida (Mosses)”: A synthesis” at the XVI International Botanical Congress in St. Louis, Missouri.

SERVICES TO PROFESSIONAL SOCIETIES

- 2018 Adjudication committee for ABLS Anderson & Crum award (student research)
- 2017–present International Committee for Botanical Nomenclature: Bryophyte Committee
Adjudication committee for ABLS Anderson & Crum award (student research)
- 2014 Adjudication committee for ABLS best student presentation
Adjudication committee for ABLS Anderson & Crum award (student research)
- 2013–present Adjudication committee for ABLS Tuckerman and Sullivant awards (best paper in The Bryologist)
- 2009 International Association of Bryologists (IAB): Adjudication committee: Richard Spruce award for important contributions to bryology, within the first 25 years of one’s career
- 2007 IAB: Adjudication committee (chair) for Stanley Greene Award
IAB: Adjudication committee (chair) for student travel award

- 2005 IAB: Adjudication committee for Hedwig Medal award for life-time contributions to Bryology
- 2001 Adjudication committee: Hedwig Medal award for life-time contributions to Bryology
- 2000 American Bryological and Lichenological Society (ABLS): Adjudication committee: A.J. Sharp award for best student presentation

SERVICES TO OTHER INSTITUTIONS

- 2012 University of Helsinki, Finland. Outside member of search committee for curator of cryptogams position

SERVICES TO CONNECTICUT ACADEMY OF SCIENCE AND ENGINEERING

- 2017 Adjudication committee for Connecticut Medal of Science

PEER REVIEWS

Acta Bryolichenologica Asiatica, Action Bioscience (AIBS website), American Journal of Botany, Annales Botanici Fennici, Annals of Botany, Annals of the Missouri Botanical Garden, Antarctic Science, Australian Systematic Botany, Biochemical Systematics and Ecology, Bioscience, Botanical Journal of the Linnean Society, Brittonia, Bryologist, Bryophyte Diversity and Evolution, Canadian Journal of Botany (now Botany), Critical Review in Plant Sciences, Cryptogamie—Bryologie, Current Biology, Edinburgh Journal of Botany, Evolution, Fieldiana, Flora North America (Bryophytes), Freshwater Biology, Graphis Scripta, Heredity, Herzogia, International Journal of Plant Sciences, Journal of Biogeography, Journal of Bryology, Journal of Molecular Biology, Journal of Molecular Evolution, Lichenologist, Mitochondrial DNA Part B: Resources, Molecular Phylogenetics and Evolution, MycoKeys, Mycologia, New Phytologist, New Zealand Journal of Botany, Nordic Journal of Botany, Opuscula Philolichenum, Phytotaxa, Plant and Fungal Systematics, Plant Molecular Biology, Plant Systematics and Evolution, PLOS ONE, Polish Botanical Journal, Rhodora, Rodriguésia, Science, Scientific Reports, Systematic Botany, Systematic Biology, Taxon, Trends in Plant Science, Vegetatio.

GRANT PROPOSAL REVIEW

Austrian Science Foundation, Dutch Research Foundation, National Foundation for Scientific Research (Belgium), National Geographic Society, National Science Foundation (USA; DEB, OPUS, Graduate Research Fellowship Program panel), South African National Research Foundation, Swiss National Science Foundation, Synthesis (Synthesis of Systematic Resources; European Union), and University of Connecticut Research Foundation.

UNIVERSITY SERVICE

DEPARTMENTAL

- Director of Biodiversity Research Collections (2006–present)
- Director (interim) CONN herbarium (2019–present)
- Committees: best dissertation (2017), biology 1000s (2018–present), brochure (2019), collections (2002–present), course and curriculum (2005–2014), graduate student admission committee (2006–2012, 2013–2021), greenhouse (2019–present); head advisory (2013–fall), herbarium (1999–present), new building committee (2013–present), poster (1999–2000), promotion & tenure (2014, 2015, 2022), search committee (herbarium manager position: 2004; 2006; 2017; genomics: 2011; invertebrate collection manager: 2019; living plant collection manager: 2020; vascular plant evolutionary biologist [co-chair]: 2021), self—review (graduate program: 2012; associate chair: 2012), seminar (1999–2010), summer research awards (2005, 2006, 2019)
- Other: bookkeeper for Automated Sequencer (billing; 2001–present)

Co-organizer of annual welcoming event for incoming graduate students (2001, 2002, 2004, 2005)

COLLEGE COMMITTEES

CLAS Dean Academic Advisory Board (2015–2016)

CLAS-PTR committee (2022–)

Building committee for Biology under Next Gen CT (2013–2014; 2015–present)

Search committee for BCS grants and contracts specialist (Fall 2010)

UNIVERSITY COMMITTEES

Collections committee (2018–present)

General Education Oversight committee (co-chair Science and Technology subcommittee; 2015–2019)

Office of Sponsored Programs Advisory committee (2006)

Parking Appeals Review committee (2017–2019)

Parking advisory committee (2014–2016)

Reviewer for Vice Provost's Research Excellence funding program (2016)

Search committee for International advisor (Winter 2002–2003)

University Senate (2016–2017)

PUBLICATIONS (219 [9 books, 16 chapters, 171 peer-reviewed and 12 non-peer reviewed publications, and 11 book reviews])

THESES

Goffinet, B. 1997. Circumscription and phylogenetic trends in the Orthotrichales (Bryopsida). Ph.D. dissertation. University of Alberta, Edmonton, Canada.

Goffinet, B. 1989. La végétation épiphytisque de la hêtraie du Rurbusch. Bases écologiques nouvelles pour la gestion de la Réserve forestière. Mémoire de licence. Université de Liège, Liège, Belgium.

BOOKS

9. Rozzi R., F. Massardo, A. Mansilla, F.A. Squeo, E. Barros, T. Contador, M. Frangopulos, E. Poulin, S. Rosenfeld, **B. Goffinet**, C. González-Weaver, R. MacKenzie, R.D. Crego, F. Viddi, J. Naretto, M.R. Gallardo, J.E. Jiménez, J. Marambio, C. Pérez, J.P. Rodríguez, F. Méndez, O. Barroso, J. Rendoll, E. Schüttler, J. Kennedy, P. Convey, S. Russell, F. Berchez, P.Y.G. Sumida, P. Rundell, A. Rozzi, J. Armesto, M. Kalin-Arroyo & M. Martinic. 2017. Parque Marino Cabo de Hornos — Diego Ramirez. Informe Técnico para la Propuesta de Creación. Programa de Conservación Biocultural Subantártica, Ediciones Universidad de Magallanes, Punta Arenas, Chile. Available at https://issuu.com/umag9/docs/ebook_low_parque_marino_umag_fin_di

8. Rozzi R., L. Lewis, F. Massardo, Y. Medina, K. Moses, M. Ménendez, L. Sancho, P. Vezzani, S. Russell & **B. Goffinet**. 2012. *Ecotourism with a Hand Lens in the Omora Park*. 190 p. Photography by Adam M. Wilson and collaborators. Sub-Antarctic Biocultural Conservation Program, Universidad de Magallanes - University of North Texas. Ediciones Universidad de Magallanes.

7. **Goffinet B.**, R. Rozzi, L. Lewis, W.R. Buck, & F. Massardo. 2012. *Miniature Forest of Cape Horn/Los Bosques en Miniatura del Cabo de Hornos. Ecotourism with a hand lens/Ecotourismo con lupa*. 445 p. University of North Texas Press (Denton, TX) & Ediciones Universidad de Magallanes (Punta Arenas, Chile).

6. Vanderpoorten A. & **B. Goffinet**. 2009. *Introduction to Bryophyte Biology*. 303 p. Cambridge University Press. Cambridge, UK.

5. **Goffinet B.** & A.J. Shaw (eds.). 2009. *Bryophyte Biology* (2nd edition). 565p. Cambridge University Press. Cambridge, UK. (completely revised edition of Shaw & Goffinet 2000, with 6 revised chapters, and 6 new chapters).
4. **Goffinet B.**, W. R. Buck, P. Massardo & R. Rozzi. 2006. The Miniature Forests of Cape Horn. Fantastico Sur - Universidad de Magallanes. 255 p. Punta Arenas, Chile.
3. **Goffinet B.**, V. Hollowell & R. Magill (eds.). 2004. *Molecular Systematic of Bryophytes*. Monographs in Systematic Botany from the Missouri Botanical Garden 98: 1–448.
2. Shaw A.J. & **B. Goffinet** (eds.). 2000. *Bryophyte Biology*. 476 p. Cambridge University Press. Cambridge, UK.
1. **Goffinet B.** & U. Penz. 1991. *Im Wallonischen Venn*. German translation of: Frankard, Ph. *et al.* (1990). *Promenades en Fagne wallonne*. 141 pp. ASBL Hautes-Fagnes, Belgium.

BOOK CHAPTERS AND CONTRIBUTIONS

16. Sánchez-Jardón L., **B. Goffinet** & R. Rozzi. 2020. Pioneros Vegetales. Pages 194–195. In: R. Rozzi, F. Morello, F. Massardo & C. Aldunate (eds.), *Estrecho de Magallanes: Tres Descubrimientos*. Santiago, Chile: Colección Santander, Museo de Chileno de Arte Precolombino. <https://museo.precolombino.cl/wp-content/uploads/2020/11/Estrecho-de-Magallanes.-Tres-descubrimientos.pdf> (whole book)
15. Rozzi R., M.T. La Valle, S. Russell, **B. Goffinet** & F. Massardo. 2020. Ecotourism with a hand-lens: a field environmental philosophy experience from the South of the world. Pages: 222–239. In: R. Frodeman & E. Brister (eds.), *A Guide to Field Philosophy. Case Studies and Practical Strategies* (1st edition). Routledge, a Taylor and Francis Group.
14. **Goffinet B.** & W. R. Buck. 2013. The evolution of body form in bryophytes. Pages 51–90. In: B. Ambrose and M. Puruganan (eds.), *The Evolution of Plant Form*. Wiley–Blackwell. *Annual Plant Reviews* 45: 51–90. (doi: 10.1002/9781118305881.ch2).
13. **Goffinet B.**, W.R. Buck & A.J. Shaw. 2009. Morphology and classification of the Bryophyta. Pages 55–138. In: B. Goffinet & A.J. Shaw (eds.), *Bryophyte Biology, 2nd edition*. Cambridge University Press.
12. **Goffinet B.** 2007. *Aphanorrhagma* Sull. *Physcomitrella* Bruch & Schimper, *Pyramidula* Bridel and *Rhachithecium* Le Jolis. Pages: 181–182, 194–195, 199 and 468–469, respectively. In: Flora of North America Editorial Committee, eds. 1993+. *Flora of North America North of Mexico, volume 27*. New York and Oxford.
11. Vanderpoorten A., **B. Goffinet** & D. Quandt. 2006. Utility of the internal transcribed spacers of the 18S-5.8S-26S nuclear ribosomal DNA in land plant systematics with special emphasis on Bryophytes. Pages 385–407. In: A.K. Sharma & A. Sharma (eds.), *Plant Genome: Biodiversity & Evolution*. Volume 2B: Lower plants. Science Publishers, Enfield NH.
10. **Goffinet B.** 2006. Splachnobryaceae. Pages 159–162. In: P. McCarthy (ed.), *Flora of Australia, volume 51: Mosses 1*. Australian Biological Resources Study and CSIRO Publishing.
9. **Goffinet B.** 2006. Splachnaceae. Pages 173–181. In: P. McCarthy (ed.), *Flora of Australia, volume 51: Mosses 1*. Australian Biological Resources Study and CSIRO Publishing.
8. **Goffinet B.**, A.J. Shaw, C.J. Cox, N. J. Wickett, & S. Boles. 2004. Phylogenetic inferences in the Orthotrichoideae (Orthotrichaceae: Bryophyta) based on variation in four loci from all genomes. Pages 270–289. In: **B. Goffinet**, V. Hollowell & R. Magill (eds.), *Molecular Systematic of Bryophytes*. Monographs in Systematic Botany from the Missouri Botanical Garden 98.
7. **Goffinet B.**, & W.R. Buck. 2004. Systematics of Bryophyta: from molecules to a revised classification. Pages 205–239. In: **B. Goffinet**, V. Hollowell & R. Magill (eds.), *Molecular Systematic of Bryophytes*. Monographs in Systematic Botany from the Missouri Botanical Garden 98.

6. Sérusiaux E. & **B. Goffinet**. 2000. Lichens et Bryophytes sur le site de la Makandé. Pages 68–89. In: F. Hallé (ed.), *Biologie d'une canopée de forêt équatoriale - IV. Rapport de la mission du radeau des cimes à la Makandé, forêt des Abeilles, Gabon*. Janvier - Mars 1999. Pro Natura International.
5. **Goffinet B.** 2000. Origin and phylogenetic relationships of the Bryophyta. Pages 124–149. In: A. J. Shaw & **B. Goffinet** (eds.), *Bryophyte Biology*. Cambridge University Press.
4. Buck W.R. & **B. Goffinet**. 2000. Morphology and classification of mosses. Pages 71–123. In: A. J. Shaw & **B. Goffinet** (eds.), *Bryophyte Biology*. Cambridge University Press.
3. **Goffinet B.**, and T. Goward. 1998. Is *Nephroma silvae-veteris* the cyanomorph of *Lobaria oregana*? Insights from molecular, chemical and morphological characters. Pages 41–52. In: M.G., Glenn, R.C. Harris & M.S. Cole (eds.), *Lichenographia Thomsoniana: North American Lichenology in Honor of John W. Thomson*. Mycotaxon Ltd, Ithaca NY.
2. **Goffinet B.** & D.H. Vitt. 1998. A revised classification of the Orthotrichales (Bryopsida) based on comparative morphology and a *rbcl* based phylogeny. Pages 143–159. In: J.W. Bates, N.W. Ashton & J.G. Duckett (eds.), *Bryology for the Twenty-First Century*. Proceedings of the Centenary Symposium of the British Bryological Society. Leeds: Maney and The British Bryological Society.
1. Vitt D.H., **B. Goffinet**, & T.A. Hedderson. 1998. The ordinal classification of the mosses: Questions and answers for the 1990's. Pages 113–123. In: J.W. Bates, N.W. Ashton & J.G. Duckett (eds.), *Bryology for the Twenty-First Century*. Proceedings of the Centenary Symposium of the British Bryological Society. Leeds: Maney and The British Bryological Society.

REFEREED PUBLICATIONS

Published

174. He S., J.R. Shevock, N. Patel, O. Lemieux & **B. Goffinet**. Rediscovery of *Florschuetziella scaberrima* (Bryophyta, Orthotrichaceae) a century after its description leads to its transfer to *Leratia*. *Bryophyte Diversity and Evolution* (accepted Sept. 22, pending minor revisions).
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29. **Goffinet B.** & A.J. Shaw. 2002. Independent origins of cleistocarpy in the Splachnaceae: analyses of cpDNA sequences and polyphyly of the Voitiioideae (Bryophyta). *Systematic Botany* 27: 203–208.
28. Vanderpoorten A., A.J. Shaw & **B. Goffinet**. 2001. Testing controversial alignments in *Amblystegium* and related genera (Amblystegiaceae: Bryopsida). Evidence from rDNA ITS sequences. *Systematic Botany* 26: 470–479.
27. **Goffinet B.**, C.J. Cox, A.J. Shaw & T.A. Hedderson. 2001. The Bryophyta (Mosses): Systematic and evolutionary inferences from a *rps4* gene (cpDNA) phylogeny. *Annals of Botany* 87: 191–208.
26. Buck W.R., **B. Goffinet** & A.J. Shaw. 2000. Novel relationships in pleurocarpous mosses as revealed by cpDNA sequences. *The Bryologist* 103: 774–789.
25. Goward T. & **B. Goffinet**. 2000. *Peltigera chionophila*, a new lichen (Ascomycetes) from the western cordillera of North America. *The Bryologist* 103: 493–498.
24. Shaw A.J. & **B. Goffinet**. 2000. Molecular evidence of reticulate evolution in the peatmosses (*Sphagnum* L.), including *S. ehyalinum* n. sp. *The Bryologist* 103: 357–374.
23. Cox C., **B. Goffinet**, A.E. Newton, A.J. Shaw & T.A.J. Hedderson. 2000. Phylogenetic relationships among the diplolepideous-alternate mosses (Bryidae) inferred from nuclear and chloroplast DNA sequences. *The Bryologist* 103: 224–241.
22. **Goffinet B.** & C. Cox. 2000. Phylogenetic relationships among basal-most arthrodontous mosses with special emphasis on the evolutionary significance of the Funariineae. *The Bryologist* 103: 212–223.
21. Newton A.E., C. Cox, J. G. Duckett, J. Wheeler, **B. Goffinet**, T.A.J. Hedderson & B.D. Mishler. 2000. Evolution of the major moss lineages. *The Bryologist* 103: 187–211.

20. Buck W.R., **B. Goffinet** & A.J. Shaw. 2000. Testing morphological concepts of orders of pleurocarpous mosses (Bryophyta) using phylogenetic reconstructions based on *trnL-trnF* and *rps4* sequences. *Molecular Phylogenetics and Evolution* 16: 180–198.
19. **Goffinet B.** & H. Greven. 2000. *Grimmia indica* (Grimmiaceae), a new combination. *Journal of Bryology* 22: 141.
18. **Goffinet B.**, A.J. Shaw, L.E. Anderson & B.D. Mishler. 1999. Peristome development in mosses in relation to systematics and evolution. V. Orthotrichaceae. *The Bryologist* 102: 581–599.
17. **Goffinet B.** & J. Miadlikowska. 1999. *Peltigera phyllidiosa* (Peltigeraceae, Lichenized Ascomycota), a new morphological species from Eastern North America corroborated by ITS sequences. *The Lichenologist* 31: 247–256.
<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=954116>
16. **Goffinet B.** 1999. *Brachymitrium immersum* (Splachnaceae, Musci) a new species from Cameroon. *The Bryologist* 102: 108–111.
15. **Goffinet B.**, R.J. Bayer & D.H. Vitt. 1998. Circumscription and phylogeny of the Orthotrichales (Bryopsida) inferred from *rbcL* sequence analysis. *American Journal of Botany*: 85: 1324–1337.
14. Hodgetts N. and **B. Goffinet**. 1998. *Hypnodontopsis mexicana* (Thér.) H. Rob. (Rhachithecaceae), a genus and species new to Africa. *Journal of Bryology* 20: 251–252.
13. **Goffinet B.** 1998. *Jonesibryum sphaerocarpum* Allen and Pursell (Musci: Rhachithecaceae) new to the Central African Republic. *Journal of Bryology* 20: 242–243.
12. **Goffinet B.** 1998. A reconsideration of the affinities of *Kleioweisiopsis*, *Pleurozygodontopsis*, *Trigonodictyon*, and the Microtheciellaceae (Bryopsida, Orthotrichales). *Journal of Bryology* 20: 69–81.
11. **Goffinet B.** 1997 (1998). The Rhachithecaceae: Revised generic circumscription and ordinal affinities. *The Bryologist* 100: 425–439.
10. **Goffinet B.** & R.J. Bayer. 1997. Characterization of mycobionts of photomorph pairs in the Peltigerineae (lichenized Ascomycetes) based on ITS sequences of specifically amplified fungal ribosomal DNA. *Fungal Genetics and Biology* 21: 228–237.
<http://www.sciencedirect.com/science/article/pii/S1087184597909774>
9. **Goffinet B.** 1996. *Cardotiella elimbata* (Thér.) *comb. nov.*, and *C. appendiculata* new to Mauritius (Musci, Orthotrichaceae). *The Bryologist* 99: 390–396.
8. Goward T., **B. Goffinet** & O. Vitikainen. 1995. Synopsis of the genus *Peltigera* (Lichenes, Ascomycotina) in British Columbia with a key to the North American species. *Canadian Journal of Botany* 73: 91–111. <http://www.nrcresearchpress.com/doi/abs/10.1139/b95-012#.UPgiYraedQo>
7. **Goffinet B.** & R. Hastings. 1995. Two new sorediate taxa of *Peltigera* (Lichenized Ascomycetes). *The Lichenologist* 27: 43–58.
6. **Goffinet B.** & R. Hastings. 1994. The lichen genus *Peltigera* (lichenized Ascomycetes) in Alberta. *Provincial Museum of Alberta Natural History Occasional Paper No. 21*: i–vi + 1–54.
5. **Goffinet B.**, E. Sérusiaux, and P. Diederich. 1994 (1995). Le genre *Peltigera* (Lichenes) en Belgique et au Grand-Duché de Luxembourg. *Belgian Journal of Botany* 127: 184–206.
4. **Goffinet B.** 1994. Floristic notes on the lichen and lichenicolous fungi flora of Alberta, Canada. *Mycotaxon* 51: 1–4.
3. **Goffinet B.** 1993. Taxonomic and floristic notes on neotropical Macromitrioideae (Orthotrichaceae). *Tropical Bryology* 7: 149–154.

2. Goward T. & **B. Goffinet**. 1993. *Nephroma silvae-veteris*, a new lichen (Ascomycotina) from the Pacific Northwest of North America. *The Bryologist* 96: 242–244.
1. **Goffinet B.** 1992. Deux lichens nouveaux pour la Belgique: *Bryoria subcana* (Nyl. ex Stizenb.) Brodo & D. Hawksw. et *Micarea melaena* (Nyl.) Hedl. *Dumortiera* 51: 19–21.

DISTRIBUTION RECORDS AND OTHER NON-REVIEWED PUBLICATIONS

12. Villarreal J.C., **B. Goffinet**, M. von Konrat, M. Favreau, N. Fenton & S. Schuette. 2021. Program and abstracts of “BL2021 Bryophytes, lichens, and northern ecosystems in a changing world” of the joint virtual meeting of the International Association of Bryologists, American bryological and Lichenological Society, Canadian Botanical Association and Société québécoise de bryologie. Université Laval, Québec, Canada. *Special issue of the Bryological Times* 152: 1–178.
11. Cole T.C.H., H.H. Hilger, J.B. Bachelier, **B. Goffinet**, P.F. Stevens, N.M. Shiyan, S.L. Zhygalova & S.L. Mosyakin. Spanning the Globe – The Plant Phylogeny Poster (PPP) Project. *Ukrainian Botanical Journal: Short Communication* 78(3): 235–241. <https://doi.org/10.15407/ukrbotj78.03.235>
10. Kapoor M., J.G. Duckett, S. Rensing & **B. Goffinet**. 2021. Editorial: Highlights 1 of IAB IMOSS SEB 2019 Joint Conference. *Frontiers in plant Sciences* 12: 694765.
9. Magain N., D. Ertz, **B. Goffinet** & P. Diederich. 2020. Forty-five years of lichenology: a tribute to Emmanuël Sérusiaux. *Plant and Fungal Systematics* 65: 2–12. <https://doi.org/10.35535/pfsyst-2020-0002>
8. von Konrat M., **B. Goffinet**, Y. Rodriguez, B. McDonald, C. Zapata, M. Enkhbayer, E. Arnett, J. Harris & J. Martinec. 2019. Abstracts from the 2019 joint conference between the International Association of Bryologists, the Spanish Bryological Society, and the International Molecular Moss Science Society. *Special issue of the Bryological Times* 49: 1–100.
7. Rozzi R., L. Lewis, F. Massardo & **B. Goffinet**. 2015. Luupidega ökoturism samblafloora väärtustamiseks: ülelutse Lõunast. [Ecotourism with a hand-lens to appreciate the bryoflora: an invitation from the South.] *Samblasöber* 18: 2–13. <http://www.botany.ut.ee/bruoloogia/Rozzi.etal.SS.2015.pdf>
6. **Goffinet B.** 2004. Bibliography of systematic and population genetic studies of Bryophytes based on DNA data. III. *Cryptogamie, Bryologie* 25: 385–390.
5. **Goffinet B.** 2003. Bibliography of systematic and population genetic studies of Bryophytes based on DNA data. II. *Cryptogamie, Bryologie* 24: 181–185.
4. **Goffinet B.**, R. Rosentreter, and E. Sérusiaux. 2001. A second locality for *Xanthoparmelia idahoensis* Hale, an endangered vagrant lichen, new to Canada. *Evansia* 18: 58–59.
3. **Goffinet B.** and N.P. Hax. 2001. Bibliography of "molecular systematic" studies of bryophytes. I. 1985–2000. *Cryptogamie — Bryologie* 22: 1–7.
2. **Goffinet B.** and T.A.J. Hedderon. 2000. “Evolutionary biology of the Bryopsida: A synthesis”. Introduction. *The Bryologist* 103: 185–186.
1. **Goffinet B.** 1992. The North American distribution of *Peltigera retifoveata*. *Evansia* 9:49–51.

BOOK REVIEWS

11. Medina R. & **B. Goffinet**. 2014. Better shoes alone don't get you to your destination. Review of Zander, R. H. 2013. *A Framework for Post-Phylogenetic Systematics*. *The Bryologist* 117: 431–433.
10. **Goffinet B.** 2003. Review of *Biologie der Moose*. By Frahm J.-P. *The Bryologist* 106: 494–495.
9. **Goffinet B.** 2002. Review of *Lexikon deutschsprachiger Bryologen*. By Frahm J.-P. and J. Eggers. *The Bryologist* 105: 297–298
8. **Goffinet B.** 1999. Review of *American Arctic Lichen. 2. The Microlichens*. By J.W. Thomson. *The Bryologist* 102: 345–346.

7. **Goffinet B.** 1998. Review of *Macrolichens of the Pacific Northwest*. By B. McCune and P. Geiser. *The Bryologist* 101: 478.
6. **Goffinet B.** 1998. Review of *Flora of the Guianas. Series C. Bryophytes*. By Görts-van Rijn A.R.A. (ed.). *Nordic Journal of Botany* 18: 322.
5. **Goffinet B.** 1997. Review of *Niebla and Vermilacinia (Ramalinaceae) in California and Baja California*. By R.W. Spjut (1997). *Plant Science Bulletin* 43: 83–85.
4. **Goffinet B.** 1996. Review of *Die Moos- und Farnpflanzen Europas*. By Frey, W., J.-P. Frahm, E. Fischer, & W. Lobin (1995). *The Bryologist* 99: 379.
3. **Goffinet B.** 1994. Review of *The Lichens of Italy. An Annotated Catalogue*. By P.L. Nimis (1993). *Vegetatio* 116: 173.
2. **Goffinet B.** 1994. Review of *Monographic Studies in Orthotrichum (Musci)*. By J. Lewinsky (1993). *The Bryologist* 97: 464–465.
1. **Goffinet B.** 1993. Review of *Populationsbiologie der Pflanzen - Grundlagen - Probleme - Perspektiven*. By K.M Urbanska (1992). *Plant Science Bulletin* 39: 18–20.

OUTREACH AND EDUCATION MATERIAL

4. Taylor, S. & **B. Goffinet**. 2022. Herbarium Training Course. Bryophyte & Lichen Module Powerpoint available at <https://biodiversity.uconn.edu/herbarium-educational-resources/>
3. Parker, L. E., J. M. Budke & **B. Goffinet**. Mosses and the Plant Life Cycle (instruction on how to grow mosses for your classroom usage). Available at bryology.uconn.edu.
2. Swanson, J., J. M. Budke & **B. Goffinet**. 2012. Powerpoint presentation on allelopathy in plants, using *Sphagnum* mediated acidification as a model. Available at bryology.uconn.edu.
1. Swanson, J., J. M. Budke & **B. Goffinet**. 2011. A visit to the miniature forest. Insights into the biology and evolution of Bryophytes in Northeastern Connecticut. Printed at the University of Connecticut. 2nd edition (2012). Available at bryology.uconn.edu.

ELECTRONIC DISSEMINATION

2. Cole T.C.H., H.H. Hilger & **B. Goffinet**. 2019. Bryophyte Phylogeny Poster (BPP) *PeerJ Preprints* 7:e27571v3 <https://doi.org/10.7287/peerj.preprints.27571v3> (translated in 20 other languages and available on <http://www2.biologie.fu-berlin.de/sysbot/>).
1. **Goffinet B.**, W.R. Buck & A.J. Shaw. 2009 (last updated Jan. 2020). Classification of the Bryophyta. <https://bryology.uconn.edu/classification/> (classification now comprising 968 genera)

EXHIBIT

1. *Right Below Your Feet. A beautiful evolutionary success story*. An exhibit of nine 6-foot metal prints of mosses from North and South America, planned and produced by the Connecticut State Museum of Natural History in collaboration **B. Goffinet** and Mark Smith (Macroscopic Solutions). University of Connecticut, Fall 2020-Spring 2021.

PRESENTATIONS

INVITED SPEAKER AT CONFERENCES AND WORKSHOP

- | | |
|------|---|
| 2021 | Institute for System Genomics. University of Connecticut. November 8, 222. |
| 2020 | Congreso Futuro: Ideas Para un Nuevo Mundo. Coyhaique, Chile. January 17 th , 2020. |
| 2019 | Panelist at International launch of Chile's Sub-Antarctic Cape Horn Center. Chilean embassy, Washington DC, USA. October 17 th , 2019. |
| 2017 | 8 th Lichenological Symposium of China. Kunming, China, August 1 & 2, 2017. |

- 2014 Keynote lecture at the Annual Meeting for Plant Ecology and Evolution. Louvain-la-Neuve, Belgium. 14 November 2014.
- 2014 Plenary speaker at BioDivEvo 2014: 15th Annual Meeting of the Society of Biological Systematics (GfBS) and 22nd International Symposium "Biodiversity and Evolutionary Biology" of the German Botanical Society (DBG). Dresden, Germany, March 24–27, 2014.
- 2013 Evolution, genomics, and biology of bryophytes. A symposium organized by the "Botanische Staatssammlung München" on the occasion of its 200th anniversary, with support from the University of Munich (LMU) and the Botanical Garden of Munich, Germany; March 22, 2013.
- 2009 Encyclopedia of Life: synthesis meeting on Early Land Plants, May 26-29, 2009; Chicago, IL.
- 2006 Assembling the tree of life and Biotic Survey and inventories. NSF sponsored meeting at Duke University, March 10–12, 2006.
- 2005 Origin and Early Evolution of Land Plants: Current Perspectives. XVII International Botanical Congress, Vienna
- 2005 Molecular systematics of Bryophytes. XVII International Botanical Congress, Vienna
- 2004 Molecular Systematics of Bryophytes: University of Göttingen (Germany) 10-12 September
- 2003 Molecular systematics of Bryophytes: Progress, Problems and Perspectives. An international symposium sponsored by the Missouri Botanical Garden and the Deep Gene Research Coordination Network. St. Louis, September.
- 2000 Ecología y conservación de los Bosques del archipiélago Magallánico (ECOBAMG) University of Magallanes (Punta Arenas, Chile)
- 1999 *Evolutionary Biology of the Bryopsida* symposium at the XVI International Botanical Congress, St. Louis, MO.
- 1997 Green Plant Phylogeny Research Coordination Group, Montréal, Canada.
- 1996 British Bryological Society (BBS): Centenary Symposium on Bryology for the Second Century, Glasgow, UK.
- 1995 Current Status of the Phylogeny of the Charophytes, Green Algae and the Embryophytes Green Plant Phylogeny Research Coordination Group (GPPRCG - hosts: Drs. M. Buchheim, R. Chapman, and B. Mishler) Berkeley, CA.

INVITED SEMINARS

- 2022 Complutense University of Madrid, Faculty of Biology, Spain
Humboldt State University, California
- 2019 University of Chile, Department of Ecological Sciences, Santiago, Chile.
University of Liège, Département des Sciences de la Vie, Belgium
- 2017 Norwegian University of Science and Technology, Trondheim, Norway
- 2016 Department of Biology, Laval University, Québec, Canada
University of Liège, Département des Sciences de la Vie, Belgium
Arnold Arboretum, Harvard.
- 2013 Kunming Botanical Institute, Chinese Academy of Sciences, Yunnan, China
- 2010 Shanghai Normal University, China. 10th International Scholar's Forum. July 6th
- 2007 Museum d'Histoire Naturelle de Paris, France
- 2003 Central Connecticut State University

- 2000 Conservatoire et Jardins Botaniques, Geneva, Switzerland
Harvard, New England Botanical Club, Boston MA
- 1999 University of Xalapa, Department of Ecology, Mexico
Duke University, Department of Botany
- 1998 British Museum of Natural History, London, United Kingdom
University of Liège, Department of Botany, Belgium
University of Connecticut, Department of Ecology and Evolutionary Biology
University of Concepcion, Department of Natural Sciences, Chile
- 1997 Duke University, Department of Botany, Durham NC
- 1996 University of Alberta, Department of Biological Sciences, Edmonton, Canada

INTERNATIONAL AND NATIONAL MEETINGS WITH ASSOCIATED PUBLISHED ABSTRACTS

(note: this lists all presentations that I have been a co-author on, NOT the ones I have actually presented)

157. Mackenzie R, J. Maldonado, B. Riquelme del Río, Y. Liu, **B. Goffinet** & L. Pérez de Souza. 2022. Genome analysis of UV-B-perception and response in the subantarctic moss *Polytrichum strictum*. 4th Network Meeting of the UV4Plants Association, 3 – 6 July 2022 in Kraków, Poland.
156. Patel N., M. Johnson, R. Medina & **B. Goffinet**. 2022. Whole genome duplication and reticulate evolution in the *Physcomitrium pyriforme* species complex. Annual Meeting of the Botanical Society of America, Anchorage, AL, July 24–27, 2022. Abstract 766.
155. Simon A., **B. Goffinet**, D. Vanderpool, P. McCutcheon, N. Magain, E. Sérusiaux, Gulnara Tagirdzhanova & T. Spribille. 2022. The strange case of alternative associations in lichenized fungi: Dr Jekyll or Mr Hyde? 3rd annual CanFunNet Fungal Biology Conference, June 1-3.
154. Medina R., M. Johnson, N. Patel & **B. Goffinet**. 2021. Lessons learned and future directions in Funariaceae systematics using high-throughput sequencing and target capture. Annual meeting of the Spanish Botanical Society. September 8–10, 2021, Toledo, Spain.
153. Simon A., **B. Goffinet**, D. Vanderpool, E. Sérusiaux, N. Magain & T. Spribille. 2021. The dual nature of lichens: a transcriptomic approach to understand photomorphism. 9th International Association for Lichenology Symposium (IAL 9), August 1 to 6, 2021, Bonito, Mato Grosso do Sul, Brazil (virtual). Abstract ID 189527.
152. Rahmatpour N, V. Vuruputoor, N. Patel, Y. Liu, P. Szövényi, J. Wegrzyn & B. Goffinet. 2021. Apospory-induced whole genome duplication triggers immediate shifts gene expression in the moss *Funaria hygrometrica*. Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual).
151. Bechteler J., J.G. Burleigh, S. McDaniel, **B. Goffinet**, D. Bell & J.C. Villarreal. 2021. New insights into the liverwort and moss backbone phylogeny using the GoFlag probe kit. BL2021: Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual).
150. Muscavitch Z.M., L.A. Lewis & **B. Goffinet**. 2021. Patterns in the diversity and specificity between the lichenized fungus *Niebla* and its green algal symbiont *Trebouxia*. BL2021: Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual, poster).
149. Vuruputoor V., N. Patel, J. Wegrzyn, **B. Goffinet**. 2021. Assembly of the first allopolyploid moss genome based on *Physcomitrium* sp. from North America. BL2021: Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual, poster)
148. Williams L., N. Patel, R. Medina, **B. Goffinet** & M.G. Johnson. 2021. Testing for Cryptic Species in *Physcomitrium pyriforme* using target capture sequencing of 800 nuclear genes. BL2021: Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual).

147. Wickett N.J., M.G. Johnson, J. Angulo, L. Pokorny, Y. Liu, R. Medina, A.J. Shaw & **B. Goffinet**. 2021. Applying an 802-gene probe set to moss phylogenetics, with an emphasis on the pleurocarp lineage. BL2021: Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual).
146. Lemieux O., N. Patel, M. Johnson, R. Medina & **B. Goffinet**. 2021. The North American moss, *Physcomitrium immersum*, is a hybrid species of yet unresolved progenitors. BL2021: Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual, poster).
145. Patel N., R. Medina, **B. Goffinet** & M.G. Johnson. 2021. Whole genome duplication and reticulate evolution in the *Physcomitrium pyriforme* species complex. BL2021: Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual).
144. Kirbis A., M. Waller, A. Neubauer, N. Rahmatpour, **B. Goffinet**, Y. Liu & P. Szövényi. 2021. Genome evolution and sporophyte complexity in the moss family Funariaceae. BL2021: Bryophytes, lichens, and northern ecosystems in a changing world. July 6–9, 2021. Quebec, Canada (virtual).
143. Williams L., N. Patel, R. Medina, **B. Goffinet** & M. Johnson. 2020. Methods to delimit speciation and determine population parameters of the moss *Physcomitrium pyriforme* using target capture sequencing. Annual Meeting of the Botanical Society of America, Anchorage, AL, July 27–31, 2020. Abstract 400.
142. Buckowing, K., Y. Liu, A.J. Shaw, **B. Goffinet**, N.J. Wickett & M.G. Johnson. 2020. Expanded phylotranscriptomic sampling reveals gene family expansion in pleurocarpous mosses. Annual Meeting of the Botanical Society of America, Anchorage, AL, July 27–31, 2020. Abstract 523.
141. Patel, N., R. Medina, M.G. Johnson & **B. Goffinet**. 2020. Autopolyploidy contributes to cryptic speciation in mosses. Annual Meeting of the Botanical Society of America, Anchorage, AL, July 27–31, 2020. Abstract 738.
140. Angulo J., M.G. Johnson, L. Pokorny, R. Medina, Y. Liu, **B. Goffinet**, A.J. Shaw & N.J. Wickett. 2020. Reconstructing the rapid radiation of pleurocarpous mosses using 802 nuclear genes. Annual Meeting of the Botanical Society of America, Anchorage, AL, July 27–31, 2020. Abstract 605.
139. Lazaro X.A. R. Mackenzie, **B. Goffinet** & J.E. Jimenez. 2019. Moss regeneration from fragments as a potential indicator of endozoochory in sub-antarctic Chile. Annual Meeting of the Ecological Society of America, Louisville Kt, August 11–16, 2019. Abstract 101.
138. Borucinska-Begg M., L. Taber, T. Wright, S. McGillewie, M.T. La Valle, J. Malebrán, R. Rozzi, P. Vezzani, J. Malebrán, S. Russell & **B. Goffinet**. 2019. Bringing bryophytes to the forefront of conservation methods in the southernmost protected areas of Chile. Annual Meeting of the Ecological Society of America, Louisville Kt, August 11–16, 2019. Abstract 88.
137. Medina R. Johnson M., R. Medina, Y. Liu, N. Wickett, J. Shaw, **B. Goffinet**. 2019. Expanded delimitation of *Physcomitrium* (Funariaceae) based on targeted sequencing of nuclear exons and their flanking regions: OR Does *Physcomitrella* exist? Biennial Meeting of the International Association of Bryologist (with the iMOSS). Madrid July 2019. Abstract Or-67.
136. **Goffinet B.** & R. Medina. 2019. The dawn of bryology in North America: a tale of a cursed flora. Biennial Meeting of the International Association of Bryologist (with the iMOSS). Madrid July 2019. Abstract Or-05.
135. Johnson M., R. Medina, Y. Liu, N. Wickett, J. Shaw, **B. Goffinet**. 2019. Phylogenomic delineation of *Physcomitrium* (Bryophyta: Funariaceae) based on targeted sequencing of nuclear exons and their flanking regions rejects the retention of *Physcomitrella* and other genera. Annual Meeting of the Botanical Society of America. Abstract 473. Tucson, Az, July 27–31, 2019.
134. Rahmatpour N., **B. Goffinet** & J. Wegrzyn. 2019. Comparative transcriptomics across ploidal and functional shifts in the moss *Funaria hygrometrica*. Plant Animal Genome conference. San Diego January 2019.

133. Dong S., C. Zhao, S. Zhang, W. Mu, T. Wei, H. Liu, J. Cui, H. Wu, R. Zhu, **B. Goffinet** & Y. Liu. 2018. PPR protein diversity and GC content drive variation in RNA editing site across organellar genomes of liverworts. 2018 China National Symposium on Systematic and Evolutionary Botany and the 13th Youth Academic Symposium, Wuhan, China, Nov. 23-26th. 2018.
132. Russo N.J., M. Robertson, J. Jimenéz & **B. Goffinet**. 2018. Bryophyte diaspores recovered from the feces of montane Sub-Antarctic birds. 27th International Ornithological Congress. Vancouver, Canada, August 19–26.
131. Robertson, M.W., N.J. Russo, S.J. McInnes, **B. Goffinet** & J. Jimenéz. 2018. Live tardigrades recovered from faeces of White-bellied Seedsnipe. 14th Annual International Symposium on Tardigrada. Copenhagen, Denmark, July 30-August 3rd.
130. Johnson M.G., R. Medina, N. Wickett & **B. Goffinet**. 2018. Intergeneric allopolyploidy in Funariaceae revealed through targeted sequencing. Annual meeting of the iMOSS (international molecular moss science society) in St. Petersburg, Florida, June 3-6.
129. **Goffinet B.**, R. Medina & M. Johnson. 2018. Phylogenomics of the Funariaceae based on targeted enrichment of nuclear and organellar loci. Annual meeting of the iMOSS (international molecular moss science society) in St. Petersburg, Florida, June 3-6.
128. Liu Y., N. Rahmatpour, F. Dingding, D. Shanshan, S. Zhang, J. Wegrzyn & **B. Goffinet**. Assembly of the moss genome *Funaria hygrometrica* using Nanopore and NGS data. Annual meeting of the iMOSS (international molecular moss science society) in St. Petersburg, Florida, June 3-6.
127. Liu D., L.S. Wang, X.Y. Wang, **B. Goffinet** & J. Hur. 2018. The basidiolichens of China. International Mycological Congress; San Juan Puerto Rico, July 16–21, 2018.
126. Simon A., **B. Goffinet** & E. Sérusiaux. 2018. Islands as promoters of lichen diversity: case studies from the Peltigerales. International Mycological Congress; San Juan Puerto Rico, July 16–21, 2018.
125. Wilding N., Y. Liu, R. Medina, **B. Goffinet** & T. A. Hedderson. 2018. Taxonomy, systematics and biogeography of African *Entosthodon* (Funariaceae). European Conference of Tropical Ecology. Centre International de Conférences Sorbonne Universités (CICSU) of the University Pierre-Marie Curie and at the Muséum National d'Histoire Naturelle in Paris historic center. March 26–29, 2018.
124. Johnson M. Y. Liu, R. Medina, **B. Goffinet**, A.J. Shaw & N. Wickett. 2017. Phylotranscriptomics reveals widespread gene duplication associated with the diversification of pleurocarpous mosses. International Botanical Congress; Shenzhen, China, July 23–29, 2017.
123. Krug M., P. Testroet, S. Noben, Y. Liu, **B. Goffinet**, K. Müller & D. Quandt. 2017. The Carboniferous set the stage for the major moss lineages which later experienced multiple independent rate shifts. International Botanical Congress; Shenzhen, China, July 23–29, 2017.
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119. Simon A., N. Magain, **B. Goffinet** & E. Sérusiaux. 2017. Macroevolutionary patterns of an unsuspected species-rich lichen radiation: insights from the genus *Sticta*. Botanical Society of

- America/American Bryological Society annual meeting; Fort Worth, Texas, June 24–28, 2017. Abstract 431.
118. Parker D. & **B. Goffinet**. 2017. One fungus-two lichens: *Dendriscoaulon intricatum* is the cyanomorph of the Eastern North American endemic *Ricasolia quercizans* (Lobariaceae). Botanical Society of America/American Bryological Society annual meeting; Fort Worth, Texas, June 24–28, 2017. Abstract 445.
117. Lindgren H., B. Moncada, R. Lücking, N. Magain, A. Simon, E. Sérusiaux, **B. Goffinet**, T. Widhelm & T. Lumbsch. 2017. Species in the lichenized fungal genus *Sticta* (Lobariaceae) associate with green algae from multiple genera in the family Trebouxiophyceae. Botanical Society of America/American Bryological Society annual meeting; Fort Worth, Texas, June 24–28, 2017. Abstract 173.
116. **Goffinet B.**, M. Johnson, Y. Liu, R. Medina, A.J. Shaw, N. Wickett. 2017. Targeted enrichment of nuclear protein coding genes and their introns for inferring phylogenetic histories of bryophytes. Future Arctic: Arctic Bryophytes and Lichens. Workshop, May 24–26, 2017, Forêt Montmorency, Université Laval, Québec, Canada.
115. Krug M., P. Testroet, S. Noben, Y. Liu, **B. Goffinet**, K. Müller & D. Quandt. 2016. Resolving the backbone phylogeny of mosses, using fast evolving regions from organellar genomes. 67 Nacional de botanica, September 25–30, Vitoria, Brazil.
114. Krug M., P. Testroet, S. Noben, Y. Liu, **B. Goffinet**, K. Müller & D. Quandt. 2016. Resolving the backbone phylogeny of mosses, using fast evolving regions from organellar genomes. 23rd Symposium on Biodiversity and Evolutionary Biology, September 8–11, 2016, Munich, Germany.
113. Schlesak S., D. Harpke, Y. Liu, L. Hedenäs, F.R. Blattner, K. Müller, **B. Goffinet** & D. Quandt. 2016. The *Hypnum* organellar genomes. 23rd Symposium on Biodiversity and Evolutionary Biology, September 8–11, 2016, Munich, Germany (poster).
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111. Jutla S., C. Delavoi, **B. Goffinet**, Y. Liu & R. Medina. 2016. The phylogenetic structure in four chloroplast loci confirms the polyphyly of *Physcomitrium pyriforme* (Bryophyta) in North America. Botanical Society of America/American Bryological Society annual meeting; Savannah, Georgia, July 30–August 3, 2016. Abstract 487. (poster)
110. Rahmatpour N. & **B. Goffinet**. 2016. Exploring the potential of genetic diversity between *Funaria hygrometrica* and *Physcomitrella patens* by transcriptome. Botanical Society of America/American Bryological Society annual meeting; Savannah, Georgia, July 30–August 3, 2016. Abstract 668.
109. Liu Y., M. Johnsson, R. Medina, N. Devos, N. Wickett, A.J. Shaw & **B. Goffinet**. 2016. Resolving the backbone phylogeny of mosses, using targeted NGS data from plastid, mitochondrial and nuclear genomes. Botanical Society of America/American Bryological Society annual meeting; Savannah, Georgia, July 30–August 3, 2016. Abstract 503.
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106. Caviness T.E., E. Behling, L. Lewis, J. Jimenez, **B. Goffinet** & R. Rozzi. 2016. Dispersal of Bryophyte diaspores through ingestion by birds. Botanical Society of America/American Bryological Society annual meeting; Savannah, Georgia, July 30–August 3, 2016. Abstract 224 (poster).

105. Lewis L., R. Rozzi & **B. Goffinet**. 2016. American temperate and polar amphitropical bryophytes. Botanical Society of America/American Bryological Society annual meeting; Savannah, Georgia, July 30–August 3, 2016. Abstract 234.
104. Lewis L., Y. Liu, R. Rozzi & **B. Goffinet**. 2016. Uncovering the evolutionary history of the dung moss *Tetraplodon fuegianus*: A comparison of Sanger, organellar genomic, and RADseq datasets. Botanical Society of America/American Bryological Society annual meeting; Savannah, Georgia, July 30–August 3, 2016. Abstract 231.
103. Parker D. & **B. Goffinet**. 2016. When your partner shapes your look: ITS analysis of symbionts in *Dendriscoaulon intricatum* and *Ricasolia quercizans*. 8th International Association of Lichenologists Symposium. Helsinki, Finland. August 1-5, 2016. Poster.
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99. Schlesak S., D. Harpke, Y. Liu, F. Blattner, K. Müller, **B. Goffinet** & D. Quandt. 2016. The *Hypnum* organellar genomes. 2nd International Symposium on the Evolution and Systematics of pleurocarpous mosses. Nees Institute for Plant Biodiversity, University of Bonn, Germany. June 9-12, 2016. Poster.
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 91. Draper I., F. Lara, R. Garilleti, B. Vigalondo, R. Medina, Y. Liu, V. Mazimpaka & **B. Goffinet**. 2016. Towards the clarification of the phylogeny of the Orthotrichoideae. Meeting of the Spanish Bryological Society, Western Andalusia, Spain, 30 May-6 June 2016.
 90. Vigalondo B., Y. Liu, I. Draper, F. Lara, V. Mazimpaka & **B. Goffinet**. 2016. Exploring genomes to find intraspecific variable markers for biogeographic and phylogeographic studies in *Orthotrichum* Hedw. Meeting of the Spanish Bryological Society, Western Andalusia, Spain, 30 May-6 June 2016.
 89. Metzgar J., S. Gowan, A. Fryday, L. R. Lewis, J. C. Villarreal, E. Biersma, S. McDaniel, **B. Goffinet**, C. La Farge, P. Convey & S. Ickert Bond. 2016. Baseline information, digitization and future directions and priorities for Arctic cryptogam research. Arctic Science Summit Week. Fairbanks, Alaska, March 12–18, 2016.
 88. Simon A., N. Magain, **B. Goffinet** & E. Sérusiaux. 2016. Recent and rapid radiation of the lichen genus *Sticta* in the Western Indian Ocean islands. Third Annual Meeting on Plant Ecology and Evolution, Gent, Belgium, February 5, 2016. Poster. <http://hdl.handle.net/2268/194540>
 87. Lewis L., R. Rozzi & **B. Goffinet**. 2016. Phylogeographic history of the Magellanic Sub-Antarctic endemic *T. fuegianus* (Bryopsida: Splachnaceae). VIII Southern Connection, Punta Arenas, Chile, January 18–23, 2016.
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 85. Malley, C., M. Johnson, **B. Goffinet**, J. Shaw & N. Wickett. 2015. A comparison of ortholog detection methods and their application to the moss phylogeny. Annual meeting of the Botanical Society of America, in Edmonton, Alberta, July 25–29 [abstract 1833]. Poster.
 84. Lewis, L.R., R. Rozzi & **B. Goffinet**. 2015. A RADseq approach for resolving the amphitropical phylogeographic history of the dung moss *Tetraplodon* (Bryopsida: Splachnaceae). Annual meeting of the Botanical Society of America and American Bryological and Lichenological Society, in Edmonton, Alberta, July 25–29 [abstract 1849].
 83. Magain, N., J. Miadlikowska, **B. Goffinet**, E. Sérusiaux & F. Lutzoni. 2015. Evolution of specificity in the lichen-forming genus *Peltigera* and its cyanobacterial partner: consequences on speciation rate and geographical range. Annual meeting of the Mycological Society of America, Edmonton, Alberta, July 25–29.
 82. Behling, E., L.R. Lewis, H. Gousse, E. Qian, C. Elphick, J.-F. Lamarre, J. Bêty, J. Liebezeit, R. Rozzi & **B. Goffinet**. 2015. Migratory birds carry plant diaspores in their feathers. Biennial meeting of the International Association of Bryologists. Puerto Williams, Subantarctic Chile. Jan. 11–15. (poster)
 81. Liu, Y., N. Devos, M. Johnson, R. Medina, N. Wickett, A.J. Shaw & **B. Goffinet**. 2015. *Targeted organellar gene enrichment for resolving the macroevolutionary moss tree of life*. Biennial meeting of the International Association of Bryologists. Puerto Williams, Subantarctic Chile. Jan. 11–15.
 80. Liu, Y., R. Medina & **B. Goffinet**. 2015. *350 my of mitochondrial genome stasis in mosses, an early land plant lineage*. Biennial meeting of the International Association of Bryologists. Puerto Williams, Subantarctic Chile. Jan. 11–15.

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75. Liu Y., C.J. Cox, W. Wang & **B. Goffinet**. 2015. Mitochondrial phylogenomics of early land plants: Mitigating the effects of saturation, compositional heterogeneity, and codon-usage bias. 17th Annual MOSS International Conference. Capital Normal University, Beijing, China. Sept. 25–28.
74. Liu Y., R. Medina & **B. Goffinet**. 2015. 350 million years of mitochondrial genome stasis in mosses, an early land plant lineage. 17th Annual MOSS International Conference. Capital Normal University, Beijing, China. Sept. 25–28. Poster.
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72. Magain, N., J. Miadlikowska, **B. Goffinet**, E. Sérusiaux & F. Lutzoni. 2014. Two are better than one: Delimiting cryptic lichen-forming fungal species using DNA sequence data from the fungal and cyanobacterial partners of *Peltigera* Section *Polydactylon* (Ascomycota; Lecanoromycetes). 10th Mycological Congress. Bangkok, Thailand, August 3–8, 2015. Poster.
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70. Wickett N., M. Johnson, J. Shaw, and **B. Goffinet**. 2014. Reconstructing gene family evolution in bryophytes: diversification, duplication, and horizontal transfer. Annual meeting of the American Bryological and Lichenological Society and Botanical Society of America. Boise. July 27–31, 2014. Abstract 622.
69. Johnson M., Wickett N., N. Devos, R. Medina, Y. Liu, **B. Goffinet** and A.J. Shaw. 2014. Constructing phylogenetic datasets from bait-capture data without a genome: strategies and challenges. Annual meeting of the American Bryological and Lichenological Society and Botanical Society of America. Boise. July 27–31, 2014. Abstract 606.
68. Lewis, L.R., E. Behling, H. Gousse, E. Qian, C. Elphick, J.-F. Lamarre, J. Bêty, J. Liebezeit & **B. Goffinet**. 2014. Migratory birds carry plant diaspores. Poster. Annual meeting of the American Bryological and Lichenological Society and Botanical Society of America. Boise. July 27–31, 2014. Abstract 509.
67. Liu Y., C.J. Cox, W. Wang & **B. Goffinet**. 2014. Mitochondrial phylogenomics of early land plant diversification: mitigating the effects of saturation and compositional heterogeneity. Annual meeting of the American Bryological and Lichenological Society and Botanical Society of America. Boise. July 27–31, 2014. Abstract 505.
66. Moses, K.P., N. Noell, R. Rijal, Y. Medina, L. R. Lewis, P. Caballero, V. Morales, A.M. Wilson, Paola Vezzani, F. Massardo, L. Sancho, S. Russell, L.A. Cavieres, **B. Goffinet** & R. Rozzi. 2013. Ecotourism with a hand lens in the miniature forests of Cape Horn: A sustainable pathway for bryophyte

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65. Wickett, N., A.J. Shaw, Y. Liu & **B. Goffinet**. 2013. Reconstructing the rapid radiation of pleurocarpous mosses using genomic approaches. Annual meeting of the American Bryological and Lichenological Society and Botanical Society of America. Louisiana. July 27–31, 2013.
 64. Liu, Y, R. Medina and **B. Goffinet**. 2013. The evolution of the mitochondrial genome in mosses. Annual meeting of the American Bryological and Lichenological Society and Botanical Society of America. Louisiana. July 27–31, 2013.
 63. Liu, Y., R. Medina, N. Wilding, J.M. Budke, T. Hedderson & **B. Goffinet**. 2013. The evolutionary history of *Physcomitrella patens*: phylogenetic inferences from 4 loci within the Funariidae. Annual meeting of the American Bryological and Lichenological Society and Botanical Society of America. Louisiana. July 27–31, 2013.
 62. Budke, J. M., C. S. Jones & **B. Goffinet**. 2012. Sporophyte development and calyptra cuticle function in *Funaria hygrometrica*. MOSS2012. International conference on bryophyte genomics. . The New York Botanical Garden. June 16-18, 2012.
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 60. Liu Y. & **B. Goffinet**. 2012. The evolution of mitochondrial genomes in bryophytes. 3rd International Symposium on Molecular Systematics of Bryophytes. The New York Botanical Garden. June 20-22, 2012.
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 56. Liu, Y., J.M. Budke & **B. Goffinet**. 2011. Phylogenetic inference suggests rampant homoplasy in sporophyte evolution in the Funariaceae. Moss 2011. Annual meeting of the *Physcomitrella* genomics community. Freiburg, Germany, Sept. 11-15, 2011.
 55. Villarreal, J.C., L.L. Forrest, D. C. Cargill, N. Wickett, J. Bainard, & **B. Goffinet**. 2011. Evolution of sex in hornworts: from genes to genomes XVIII International Botanical Congress, Melbourne, July 2011.
 54. **Goffinet, B.**, Y. Liu, L. Forrest, J. Xue, N. Wickett, B. Wang, J.C. Villarreal, L. Li & Y.-Q. Qiu. 2011. Chloroplast and mitochondrial genome evolution in early land plants: inferences from assemblies of liverwort genomes. XVIII International Botanical Congress, Melbourne, July 2011.
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51. Budke, J.M., C.S. Jones & **B. Goffinet**. 2011. Experimental Manipulation of the Moss Calyptra: The effect of cuticle removal and desiccation on sporophyte development in *Funaria hygrometrica*. Annual Meeting of the Botanical Society of America, St. Louis, MO, July 9-13, 2011. (abstract id: 326)
50. Marino, P., R. Raguso & **B. Goffinet**. 2010. The ecology and evolution of fly-dispersed dung mosses (Splachnaceae). 7th International Congress of Dipterology. San José, Costa Rica. 8-13 August.
49. Budke, J.M., **B. Goffinet** & C.S. Jones. 2010. Beneath the Calyptra's Veil: Exploring cuticle anatomy during moss sporophyte development. Annual Meeting of the Botanical Society of America, Providence, RI, July 31-August 4, 2010. (abstract id: 326)
48. **Goffinet, B.**, A.J. Shaw & C.J. Cox. 2010. Current understanding of phylogeny and phylogenetic diversity in bryophyte tree of life. Annual Meeting of the American Bryological and Lichenological Society, Providence, RI, July 31-August 4, 2010. (abstract id: 371)
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46. Liu, Y., J.M. Budke & **B. Goffinet**. 2010. Phylogenetic relationships of *Physcomitrella* and other Funariaceae (Bryophyta) based on inferences from 10 genes. Annual Meeting of the American Bryological and Lichenological Society, Providence, RI, July 31-August 4, 2010. (abstract id: 184)
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44. Villarreal, J.C., K.D. McFarland & **B. Goffinet**. 2010. Thousands of years without sex: The case of the Southern Appalachian *Nothoceros aenigmaticus*. Annual Meeting of the American Bryological and Lichenological Society, Providence, RI, July 31-August 4, 2010. (abstract id: 583)
43. Moses, K., L. Lewis, M. Méndez, Y. Medina, M. Kozar, Massardo, **B. Goffinet**, R. Rozzi. 2010. Ecotourism with a hand-lens: Integrating bryological research, education, and conservation through scientific tourism in the Magellanic sub-Antarctic ecoregion. Annual Meeting of the Botanical Society of America, Providence, RI, July 31-August 4, 2010. (poster) (abstract id: 281)
42. Sérusiaux, E., J.C. Villarreal, T. Wheeler & **B. Goffinet**. 2010. Species of *Nephroma* endemic to Macaronesia belong to two strongly supported clades each comprising a widespread holarctic species and all are of recent origin. International Mycological Congress, Edinburgh, UK, August 1-6. (poster)
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39. Wickett, N.J., C.A. Huizengua, L.L. Forrest & **B. Goffinet**. 2009. Plastid genomes on the liverwort tree of life: challenges and progress. Annual Meeting of the Botanical Society of America, Utah. (ID 785 on web catalogue at <http://www.2009.botanyconference.org/engine/search/index.php>).
38. Moses K.P., L. Sancho, J. Etayo, A. Gomez Bolea, J. Fernandez, **B. Goffinet**, J. H. Kennedy, F. Massardo, K. Stevens, X. Arango, A. Poole Yanet Medina, T. A. Contador, R. Rozzi. Ecological Society of America.

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35. Jofre, J., F. Massardo, **B. Goffinet** & R. Rozzi. 2007. Ecological Society of Chile. Annual meeting, La Serena.
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33. Wickett N.J. & **B. Goffinet**. 2007. Annual Meeting of the Brazilian Botanical Society. Sao Paulo.
32. Budke, J.M., Wickett, N.J., **Goffinet, B.** 2007. Multiple losses of the *cysA* gene from the chloroplast genome of liverworts (Marchantiophyta). Annual Meeting of Botanical Society of America. Chicago. July 2007. (ID 2031 on web catalogue at <http://www.2007.botanyconference.org/engine/search/index.php>).
31. Wickett, N.J., Fan, Y.; Lewis, P.O. **Goffinet, B.** 2007. Plastid genome decay in parasitic plants: insight from the non-photosynthetic liverwort *Aneura mirabilis*. Annual Meeting of Botanical Society of America. Chicago. July 2007. (ID 2033 on web catalogue at <http://www.2007.botanyconference.org/engine/search/index.php>).
30. Budke J.M. and **Goffinet B.** 2006. Phylogenetic analyses of Timmiaceae (Bryophyta: Musci) inferred from nuclear and chloroplast sequence data. Annual Meeting of Botanical Society of America. Chico. July 2006. Abstract Scientific Meeting, Chico California, p. 72.
29. Wickett, N.J., Zhang, Y., Hansen, S.K., Roper, J.M., Kuehl, J.V., Plock, S., **Goffinet, B.**, dePamphilis, C.W., Wolf, P.G., Boore, J. Towards a complete chloroplast genome sequence of the non-photosynthetic liverwort *Cryptothallus mirabilis* (Metzgeriales, Marchantiophyta). Annual Meeting of Botanical Society of America. Chico. July 2006 Abstract Scientific Meeting, Chico California, p. 82.
28. **Goffinet, B.**, N. Wickett, A.J. Shaw, O. Werner, R.M. Ros & C.J. Cox. 2006. Refining the circumscription of the Funariales based on the chloroplast genome structure. Annual Meeting of Botanical Society of America. Chico. July 2006 Abstract Scientific Meeting, Chico California, p. 76.
27. Wickett N.J. & **B. Goffinet**. 2005. Relationships of the non-photosynthetic liverwort *Cryptothallus mirabilis* (Metzgeriales, Aneuraceae) based on four loci. American Journal of Botany (suppl.)
26. Budke J.M., C.S. Jones & **B. Goffinet**. 2005. Peristome development in *Timmia megapolitana* in relation to systematics and evolution of the Bryophyta. American Journal of Botany (suppl.)
25. Cox C.J., A.J. Shaw & **B. Goffinet**. 2005. The moss diversity project. A collaborative project between Duke University and the University of Connecticut. XVII International Botanical Congress. Vienna, July 2005.
24. **Goffinet, B.** & A.J. Shaw. 2005. The evolution of bryophytes: a synthesis. XVII International Botanical Congress. Vienna, July 2005.
23. Shaw, A.J., C. J. Cox & **B. Goffinet**. 2004. Toward a generic level phylogeny of the mosses. Bryophylogeny 2004, Göttingen (Germany); (unpaginated abstract).
22. Vanderpoorten A. & **B. Goffinet**. 2004. The evolution of endemism within a monophyletic complex of mosses with contrasting distribution patterns. Bryophylogeny 2004, Göttingen (Germany); (unpaginated abstract).
21. **Goffinet, B.**, N. Wicket, C. J. Cox & A. J. Shaw. 2004. The evolution of the *rpoA* (cpDNA) region in mosses. Bryophylogeny 2004, Göttingen (Germany); (unpaginated abstract).
20. **Goffinet, B.**, A. J. Shaw & C.J. Cox. 2003. Phylogenetic inferences in the Orthotrichoideae based on multigenomic characters. Program of the international symposium "Molecular systematics of

Bryophytes: Progress, problems and perspectives”, Missouri Botanical garden, St. Louis (unpaginated abstract).

19. **Goffinet, B.**, T. Tønsberg, & T. Goward. 2003. Phylogenetic affinities of North American populations of *Dendriscoaulon* based on inferences from variation in the ITS nrDNA sequences. Program of annual meeting of the Botanical Society of America and the American Bryological and Lichenological Society; Mobile AL, July 2003; p. 18.
18. **Goffinet, B.**, W.R. Buck, C.J. Cox, A.J. Shaw, & N. Wickett. 2003. Circumscription and affinities of the Sematophyllaceae (Bryophyta, Hypnales) based on multigenomic phylogenetic inferences. Program of annual meeting of the Botanical Society of America and the American Bryological and Lichenological Society; Mobile AL, July 2003, p. 18.
17. Cox C.J., **B. Goffinet**, & A.J. Shaw. 2002. Evolutionary diversification of the mosses: phylogenetic evidence from multiple genes and genomic compartments. Program of Annual Meeting of the American Bryological and Lichenological Society in Storrs, p. 15.
16. Buck W.R., C.J. Cox, S. Boles, A.J. Shaw, & **B. Goffinet**. 2002. Molecular Phylogeny of the Hookeriales s.lat. Program of Annual Meeting of the American Bryological and Lichenological Society in Storrs, p. 14.
15. Shaw, A.J., C.J. Cox, **B. Goffinet**, and W.R. Buck. 2002. Patterns of Diversification in Pleurocarpous Mosses. Program of Annual Meeting of the American Bryological and Lichenological Society in Storrs, p. 37.
14. **Goffinet, B.**, A.J. Shaw, and S. Boles. 2001. Multigene phylogenetic reconstruction of the family Orthotrichaceae (Bryophyta). Botany 2001: Plants and People. Abstract p. 8. Botanical Society of America, Albuquerque, NM.
13. Hax, N. and **B. Goffinet**. 2001. Systematic inferences in *Bryoxiphium* based on morphological and molecular characters. Botany 2001: Plants and People. Abstract p. 8. Botanical Society of America, Albuquerque, NM.
12. **Goffinet, B.** and A. J. Shaw. 2000. Phylogenetic inferences in the Orthotrichoideae based on trnL-F and rps4 (cpDNA) sequence data. American Journal of Botany 86 (Supl.): 8.
11. **Goffinet, B.** and A. J. Shaw. 2000. Dung and carcasses, the ultimate habitat within the dung-moss family (Splachnaceae)? Answers from a phylogenetic study based on cp DNA sequence data. American Journal of Botany 86 (Supl.): 130-131.
10. De Luna, E., W. Buck, A. Newton, S. Maeda, L. Hedenäs, Akiyama, H. Arikawa, T., Tsubota, H. C. Cox, R. Tangney, **B. Goffinet**, K. Kosuge, D. González, A.J. Shaw, and M. Higuchi. 1999. Phylogeny of pleurocarous diplolepeidae based on morphological and molecular data. XVI International Botanical Congress—Abstracts; pp. 38. St. Louis.
9. Cox, C., **B. Goffinet**, A. Newton, A.J. Shaw, and T.A.J. Hedderson. 1999. Phylogenetic relationships among the diplolepeid mosses (Bryidae) inferred from nuclear and chloroplast DNA sequences. XVI International Botanical Congress—Abstracts; pp. 38. St. Louis.
8. **Goffinet B.**, and C. Cox.B.M. 1999. Phylogenetic relationships among basal arthroodontous mosses (Bryopsida) with special emphasis on the evolution of peristome types. XVI International Botanical Congress—Abstracts; pp. 37. St. Louis.
7. Hedderson, T.A. C. Cox, J. Duckett, **B. Goffinet**, B.M. Mishler, and D.H. Vitt. 1999. Evolution of major moss lineages. XVI International Botanical Congress—Abstracts; pp. 37. St. Louis.
6. **Goffinet, B.** and A.J. Shaw. 1998. Phylogeny of the Splachnaceae, inferred from trnL and *rps4* sequences (cpDNA), with special emphasis on the evolution of entomophily. *Inoculum* 49: 58.
5. **Goffinet B.**, T.A. Hedderson, J.A. Shaw, and D.H. Vitt. 1997. The phylogenetic relationships among diplolepeid mosses, with special emphasis on the affinities of the Orthotrichales. *American Journal of Botany (Supplement)* 84: 17.

4. Hedderson T.A., C.J. Cox, **B. Goffinet**, and R.J. Chapman. 1997. Phylogenetic relationships among the main moss lineages inferred from 18S rRNA gene sequences. *American Journal of Botany (Supplement)* 84: 4.
3. **Goffinet B.** 1997. Circumscription and phylogeny of the Orthotrichales (Bryopsida) based on morphological and *rbcl* sequence data analysis. *American Journal of Botany (Supplement)* 84: 4.
2. Waters D., **B. Goffinet**, D.H. Vitt, and R. Chapman. 1996. The systematic affinities of the Calomniaceae (Bryopsida) based on 18S nrDNA nucleotide sequences. *American Journal of Botany (Supplement)* 83: 27.
1. **Goffinet B.** 1995. Phylogenetic reconstruction of the Orthotrichaceae (Bryopsida) based on *rbcl* sequences. *American Journal of Botany (Supplement)* 82: 132.

OUTREACH

- | | |
|---------|---|
| 2018 | The miniature forest of Cape Horn. Workshop on miniature forests for local naturalists and ecotourism guides in Sub-Antarctic Chile. Puerto Williams, Navarino, Chile. |
| 2018 | EagleHill Institute (taught with Dr. William Buck, NYBG): Orthotrichaceae of Maine (one week course/workshop). |
| 2015 | Biology ECE Annual Instructor Meeting (1 day event with high school AP biology teachers: lecture and lab on bryophytes). |
| 2010 | Forgotten biodiversity: Lichens and Bryophytes of Central Connecticut. Connecticut Natural History Museum. Nature walk. |
| 2006 | The miniature forest of Cape Horn. Opening talk for a course designed for Tourism industry in Sub-Antarctic Chile. Puerto Williams, Navarino, Chile. |
| 2005 | Assembling the tree of life: the bryophyte branches. Summer workshop on biodiversity and forensic science. University of Connecticut. |
| 2004 | New England Botanical Club (Harvard) |
| 2003 | Simsbury Garden Club (Simsbury, CT): Lichens: beautiful symbionts.
New England Outdoor & Environmental Education Association (Woodstock, CT): Biology of mosses.
Connecticut Museum of Natural History: Lichens: beautiful symbionts. |
| 2002 | Connecticut Outdoor & Environmental Education Association (Storrs, CT): Biology of lichens. |
| 2000-05 | Bioblitz: annual 24 hour biological inventory of urban parks in Connecticut. (bryophytes and lichens). |
| 1993 | Edmonton Plant Study Group: Introduction to the identification of mosses. |
| 1992 | Edmonton Plant Study Group: Introduction to the identification of lichens. |

VISITING SCIENTISTS

- | | |
|-------------|---|
| 2021 | Dr. Antoñia Salces Castellano (University of Liège, Belgium): Target capture of mosses. |
| 2015 | Dr. Isabel Draper (University of Madrid, Spain): Moss phylogenetics |
| 2012 | Dr. C. Ah-Peng (Uni. of Cape Town, South Africa): Bryophyte phylogeography |
| 2007 & 2009 | Dr. E. Sérusiaux (University of Liège, Belgium): Lichen systematics & phylogeography |
| 2004 | Dr. A. Vanderpoorten (University of Liège, Belgium): Bryophyte phylogeography-phylogeny |

2004 Dr. D. Quandt (University of Dresden, Germany): Bryophyte phylogeny

RESEARCH ASSOCIATES

2021–2022 Dr. Antoine Simon, Belgian American Educational Foundation Fellow; Evolution of lichenized fungi.

2019–2022 Dr. Nikisha Patel: Diversity of *Physcomitrium pyriforme* in North America and Europe: significance of autopolyploidy within a phylogenomic and experimental framework

2015 Dr. Lily Lewis: Lichen symbiosis (now Director of the Office of Postdoctoral Affairs at University of Florida)

2012–2016 Dr. Rafael Medina: Funariaceae systematics and phylogenomics (now tenure track assistant professor at Complutense University of Madrid, Spain)

2011–2012 Dr. Jessica Budke: Sporophyte development in Funariaceae (now tenure track assistant professor at the University of Tennessee)

2009–2016 Dr. Yang Liu: Phylogeny of the Funariaceae and Pleurocarp Tree of Life (now Shenzhen Botanical Garden, China)

2009–2011 Dr. Laura Forrest: liverwort chloroplast genomics (now Edinburgh Botanical Garden)

2007–2008 Dr. Norman Wickett: liverwort chloroplast genomics (now Chicago Botanical Garden and Northwestern University).

GRADUATE STUDENTS SUPERVISED

Current:

Vidya Vuruputoor. Ph.D. (co-advised with Dr. Jill Wegrzyn). Genomics of hybrid plant species.

Kristin Anderson. M.Sc. Genome Size variation within the *Physcomitrium pyriforme* (Funariaceae, Bryophyta) complex.

Zachary Muscavitch. Ph.D. (co-advised with Dr. Louise Lewis). Phylogenomic investigation of the diversification and specificity of symbionts in lichens formed by *Niebla* and Trebouxioioid algae.

Past:

2019 Nasim Rahmatpour. (co-advised with Dr. Jill Wegrzyn) Ph.D. Pattern of gene expression during shifts in ploidy and function in the moss *Funaria hygrometrica*.

Postdoctoral research associate at Cornell in Dr. Fay Wei Li's lab; now bioinformatician in San Francisco Bay area.

2018 Charles Delavoi. Non-thesis M.Sc.

2015 Lily Lewis. Ph.D. Resolving bipolar phylogeographic histories in the common dung moss *Tetraplodon* (Bryopsida: Splachnaceae). Earned "Greg and Mona Anderson Ecology and Evolutionary Biology best Ph.D. dissertation award" in 2015.

Currently Director of Postdoctoral Affairs and Academic Communications at University of Florida

Hannah Gousse. Non-thesis M.Sc. in Conservation Biology.

2011 Jessica M. Budke. Ph.D. Examining the gametophytic calyptra and its role in sporophyte development of the moss *Funaria hygrometrica* Hedw.

Currently assistant professor and director of herbarium at University of Tennessee.

2011	Juan Carlos Villarreal. Ph.D. Origin and evolution of the hornwort <i>Nothoceros aenigmaticus</i> . Currently associate professor and holding Research Chair of Canada at University of Laval, Canada.
2007	Norm Wickett. Ph.D. Chloroplast evolution in the non-photosynthetic liverwort <i>Cryptothallus mirabilis</i> . Currently faculty at Chicago Botanical Garden and Northwestern University.
2006	Jessica Budke. M.Sc. Peristome development and phylogenetic relationships of the moss <i>Timmia megapolitana</i> Hedw. stayed and completed Ph.D. (2011)
2006	Neva Hax. M.Sc. Monograph of <i>Bryoxiphium</i> (Bryophyta). Then obtained a Master in Special Education at Boston College.

GRADUATE STUDENT'S DISSERTATION COMMITTEE (EXTRAMURAL)

2020	Antoine Simon. Ph.D.	University of Liège, Belgium
2014	Nicolas Magain. Ph.D.	University of Liège, Belgium

GRADUATE STUDENTS CO-ADVISED (EXTRAMURAL)

2015	Antoine Simon. M.Sc. (co-advisor; primary Advisor: Dr. Emmanuël Sérusiaux). Les photomorphes au sein des Lobariaceae (Peltigerales, Ascomycota): étude de leur dynamique évolutive via trois approches génétiques. University of Liège, Belgium.
2013	Djermal Berkaoui. M.Sc. (co-advisor; primary advisor: Prof. Dr. Dietmar Quandt). Phylogenie und Evolution der Pottioideae. University of Bonn, Germany.

GRADUATE STUDENT'S DISSERTATION DEFENSE EXTERNAL EXAMINER (EXTRAMURAL)

2020	David Bell	University of British Columbia
2019	Alice Ledent	University of Liège, Belgium
2017	Narjes Yousefi	Norwegian University of Science and Technology, Trondheim, Norway
2016	Jessica Allen	New York Botanical Garden
	Nik Norhazrina Binti Nik Mohd Kamil	University of Liège, Belgium
2014	Catherine Reeb	National Museum of Natural History, Paris, France
2012	Rafael Medina	University of Madrid, Spain
2011	Endymion Cooper	University of Sydney, Australia
2011	James Lendemer	New York Botanical Garden
2011	Amélie Pichonet	Museum d'Histoire Naturelle, Paris, France
2009	Matt Renner	University of Sydney, Australia.
2003	Piers Majestic	New York Botanical Garden

HONORS STUDENT SUPERVISED

- 2022 Olivia Lemieux. Whole-range study reveals consistent hybrid nature and conserved progenitors of the North American endemic moss, *Physcomitrium immersum*.
Awarded Margaret F. Ertman Award in recognition of significant accomplishments at University of Connecticut by an outstanding senior across all four biology degree programs: Biological Sciences, EEB, MCB, and PNB.
- 2017 Dinah Parker. When your partner shapes your look: DNA analysis of symbionts in *Ricasolia quercizans* and *Dendriscoaulon intricatum*.
Awarded Margaret F. Ertman Award in recognition of significant accomplishments at University of Connecticut by an outstanding senior across all four biology degree programs: Biological Sciences, EEB, MCB, and PNB.

POSTGRADUATE RESEARCHERS

- 2014–2015 Zuleyha Ozen: assembling NGS reads from total genomic lichen extracts

VISITING GRADUATE STUDENTS

- 2015 Beatriz Vigalondo (Autonomous University Madrid)
- 2015 Marta Alonso García (University of Murcia)
- 2015 & 2016 Antoine Simon (University of Liège)
- 2014 Clémence Germaine (University of Liège)
- 2013 Lucile Rabeau (Paris Natural History Museum)
- 2012 Nicholas Wilding (Cape Town University)
- 2010 Nicolas Magain (University of Liège)
- 2008 & 2010 Rafael Medina (University of Madrid)

UNDERGRADUATE RESEARCHERS

- Paul Dineen (McNair scholar): artificial hybridization within the Funariaceae 2020
- Hannah Perry: developing axenic cultures from gametophytes of mosses 2019-2020
- Olivia Lemieux: Allopolyploidy in *Physcomitrium* (Bryophyta); SURF awardee 2019-2022
- Nolan Pimentel: propagation of mosses 2019
- Nicholas Russo: bryophyte diaspore in fecal samples of subantarctic birds 2018
- Haley Herring-Sylvestre: Gigas effect in the gametophyte and sporophyte of artificial F1 polyploids of *Physcomitrium pyriforme* 2016
- Laura Jones: bryophyte axenic cultures 2016
- Dinah Parker: extraction and sequencing of lichen-forming fungi DNA, lichen photomorph diversity in North America (the genus *Ricasolia*); SURF awardee 2014-2015
- Haley Herring-Sylvestre: interphyletic hybridization and sporophytic fitness in *Physcomitrium* 2015
- Hannah Gousse: diaspores embedded in feathers of migratory birds. 2013
- Nicholas Moskwa: extraction and amplification of DNA; phylogenetic inferences in mosses 2012–2013
- Emily Qian: diaspores embedded in feathers of migratory birds. 2012–2013
- Xing Bo Chen: genome size estimation using flow cytometry, in the Funariaceae 2012–2013
- Emily Behling: diaspores embedded in feathers of migratory birds. 2012–2014

Drew Christie: extraction and amplification of DNA; phylogenetic inferences in liverworts and mosses.	2011
Pavitri Dwivedi: morphometrics and cytology of mosses.	2011–2012
Melissa Wynne: moss development; regenerative ability of the moss calyptrae.	2011–2012
Satpal Jutla: extraction and sequencing of bryophyte DNA	2014–2015
Deborah Lee: effect of ploidy on morphological traits (i.e. Gigas effect) in mosses.	2012–2014
Christopher LaBreck: extraction and amplification of DNA from liverworts.	2010
Leah Newman: extraction and amplification of DNA from liverworts, long-range PCR on chloroplast genomes, and systematic affinities of the moss genus <i>Micromitrium</i> .	2009–2010
Lauren Parry: phylogenetic significance of the loss of the <i>cysT</i> gene from the chloroplast genome in liverworts.	2008
Jessica Clopton: photobiont specificity in Lobariaceae, lichens.	2008–2009
Cassandra Huizengua: phylogenetic significance of the loss of the <i>cysA</i> gene from the chloroplast genome in liverworts.	2007–2008

CONSULTANT SERVICES

Connecticut Police
 Cornell University Press
 Town of Mansfield (Connecticut)
 Agriculture and Agri-food Canada (Alberta)
 Geographic Dynamics Corporation (Alberta)
 Gilbert Smith Forest Products Ltd. (British Columbia)
 Parks Canada—Alberta Region

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Bryological and Lichenological Society (1991–1996; 2000–present)
 Belgian Royal Botanical Society (1994–1996)
 Botanical Society of America (1992–1999; 2004–present)
 British Bryological Society (1991–1996; 2000–present)
 British Lichenological Society (1991–1996; 2020–present)
 Bryologisch-lichenologische Arbeitsgemeinschaft für Mitteleuropa e.V. (2007–present)
 Dutch Bryological Society (2003–present)
 International Association of Bryologists (1990–present)
 International Association of Plant Taxonomists (2005–present)
 Society for Systematic Biology (2006–present)
 Société Québécoise de Bryologie (2017–present)

FIELD EXPERIENCE

I have collected 15,000 samples on field excursions in the following countries: Belgium, Canada (Alberta, British Columbia, Québec), Chile (mostly Sub-Antarctic Region), China (Yunnan), Dominica, Gabon

(participant in Opération Canopée), Germany, Guadeloupe, Madagascar, Mexico, Panama, Puerto Rico, South Africa, Taiwan, United States of America (Alabama, Alaska, Arizona, California, Colorado, Connecticut, Georgia, Louisiana, Maine, New Mexico, New York, North Carolina, Oregon, Washington, West Virginia).

REFERENCES

Dr. A. Jonathan Shaw: Botany Department, P.O. Box 90338, Durham NC, 27708 USA, Ph: 919 660 7344, Fax: 919 684 5412, e-mail: shaw@duke.edu (postdoc advisor and collaborator)

Dr. Carl Schlichting: Department of Ecology and Evolutionary Biology, 75 North Eagleville road, University of Connecticut, Storrs CT, 06268 USA, Ph: 1-860-486-4056, Fax: 1-860-486-6364, e-mail: schlicht@uconn.edu (former department head)

Dr. Cynthia S. Jones: Department of Ecology and Evolutionary Biology, 75 North Eagleville road, University of Connecticut, Storrs CT, 06268 USA, Ph: 1-860-486-4150, Fax: 1-860-486-6364, e-mail: cynthia.s.jones@uconn.edu (colleague and former Co-PI on NSF grant)

Dr. Janine Caira: Department of Ecology and Evolutionary Biology, 75 North Eagleville road, University of Connecticut, Storrs CT, 06268 USA, Ph: 1-860-486-4060, Fax: 1-860-486-6364, e-mail: janine.caira@uconn.edu (colleague and former Co-PI on NSF grant)