

CURRICULUM VITÆ: Alexandre Antonelli

(last updated: 17 May 2018)



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RECENT HIGHLIGHTS:

1. Cisneros Visiting Scholar, **Harvard University** (2018)
2. Director, **Gothenburg Global Biodiversity Centre** (2017–)
3. Elected as one of Sweden's **Future Research Leaders** (2016)
4. Elected as **Wallenberg Academy Fellow** (2015–2020)
5. **Faculty of Science Research Award** (2015)
6. Elected to the **Young Academies of Sweden and Europe**
7. Elected to the **Royal Society of Arts and Sciences** in Gothenburg
8. PI for grants amounting c. **68M SEK** (6.9M €, 8.2M USD)
9. Main author for papers in several *Nature* journals, *Science*, *PNAS*

KEYWORDS: BIODIVERSITY – EVOLUTION – BIOGEOGRAPHY – NEOTROPICS – PHYLOGENETICS

RESEARCH INTERESTS: My main scientific goal is to understand *the evolution and distribution of biodiversity*, by studying the *formation, extinction, and migration* of species. I am particularly interested in *teasing apart the relative roles of abiotic* (e.g. climate and landscape changes) *and biotic* (e.g. competition, adaptations) *drivers of biodiversity changes through space and time*. To achieve these goals, I study the distribution of species, their genetic variation, and the fossil record. Most of my work has dealt with the tropics, especially in South America where most species occur today. I lead an *inter-disciplinary research group* comprising students and scholars from many countries. We have a lot of fun together!

PERSONAL INFORMATION:

- Born in Campinas, Brazil (1978)
- Brazilian, Swedish and Italian citizenships
- Married, three children

CONTACT INFORMATION:

- **Current affiliation (January 01 –July 30; 2018):**
Harvard University
Department of Organismic and Evolutionary Biology
26 Oxford Street
Cambridge, MA 02139, USA.
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- **Primary affiliation (Back on August 1st, 2018):**
Delivery address: Gothenburg Global Biodiversity Centre
Box 461, SE-405 30 Göteborg, Sweden
Visiting address: Carl Skottsbergs gata 22B, Göteborg, Sweden
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Research group homepage: <http://antonelli-lab.net> | **Twitter:** [@antonelli_lab](https://twitter.com/antonelli_lab)
Centre homepage: <http://ggbc.gu.se> | **Twitter:** [@ggbc_gu](https://twitter.com/ggbc_gu) | **Instagram:** [antonelli_lab](https://www.instagram.com/antonelli_lab)

CURRENT POSITIONS:

- **Director**, Gothenburg Global Biodiversity Centre (January 2017 – current)
- **Full Professor** in Systematics and Biodiversity. University of Gothenburg (June 2015 – current)
- Associate Professor, Federal University of Rio Grande do Norte, Brazil (2016 – current)
- **Chairman and founder**, BioNote of Sweden AB (2015 – current)
- **Scientific Curator**, Gothenburg Botanical Garden (August 2010 – current)
- Science advisor, Universeum Science Centre (2016–current)

PREVIOUS POSITIONS:

- Associate Professor and Senior Lecturer (tenured position), University of Gothenburg, Department of Biological and Environmental Sciences (April 2014 – June 2015)
- January 2012 – April 2014: University of Gothenburg, Researcher, Department of Biological and Environmental Sciences
- Associate staff member, Panama Canal Project (September 2011– 2016)
- January 2009 – July 2010: Post-doc, University of Zurich, Institute of Systematic Botany, Switzerland; with Peter Linder
- July 2003 – November 2008: Assistant teacher for basic and advanced courses (20%, University of Gothenburg)
- July 2001: Field assistant (University of Gothenburg)
- Prior to 2001: Various temporary jobs (language interpreter, computer programmer, divemaster, etc) in England, France, Mexico, Honduras, Brazil, Sweden

EDUCATION:

- **PhD** (03 February 2009, Systematics and Biodiversity, title: “Spatiotemporal Evolution of Neotropical Organisms: New Insights into an Old Riddle”. University of Gothenburg, Main supervisor: Lennart Andersson and Claes Persson, co-advisors: Isabel Sanmartín, Roger Eriksson)
- MSc (July 2003, Biology; University of Gothenburg)
- Biology, undergraduate studies (1996, Universidade Estadual de Campinas, Brazil)

PEDAGOGICAL COURSES:

- Teaching science at undergraduate level, 3 hp (2003)
- Pedagogy, within Introductory course for PhD students, 1.5 hp (2004)
- Teaching and Learning in Higher Education, HPE101, 5 hp, basic level (2012)
- Supervision in Postgraduate Programmes HPE201, 5 hp, advanced level (2013)
- Supervision for the Experienced Supervisor in Third Cycle Education HPE202, 5 hp, advanced level (2013)
- Teaching and Learning in Higher Education, HPE103: applied analysis, 5 hp (2014)
- Coaching in Academic Situations (2015)

PARENTAL LEAVE

- c. 9 months, between 2004 – 2012

SUPERVISION AND MENTORING:

[Current: As main supervisor/mentor]

1. Dominic Bennett (SSF Postdoc, 2017-2019, “Big data phylogenetics”)
2. Juan Carrillo (SNF Postdoc, 2017-2019, “Contrasting evolutionary radiations in rodents”)
3. Andres Cortes (VR Postdoc, 2016-2018, “Plant evolution in the world’s fastest evolving hotspot”)
4. Pavel Matos (Marie Curie Postdoc, 2017-2018, “The evolution of Neotropical butterflies”)
5. Helene Aronsson (MSc, 2017-2018, “Evaluating the ranges of all bird species”). Co-supervisors: Alexander Zizka and Søren Faurby
6. Thaís Guedes (FAPESP Postdoc, 2015–2017, “Biogeography of Neotropical snakes”). Co-mentor: Ricardo Sawaya, Brazil.
7. Tobias Hoffmann (PhD, 2016–2019, “Molecular and fossil-based approaches to macroevolution”). Co-supervised by Daniele Silvestro.
8. Jonna Eriksson (PhD, 2014–2018, “Phylogenetic approaches for tackling polyploid taxa”). Co-supervised by Bernard Pfeil.
9. Harith Omar Morgadinho Farooq (PhD, 2016-2019, “Diversity and evolution of the East African herpetofauna”).
10. Camila Duarte Ritter (PhD, 2014–2017, “Assessing biodiversity: beyond the taxonomic impediment”). Co-supervised by Henrik Nilsson.
11. Josué Anderson (PhD, 2015–2019 "Evolution of Neotropical snakes"). Co-supervised by Thaís Guedes and Daniele Silvestro

[Current: As committee member]

12. Myriam Ramírez Herranz (PhD, 2017–2019 "Macroevolutionary patterns of neotropical psittacines"). Supervised by Francisco Squeo and Dr. Rodrigo S. Ríos. University of La Serena. Chile

[Current: As co-supervisor]

13. Patrik Cangren (PhD, 2016-2019, "Species delimitation and evolution of *Silene*"). University of Gothenburg. Main supervisor: Bengt Oxelman.

14. Hanna Johansson (MSc, 2017-2018, "Biodiversity patterns in birds"). University of Gothenburg. Main supervisor: Søren Faurby

15. Oskar Gran (PhD, 2016-2020, "Beetle diversity in Swedish forests"). University of Gothenburg. Main supervisor: Frank Götmark.

16. Beatriz Nevez (PhD, 2016-2019, " Phylogenetic relationships in *Vriesea* (Tillandsioideae, Bromeliaceae)", National Museum Rio de Janeiro, Brazil. Main supervisor: Andrea Costa)

17. Francesco Belluardo (PhD, 2017-2020, "Studying colonization history and within-island diversification to unveil the micro- and macro-evolution of Madagascar biodiversity", CIBIO/InBio, Portugal. Main supervisor: Angelica Crottini)

18. Ruud Scharn (PhD, 2016-2020, "Biodiversity responses to climate change in alpine zones", Department of Geosciences, University of Gothenburg. Main supervisor: Robert Björk)

19. Bruno Amorim (PhD, 2016, "Evolution of Neotropical Myrtaceae", Federal University of Pernambuco, Brazil. Main supervisor: Marcus Alves)

20. Emke de Weerd (PhD, 2015–2019, "Adding biodiversity to Life Cycle Analyses", Chalmers University of Technology, Sweden. Main supervisors: Anne-Marie Tillman, Ulrika Palme

21. Esther Nieto (PhD, 2014–2017 "Explaining the biological diversity in the Neotropics: An evolutionary approach"). Main supervisor: Julissa Roncal (Canada)

22. Paola Ferreira (PhD, 2015–2017, "Phylogeny and biogeography of Asteraceae", USP-São Paulo, Brazil). Main supervisor: Milton Groppo.

23. Erica Barroso (PhD, 2014–2016, "Unravelling Patterns of Neotropical Plant Diversity"). Main supervisor: Elena Conti (Switzerland); together with Jürg Schönenberger (Austria)

24. Romina Batista (PhD, 2013-2017 "Phylogeny and Biogeography of the genus *Turdus* using genomic techniques"). Together with Camila Ribas (Brazil)

25. Alessandra Marques de Paiva (PhD, 2014–2016 "Taxonomy, Phylogeny and Biogeography of *Remijia*, Rubiaceae: Cinchoneae"). Main supervisor: Ruy Alves (Brazil)

Past students/post-docs:

[As main supervisor/mentor]

26. Alexander Zizka (PhD, 2013–2018, "Big Data in Biodiversity"). Co-supervised by Christine Bacon.

27. Laura Lagomarsino (NSF Postdoc, 2015–2017, "Evolution of Neotropical lobelioids"). Co-primary mentor: Nathan Muchhala, USA.

28. Åsa Kullin (BSc, 2016–2017, "Prioritizing orchid species in greenhouses")

29. Christine Bacon (ERC Postdoc, 2012–2016, "Sympatric speciation in the Amazon")

30. Daniele Silvestro (Postdoc, 2012–2015, "Macro-evolutionary analyses based on fossils")

31. Diogo Provete (CAPES Postdoc, 2015, "Atlantic rain forest refugia and amphibians")

32. Fabien Condamine (Postdoc, 2014-2015, "Large-scale biogeography")

33. Fernanda Carvalho (Post-doc 2014, "Biome shifts and diversification in the Neotropics")

34. Tobias Hofmann (MSc, 2013-2015 "Bird phylogenetics and Ultra-Conservative Elements"). Together with Urban Olsson (Sweden).

35. Sofie Bernhardsson (BSc, 2014-2015, "Biodiversity of Southern Brazilian grasslands"). Co-supervised by João Iganci.

36. Hanna Nomoto (BSc, 2014-2015, "Biodiversity of Southern Brazilian grasslands"). Co-supervised by João Iganci.

37. Ruud Scharn (MSc, 2012–2014, "Phylogeny, dating and biogeography of Gentianales")

38. Mats Töpel (Postdoc, 2012, "Bioinformatic pipelines for biogeography", Sweden)

39. Sofie Bernhardsson (BSc, 2012, "Threats to Amazonian biodiversity", University of Gothenburg, Sweden)

40. Marion Jannes (BSc, 2008, "Biogeography of the Afro-American genus *Reinealmia*", University of Gothenburg, Sweden)

41. Alexandre Fernandes (Postdoc, 2012-3 "Biogeography of open habitat birds in S America", Museu Paraense Emilio Goeldi, Brazil. Together with: Alexandre Aleixo (Brazil)
42. Lovisa Gustafsson (MSc, 2007, "Evolution of genus *Hoffmannseggella*", University of Gothenburg, Sweden)
43. Kaisa Carlgren (BSc, 2007, "Pollination of *Cypripedium calceolus* in Sweden", University of Gothenburg, Sweden)

[As co-supervisor]

44. Victor Gonçalves (PhD, 2015–2016, "Systematics and biogeography of *Pavonia*"). Main supervisor: Marília Duarte (Brazil). Co-supervisor: Bernard Pfeil
45. Angela Cano. (PhD, 2015 "Assembly of the Panamanian palm flora"). Main supervisor: Mathieu Perret (Switzerland, Université de Genève)
46. Maria Ariza (MSc Erasmus Mundus, 'Co-evolution of bats and *Piper*'). University of Gothenburg/Université Poitiers. Main supervisor: Christine Bacon
47. Carla Maldonado (PhD, 2013-2016, "The quest for Cinchona", Natural History Museum, Denmark). Main supervisor: Nina Rønsted (Denmark)
48. Orachorn Mekkerdchoo (PhD, 2012-2016, "Glucomannan variation in *Amorphophallus*", Chulalongkorn University, Thailand. Main supervisor: George Szrednicki)
49. Mentor for Thomas Hasper, PhD, 2012-2016. University of Gothenburg, Sweden. Main supervisor: Johan Uddling
50. Maria do Céu Rodrigues Pessoa (PhD, 2014–2015, "Phylogeny and revision of *Chomelia* (Rubiaceae)". Main supervisor: Maria Regina Barbosa (Brazil)
51. Climbiê Ferreira Hall (PhD, 2013–2015, "Biogeography of *Koellensteinia* (Orchidaceae)", USP-São Paulo, Brazil). Main supervisor: Fábio de Barros (Brazil)
52. Eder Chilquillo Torres (MSc, 2014-2016, "Taxonomy and Evolution of *Ladenbergia* (Rubiaceae)"). Main supervisor: André Simões; together with Charlotte Taylor (Brazil)
53. Amber Woutersen (BSc, 2015, "Origins and evolution of *Nitraria* in Tibet"). Co-supervised by Carina Hoon.
54. Fernanda Freitas (PhD, 2014-2015, "Systematics and biogeography of *Senecioneae*", Federal University of Minas Gerais, Brazil). Main supervisor: João Aguiar.
55. Marcela Firens (PhD, 2013-2015, "Phylogeny and biogeography of *Manettia* (Rubiaceae)", UNICAMP, Brazil. Main supervisor: Luiza Kinoshita)
56. Rosemeri Morokawa (PhD, 2014, "Evolution of Neotropical Apocynaceae", UNICAMP, Brazil. Main supervisors: Luiza Kinoshita, André Simões)
57. Gislaine Rodrigues (PhD, 2012, "Phylogeography of *Cereus hildmannianus*", USP-Ribeirão Preto, Brazil. Main supervisor: Maura Manfrin)
58. Gustavo Heiden (PhD, 2014, "Biogeography of *Baccharis* (Asteraceae)", USP-São Paulo, Brazil). Main supervisor: José Rubens Pirani (Brazil)
59. Linda Odenman (MSc, 2014, Knowledge Based Entrepreneurship, SpeciesExplorer). Main supervisors: Anders Nilsson, Håkan Thorbjörnsson (Sweden)
60. Gabrielle Cederholm (MSc, 2014, Knowledge Based Entrepreneurship, SpeciesExplorer). Main supervisors: Anders Nilsson, Håkan Thorbjörnsson (Sweden)
61. Jakob Tilhon (MSc, 2014, Knowledge Based Entrepreneurship, SpeciesExplorer. SpeciesExplorer). Main supervisors: Anders Nilsson, Håkan Thorbjörnsson (Sweden)
62. Fernanda Calió (Postdoc, 2013 "Biogeography of *Anemopaegma* (Bignoniaceae)", USP-São Paulo, Brazil). Mentor: Lucia Lohmann
63. Lena Dahlström (MSc, 2008, "Inventory of the Jataí wetlands (Brazil, São Paulo)", SLU, Sweden. Main supervisor: Jens Jung)
64. Allan Timmerman (MSc, 2008, "Phylogeny of South American lobelioids", University of Aarhus, Denmark. Main supervisor: Mats Gustafsson)
65. Johan Blomby (BSc, 2004, "Utility of *ndhF* for the phylogeny of *Lobelioideae*", University of Gothenburg, Sweden. Main supervisor: Lennart Andersson)

HOSTING OF GUEST RESEARCHERS AND STUDENTS (>1 MONTH):

- Marcelo Tejedor. Centro Nacional Patagonico, Argentina (Professor; November 2016 – July 2017)
- Renato de Mello-Silva. Universidade de São Paulo (Professor; March – April 2014)

- Léa Bardon. University of Toulouse (PhD student; Nov 2013–Feb 2014)

TEACHING EXPERIENCE:

- 2018: PhD course: Biogeography. In: Plant Diversity and Evolution. Harvard University, USA. (invited lecture)
- 2017: Biodiversity Data in Ecology and Biogeography (workshop). University of Kiel, Germany. Botanikertagung 2017. With Alexander Zizka.
- 2016: "Discovery club" for 4th and 5th classes (c. 10–12 years-old). Arranged by the Faculty of Sciences, University of Gothenburg.
- 2015: MSc/PhD course: Diversity in time and space. Nordic Academy of Biodiversity and Systematic Studies.
- 2015–2016: Competition for 5th classes (~10/11 years-old): "Which plant is this?" Co-arrangement with Gothenburg Botanical Garden.
- 2015–onwards: MSc/PhD workshops: Academic Writing
- 2015: PhD course: Molecular Dating. Natural History Museum of Denmark, Copenhagen.
- 2014–2015: BIO217: Evolutionary Biology, First cycle. University of Gothenburg
- 2014: PhD course: Biogeography and Macroecology. University of Aarhus, Denmark (invited lectures)
- 2014: PhD course: Photography for biologists. University of Gothenburg (course leader together with Fredrik Plejel)
- 2014–onwards: Annual course for teachers in Sustainable development (ca. 70-100 students/lecture). Universeum Science Centre & University of Gothenburg.
- 2013: PhD course: Advanced methods in Neotropical Biogeography. Center for the study of biodiversity in Amazonia, Kourou, French Guiana, 10-12 October 2013;
- 2013: PhD course: Phylogenetic Systematics and Molecular Dating. Natural History Museum of Denmark, Copenhagen.
- 2012: Seminars at PhD course: Tropical Biodiversity. University of Gothenburg.
- 2012: PhD seminar at course: DNA Barcoding. Uppsala University.
- 2010: PhD course: Plant Diversity in the Tropics. Seminars in Gothenburg and field work in Ecuador.
- 2009: Seminars at PhD course: Angiosperm Plant Families. University of Zurich.
- 2008: Seminars at PhD course: Phylogeny and classification of Angiosperms, UNICAMP, Brazil.
- 2003 – 2008: Undergraduate courses: Floristics (basic and advanced levels), Biological Conservation, Ecology, Morphology & Systematics, Plant Diversity and Systematics, Systematic Biology. University of Gothenburg.

LANGUAGES:

- Portuguese, Swedish, English, Spanish, French: Fluent.
- German: European A2 level.

RESEARCH EXPERIENCE AND TECHNICAL SKILLS:

- Specimen collection (mainly plants and insects; but also lizards and frogs), identification, and databasing through extensive fieldwork in: Brazil, western Amazonia (2 weeks, July 2003); Brazil, Atlantic rainforest and cerrado (8 weeks, December 2013–February 2004); Costa Rica (2 weeks, September 2005); Panama (2 weeks, September 2005); Dominican Republic (2 weeks, 2016); September 2005); Sweden, Georgia, Austria, Greece [Crete] (2 weeks each, 2005); Iceland (2004); Switzerland (2009–2010); Ecuador (2 weeks, 2010); Brazil, central Amazonia (2 weeks, August 2010); Australia, Queensland (1 week, July 2011); Mexico, central highlands (2 weeks, August 2011); Brazil, pampas (1 week, November 2011); Uruguay (2 days, November 2011); Japan (2 weeks, August 2012); USA, Florida (1 week, January 2013); Colombia, Chocó and Andes (3 weeks, April 2013); Andes and eastern Colombia (2 weeks, January 2014); French Guiana (2 weeks, October 2013); Brazil, cerrado (1 week, April 2014); Peru, Andes and Amazon (3 weeks, April 2014); Bolivia, Andes (2 weeks, October 2015); Chile, Central and Southern (3 weeks, January 2016); South Africa (2 weeks, August–September 2016); Mozambique (2 weeks, October–November 2017); Panama (4 days, April 2018).
- Species identification of plants through herbarium work at UEC (Brazil); SCZ (Panama); HUA (Colombia); JBSD (Dominican Republic); InBio (Costa Rica); S, GB (Sweden); P (France); K,

RBGE (U.K.); MA (Spain); TBI (Georgia); Z, G (Switzerland); L, U (Netherlands); QCA (Ecuador).

- Extensive experience in laboratory techniques, including extracting, amplifying and sequencing DNA under standard Sanger techniques
- Currently leading the several projects employing next-generation sequencing (NGS) techniques, including hybrid sequence capture, transcriptomes, full genomes, and ultra-conservative elements
- Botanical nomenclature and taxonomy
- Phylogenetic inference and phylogenetic comparative methods
- Extensive experience leading bioinformatic projects (SUPERSMART, SpeciesGeoCoder, Infomap Bioregions, BioNote)
- Extensive experience using a large number of programs and scripts in evolution and ecology, including phylogenetic inference, biogeographic analyses, molecular dating, among others
- Intermediate knowledge of programming (R, Perl)

EXPERT TASKS:

GRANT AND PRIZE EVALUATIONS:

- **National Science Foundation**, USA (Research Grants); 2016, 2018
- German Centre for Integrative Biodiversity Research (iDiv); 2018
- Chilean National Science and Technology Commission; 2017
- **The Natural Environment Research Council of the UK (NERC)**; 2017
- The Royal Society, UK; 2017
- The Netherlands Organisation for Scientific Research (NWO); 2017
- **Ebbe Nielsen Challenge**, Global Biodiversity Information Facility; 2017
- **L'Oréal-Unesco For Women in Science (Research prize)**; 2016, 2017
- PhD proposal, State University of Feira de Santana; 2016
- **German Council of Science and Humanities (Wissenschaftsrat)**; Federal Ministry of Education and Research BMBF (National Roadmap for Research Infrastructures); 2016
- **Czech Science Foundation** (Research Grants); 2016
- **European Research Council** (Advanced Grants); 2015
- **Danish Council for Independent Research** (Natural Sciences, Biology panel; Advanced Projects; evaluating c. 35–50 applications / year); appointed member 2014–2017; Chair of Panel, 2017
- The Research Foundation Flanders, the Netherlands; 2016
- **American Association for the Advancement of Science (AAAS)**; 2014
- Executive Agency for Higher Education, Research, Development and Innovation Funding (Environmental protection and management); 2014
- **Swedish Research Council**: expert Swedish representative for new VR / FORMAS / CAPES programme in Climate Change Challenges between Sweden and Brazil, 2014
- Swedish Research Council: Invited external evaluator, SciLifeLab, 2015
- National Research Council of Romania (moderator in Biology & Ecology); 2012
- **National Geographic Society**; 2011, 2012, 2014, 2017
- **German Research Foundation DFG**; 2011

EVALUATION OF THESES AND PROMOTIONS:

- PhD, Théo Gaboriau, University of Montpellier, France (2018) [committee]
- PhD, M. Sathya, Pondicherry University, India (2018) [committee] (planned)
- DSc, Andimuthu Ramachandran, Anna University, India (2018) [referee] (planned)
- PhD, Julien Troudet, University of Sorbonne, France (2017) [committee]
- PhD, Jana Ebersbach, Leipzig University, Germany (2017) [committee]
- Promotion, Dr. Kyle Dexter, The University of Edinburgh, UK (2017) [referee]
- PhD, Hugh Burley, University of New South Wales, Australia (2017) [committee]
- PhD, Fabian Roger, University of Gothenburg (2017) [committee]
- PhD, Brigitte Nyirambangutse, University of Gothenburg (Dec 2016) [committee]
- Professorship, Dr. Arthur Bos, American University in Cairo (2016) [referee]
- PhD, Brigitte Nyirambangutse, University of Gothenburg (Dec 2016) [committee]
- Professorship (Habilitation), Dr. Jerome Murienne, CNRS, France (Nov 2015) [referee]
- PhD, Gwendolyn Peyre, Barcelona University (May 2015) [opponent]

- PhD, Léa Bardon. University of Toulouse (May 2015) [opponent]
- PhD, Anna Runemark. University of Lund (May 2012) [committee]
- PhD, Wolf L. Eiserhardt. University of Aarhus (Sept 2011) [opponent]
- MSc, Mats Töpel. University of Gothenburg (2003) [opponent]

PEER-REVIEW FOR SCIENTIFIC JOURNALS:

- *African Journal of Microbiology Research; American Journal of Botany; **American Naturalist**; Annals of Botany; Annali Botanici Fennici; AoB PLANTS; Applied Vegetation Science; Arthropod-Plant Interactions; Australian Journal of Botany; **Biological Journal of the Linnean Society**; Biological Reviews; Biotropica; Botanical Journal of the Linnean Society; **BMC Biology**; **BMC Plant Biology**; Brittonia; Cambridge University Press; Ecography; **Ecology Letters**; **Evolution**; **Evolutionary Ecology**; Elsevier Academic Press; **Frontiers of Biogeography**; **Frontiers in Ecology and Evolution**; **Frontiers in Genetics**; **Gene**; **Geobiology**; **Geological Journal**; **Global Ecology and Biogeography**; **Heredity**; **Journal of Biogeography**; **Journal of Evolutionary Biology**; **Journal of Geography and Regional Planning**; **Landscape and Urban Planning**; **Methods in Ecology and Evolution**; **Molecular Ecology**; **Molecular Ecology Resources**; **Molecular Phylogenetics and Evolution**; **Natur och Kultur**; **Nature**; **Nature Communications**; **Nature Ecology and Evolution**; **New Phytologist**; **Nordic Journal of Botany**; **Oecologia**; **Organisms Diversity and Evolution**; **Perspectives in Plant Ecology, Evolution and Systematics**; **PhytoTaxa**; **Plant Systematics and Evolution**; **PLoS Biology**; **PLoS One**; **Proceedings of the National Academy of Sciences of the USA**; **Proceedings of the Royal Society B**; **Quaternary Science Reviews**; **Regnum Vegetabile**; **Rodriguesia**; **Scientia Danica Series B**; **Scientific Reports**; **Systematic Biology**; **Systematic Botany**; **Taxon**; **Trends in Ecology and Evolution**.*

EDITORSHIP:

CURRENT:

- Co-editor for book commissioned by Wiley: **Mountains, Climate and Biodiversity** (under production; published in March 2018; with Carina Hoorn and Allison Perrigo)
- Associate editor, **Systematic Biology** (2015–current)
- Associate editor, **Journal of Biogeography** (2015–current)
- Associate editor, **Journal of Systematics and Evolution** (2014–current)

PREVIOUS:

- Associate editor, **Botanical Journal of the Linnean Society** (2011–2016)
- Associate editor, **PhytoTaxa** (2011–2016)
- Main editor for special volume of **Botanical Journal of the Linnean Society** (2012) (with Toby Pennington, Colin Hughes and Mike Fay)

PRIZES AND DISTINCTIONS:

- **Cisneros Visiting Scholar** of the David Rockefeller Center for Latin American Studies at **Harvard University** (2018)
- 'Sweden's 100 coolest researchers' (2017)
- Full complimentary membership, The Society for Experimental Biology (2017-2018)
- **Ebbe Nielsen Award**, 2nd prize (2016) [to A. Zizka, D. Silvestro & A. Antonelli]
- Elected member of the **Royal Society of Arts and Sciences in Gothenburg** (2016 – onwards)
- Elected member of the **Young Academy of Sweden** (May 2016 – May 2021)
- **Future Research Leader** (2016)
- **The Faculty of Science Research Award** (2015)
- **Wallenberg Academy Fellow** (2014)
- Elected member of the **Young Academy of Europe** (July 2013 – onwards)
- Nominated to the Tage Erlanders prize (2017, by Faculty of Science)
- Second best oral presentation, 10th meeting of the Swiss Biological societies (Biology10, 2010)
- Best poster presentation, 4th Meeting of the International School of Biodiversity Sciences (2006)

GRANTS (SELECTION):

As main applicant:

- 2017: **Harvard University**, David Rockefeller Center for Latin American Studies (USD 25.000; for sabbatical Jan-June 2018)
- 2017: Faculty of Sciences, University of Gothenburg, Sabbatical program (SEK 1.164.000; for sabbatical Jan-June 2018)
- 2017: Wenner-Gren Foundation, Sabbatical program (SEK 140.000; for sabbatical Jan-June 2018)
- 2017: **Biodiversity and Ecosystem services in a Changing Climate** (SEK 2.400.000; postdoc grant, “Integrating past and future models to mitigate the impact of global change on biodiversity”, 2018-2019). Co-applicants: Christine Bacon, Rutger Vos, Johan Ekroos, Niklas Wahlberg.
- 2017: University of Gothenburg, Faculty of Science Sabbatical Programme (SEK 1.164.000 for period 2018-2019)
- 2016: **Swedish Foundation for Strategic Research, Future Research Leaders** (SEK 12.000.000; "New tools to study and protect biodiversity" during 2017-2021)
- 2016: Gothenburg Global Biodiversity Centre (EUR 165.000, 2017-2019)
- 2017: Biodiversity and Ecosystem services in a Changing Climate (SEK 200 000; 2017-2018)
- 2016: Biodiversity and Ecosystem services in a Changing Climate (SEK 390 000; under 2016-2018)
- 2015: **European Research Council** Proof of Concept (EUR 150.000; “BioNote – A crowdsience platform for identifying and learning about all species on Earth” during 2016)
- 2015: SciLifeLab (SEK 294.000; “Testing Traditional Plant Knowledge with Phylogenomics” during 2016)
- 2015: **Swedish Research Council** (SEK 4.000.050; “Assessing biodiversity: Beyond the taxonomic impediment” during 2016–2019)
- 2015: **Wallenberg Academy Fellowship** (SEK 7.500.000; “The rise and fall of species” during 2015–2020)
- 2015: Infrastructure grant, Faculty of Sciences, University of Gothenburg (SEK 400.000)
- 2015: **The Faculty of Sciences Research Award**, University of Gothenburg (SEK 250.000)
- 2015: Strategic funding from the University of Gothenburg (SEK 3.750.000 during 2015–2020)
- 2015: Gothenburg Centre for Advanced Studies in Science and Technology (SEK 50.000)
- 2014: Infrastructure grant, Faculty of Sciences, University of Gothenburg (SEK 500.000)
- 2014: SciLifeLab Bioinformatics Long-term Support (500 hours of bioinformatics support; “Next-Gen Phylogenetics”)
- 2013: **European Research Council Starting Grant** (EUR 1.500.000 during 2013–2017; “The Past, Present and Future of Neotropical Biodiversity”)
- 2013: Strategic funding from the University of Gothenburg (SEK 3.750.000 during 2013–2017)
- 2013: Carl Tryggers Stiftelse for a post-doc and equipment (SEK 295.500)
- 2012: **Swedish Research Council** (SEK 4.800.000 during 2012–2015) (“Neotropical Diversification: When, Where and How?”)
- 2012: Carl Tryggers Stiftelse for a post-doc (EUR 31.000), Wenner-Gren for a post-doc (EUR 34.100), The Johan & Jacob Söderbergs Foundation (EUR 11.000); Helge Axson Johnson (EUR 5700) and Wilhelm and Martina Lundgren (EUR 1360) for sequencing; Adlebert Research Foundation (EUR 2000) and Wenner-Gren (EUR 1360) for travels.
- 2011: Carl Tryggers Foundation (EUR 31.300) for research; the Royal Society of Arts and Sciences in Göteborg (EUR 3.300) for fieldwork; Längmanska Kulturfonden (EUR 3.300) for conference costs; Martina Lundgren (sek 3.800) and Helge Axson Johnsons Foundation (EUR 3.300) for equipment
- 2010: The Royal Swedish Academy of Sciences (EUR 16.900) for fieldwork; The Royal Society of Arts and Sciences in Göteborg (EUR 4.100) for fieldwork; Lars Hiertas Minne (EUR 2.750) for equipment; Wenner-Gren (EUR 1.540) for conference costs; Wilhelm and Martina Lundgren (EUR 1.650) for research costs; Systematics Association (EUR 1.900) for equipment

As co-applicant:

- European Training Network/ITN H2020 (€4.062.035); main applicant Hugo de Boer
- Vinnova (SEK 300 000, 2017); main applicant Alexander Eiler
- Lundbeck foundation (EUR 225.000 during 2015–2016); main applicant Nina Rønsted
- Carlsberg foundation (EUR 175.000 during 2012–2013); main applicant Nina Rønsted
- Freja Stipendium (EUR 309.000 during 2012-2013); main applicant Nina Rønsted

- National Natural Science Foundation of China (EUR 27.200 during 2013–2015); main applicant Qjang Zhang
- Venezuelan Research Council (EUR 54.000 during 2013–2015); main applicant Mauricio Bermudez

COMMISSIONS OF TRUST:

- Co-PI and Deputy Theme Coordinator ("Identifying efficient strategies for biodiversity conservation under the combined pressures from climate change and land use change"). BECC programme - Biodiversity and Ecosystem services in a Changing Climate
- Member of collaboration committee between the University of Gothenburg and Gothenburg Botanical Garden (2017-07-01 – 2020-06-30)
- Member of reference board, Swedish National Infrastructure for Computing (SNIC) / UGOT
- Member of reference board, project 'Medicinareberget' (University of Gothenburg; 2015–2016)
- Member of nomination committee, Swedish Systematics Association (2015–2016)
- Regular consultant for PhD evaluations and grant writing workshops at GU
- **Founder (2011) and coordinator, NNB – Network for Neotropical Biogeography** (<http://nnb.myspecies.info/>); now merged with the Red Latinoamericana para el Estudio de la Biogeografía Neotropical (<http://www.red-bion.ikiam.edu.ec/>)
- Moderator, "The Societal Value of Science". University of Gothenburg, December 2011
- Member of Advisory Board for science education, Faculty of Sciences at University of Gothenburg (2010 – current)
- Appointed member of Swedish network for pedagogic development in higher education (2013 – current)
- Appointed member of Supervisor Panel, University of Gothenburg (2014 – current)
- Appointed member of Advisory Board, University Library (2005–2008)
- Appointed member of 'Dots to Surfaces' Task Force, Global Biodiversity Information Facility (2015–onwards)
- Treasurer, Silverkällan Housing Society (2004–2007)

MEDIA COVERAGE AND OUTREACH:

- 21-minute documentary "**Searching for Nature's Miraculous Medicines**" shown on **Swedish National Television** SVT 2 (12, 14 and 16 March 2018).
- Featured seven times in *Science* magazine in the columns "**Editor's Choice**" (in text and images), in the **Editorial**: *Science* 324: 1366 (2009), *Science* 330: 153 (2010), *Science* 332: 15 (2011), *Science* (19 July 2013), *Science* 348: 6236 (2015), *Science* 350: 6260 (2015, plus a related *Science* podcast), and in "News": (20 April 2016).
- Radio interviews with **Swedish Radio** P1 (29 Dec 2016, 13 Aug 2015, 3 March 2017, 30 March 2017), P4 (20 Nov 2017, 29 Dec 2016, 30 Sept 2016, 02 July 2010, 10 May 2011, 9 June 2011, 15 February 2012, 28 April 2012, 26 June 2012), **Canada Radio** (9 April 2017)
- **Week-long program** on orchids with **Swedish Radio** P4, 14–18 March 2011.
- Video interviews: **Swedish TV** SVT 1 (31 May 2017; 10-min documentary), SVT 1 (08 November 2010), University of Gothenburg (2016; <https://youtu.be/-wcezd8bZ3Q>), Wallenberg Foundation (2016)
- Popular science presentation on the Open TV Channel
- Featured in the media by interviews and highlights on journals, newspapers and websites: Extrakt.se ([12 February 2018](#)), Swedish TV SVT (19 Nov 2017), GBIF Science Review 2016, Daily Mail, Science Daily, Times of India, IBC World News (August 2015), Scientific American (15 June 2012), Curie (April 2014), Bioneuws (19 Feb 2011), Naturvetenskapliga utbildningar 2014-2015 (November 2013), Fauna & Flora (January 2011), Naturvetaren (December 2010), Allt om Trädgård (Oct 2015, Mac 2017), Hemträdgården (August 2010), Göteborgs Direkt (30 Dec 2016), Dagens Industri / Framtidens Forskning (29 June 2017), Göteborgs Posten (August 2015, 09 June 2009, 02 July 2010, 10 May 2011, 5 March 2012, 2 April 2012, 25–26 June 2012, 25 August 2012, 15 September 2012, 28 February 2013, 14 May 2013, 30 Nov 2015, 8 Jan 2017), Wermlands-posten (28 Feb 2012), University of Gothenburg's journal GUSpegel (nr 1, 2009), the Faculty of Science's magazine (nr 1, 2009; 2015; front page: <http://sciencefacultyjournal.se/allanummer/>), Metro (10 May 2011, 25 April 2012, November 2015), Biodiverse (November 2006), Kreativa Rum (May 2008), Aftonbladet (28 April 2012), Gullheden (September 2012), GU

Journalen (April 2016, Front page and 'monthly profile' interview

<https://issuu.com/universityofgothenburg/docs/gu-journalen2-2016>; December 2016,

<https://issuu.com/universityofgothenburg/docs/guj6-2016/16>); Wired.com [May 2016])

- Featured online several times by Frontiers in Biogeography (Vol. 1, Nr. 1, September 2009), Science Daily, Expertsvar, Scientific Blogging, Yuba Net, Allt om Vetenskap, Forskning.se, Sundweb, YouTube (via ScientificStation.com), Wissenschaft-online.de, GBIF Science Review (2016)
- *PNAS*-paper (2015) featured in dozens of newspapers and TV around the world
- *Science*-paper (2010) featured in over 65 newspapers worldwide, including personal interviews with several
- *PNAS*-paper (2009) featured in over 30 newspapers in Latin America and Europe
- Cover images of journals: *Proceedings of the Royal Society Series B*, *Journal of Systematics and Evolution*, *Communicative & Integrative Biology*, *Systematic Biology*

EVENT ORGANISATION:

- Second main organiser, symposium “Frontiers in parametric biogeography”. Evolution. Guarujá, Brazil, June 2015 (with James Albert)
- Co-organiser, Swedish Systematics Meeting. Gothenburg, November 2014
- Co-organizer, 15th Nordic Meeting on Tropical Botany, Copenhagen 13-15 August 2014 (with Nina Rønsted, Mette Wenøe and others)
- Second main organiser, 2nd Meeting of the Network for Neotropical Biogeography, Miami, 14 January 2013 (with Christine Bacon)
- Session organizer, Neotropical Biogeography, International Biogeographic Society meeting, Florida, 9–13 January 2013 (with Catherine Graham, Daniel Gavin)
- Main organizer, 14th Nordic Meeting on Tropical Botany, Göteborg 6-8 August 2012 (with Claes Persson, Roger Eriksson, Rosemeri Morokawa)
- Main organizer, symposium “Neotropical Plant Evolution: Assembling the Big Picture”. 18th International Botanical Congress, Melbourne, Australia 23–30 July 2011 (with Toby Pennington, Colin Hughes)
- Second main organizer, conference on Niche Evolution, University of Zurich, 2-3 July 2009. (with Peter Linder, Rafael Wüest)
- Co-organizer, Swedish Systematics Meeting. Gothenburg, November 2010
- Co-organizer, Symposium “Cenozoic plants and biosphere surrounding them”. International Palynological Conference, 23-30 August 2012, Tokyo, Japan (with Carina Hoorn, Andre Pardo)
- Main organizer, exhibition ‘Orchid Extravaganza’, Gothenburg Botanical Garden (2011; 2012)
- Main organizer, exhibition ‘Desert Life (Succulents and cacti)’, Gothenburg Botanical Garden (2012)
- Co-organizer, exhibition ‘A fair and organic Christmas’, Gothenburg Botanical Garden (2010) (with Mats Havström)
- Co-organizer, exhibition ‘Threats to Amazonia’, Gothenburg Botanical Garden (2011) (with Friends of the Earth)
- Many workshops (including bi-annual lab meetings with c. 20 people each time) at the Department of Biological and Environmental Sciences, GU, together with students and post-docs
- Co-organizer in “Floristics competition”, an annual outreach activity between GU and the Botanical garden for 5th-grade students (c. 11 years old) 2015– onwards

OTHER OUTREACH ACTIVITIES

- Expedition Mundus: Game played with kids from the 7-9 grades to understand and discuss the scientific process. Gothenburg Science Festival, 9 & 16 May 2017 (with the Young Academy of Sweden)
- Science Café: Can we trust research? with the Young Academy of Sweden & Kirsten Knudsen (12 May 2017)

NEW TAXA

- *Ciliosemina* Antonelli (plant family Rubiaceae)
- *Ciliosemina pedunculata* (H.Karst.) Antonelli (plant family Rubiaceae)
- *Ciliosemina purdieana* (Wedd.) Antonelli (plant family Rubiaceae)

- *Cordia montana* C. H. Perss., Delprete & Antonelli (plant family Rubiaceae)
- In honour: *Siphocampylus antonellii* Lagom. & D. Santam. (plant family Campanulaceae)

PUBLICATION LIST

(★ indicates 10 selected publications).

For current citation statistics in Google Scholar please visit: <http://tiny.cc/antonelli>

ARTICLES IN PEER-REVIEWED JOURNALS (ACCEPTED/IN PRESS):

1. **Antonelli, A.**, Zizka, A., Antunes Carvalho, F., Scharn, R., Bacon, C.D., Silvestro, D., Condamine, F.L. **Amazonia is the primary source of Neotropical biodiversity** (2018, in press) *Proceedings of the National Academy of Sciences of the USA*. DOI: 10.1073/pnas.1713819115
2. Andermann, T., Fernandes, A., Olsson, U., Töpel, M., Pfeil, B., Oxelman, B., Aleixo, A., Faircloth, B.C., **Antonelli, A.** (2018, in press). Allele Phasing Greatly Improves the Phylogenetic Utility of Ultraconserved Elements. *Systematic Biology*. DOI: 10.1093/sysbio/syy039
3. Jaramillo, J., Montes, C., Cardona, C., Silvestro, D., **Antonelli, A.**, Bacon, C.D. (2018) Comment to “Formation of the Isthmus of Panama: Response to Jaramillo et al.”. *Science Advances* 3 (6), e1602321. DOI: 10.1126/sciadv.1602321 (eLetter, 26 April 2018)
4. Ritter, C.D., Zizka, A., Barnes, C., Nilsson, R.H., **Antonelli, A.** (in press) Locality or habitat? Exploring predictors of biodiversity in Amazonia. *Ecography*.
5. **Antonelli, A.** (in press). Neotropical Biogeography: Regionalisation and Evolution [book review]. *Quarterly Review of Biology*.
6. Faurby, S., Davis, D., Pedersen, R.Ø., Schowanek, S.D., Antonelli, A., Svenning, J.-C. (in press) PHYLACINE 1.2: The Phylogenetic Atlas of Mammal Macroecology. *Ecology*
7. Faurby, S., **Antonelli, A.** (accepted pending minor revision), Evolutionary and ecological success is decoupled in mammals. *Journal of Biogeography*
8. Pérez-Escobar, O. A., R. Cámara-Leret, **A. Antonelli**, R. Bateman, S. Bellot, G. Chomiccki, A. Cleef, M. Diazgranados, S. Dodsworth, C. Jaramillo, S. Madriñan, I. Olivares, A. Zuluaga and R. Bernal (2018). "Mining threatens Colombian ecosystems." *Science* 359(6383): 1475-1475.
9. Bacon CD, Velásquez-Puentes FJ, Hoorn, C., **Antonelli A.** (in press) Iriarteae palms tracked the uplift of Andean Cordilleras. *Journal of Biogeography*
10. Hagen, O., Andermann, T., Quental, T.B., **Antonelli, A.**, Silvestro, D. (in press). Bayesian Estimation of Age-dependent Extinction from Incomplete Fossil Data. *Systematic Biology* <https://doi.org/10.1093/sysbio/syx082>
11. Silva, G.A.R., **Antonelli, A.**, Moraes, E.M., Lendel, A., Manfrin, M.H. (2018) The impact of early Quaternary climate change on the diversification and population dynamics of a South American cactus species. *Journal of Biogeography* 45:76–88.
12. Eiserhardt, W., **A. Antonelli**, D.J. Bennett, L.R. Botigue, J.G. Burleigh, S. Dodsworth, B.J. Enquist, F. Forest, J.T. Kim, A.M. Kozlov, I.J. Leitch, B.M. Maitner, S. Mirarab, W.H.Piel, O.A. Perez-Escobar, L. Pokorny, C. Rahbek, B. Sandel, S.A. Smith, A. Stamatakis, R.A. Vos, T. Warnow, W.J. Baker. (2018). A roadmap for global synthesis of the plant tree of life. *American Journal of Botany* 105(3): 1–9.
13. Cano, A., Bacon, C.D., Stauffer, F.W., **Antonelli, A.**, Serrano-Serrano, M.L., Perret, M. (2018, in press) The roles of dispersal and mass extinction in shaping palm diversity across the Caribbean. *Journal of Biogeography*. DOI: 10.1111/jbi.13225

14. **Antonelli, A.** and Perrigo, A. (2018) The science and ethics of extinction. *Nature Ecology and Evolution*. DOI:10.1038/s41559-018-0500-z
15. Zizka, A. and **Antonelli, A.** (2018) Mountains of diversity. *Nature* 555: 173–174. DOI:10.1038/d41586-018-02062-6
16. **Antonelli, A.** and Perrigo, A. (2018) The pitfalls of taking science to the public. *Science* 359 (6373): 283.
17. Eriksson, J.S., de Sousa, F., Bertrand, Y.J.K., **Antonelli, A.**, Oxelman, B., Pfeil, B.E. (2018) Allele phasing is critical to revealing a shared allopolyploid origin of *Medicago arborea* and *M. strasseri* (Fabaceae). *BMC Evolutionary Biology* 18:9. DOI 10.1186/s12862-018-1127-z
18. Guedes, T.B., Sawaya, R.J., Zizka, A., Laffan, S., Faurby, S., Pyron, A., Bérnils, R.S., Jansen, M., Passos, P., Prudente, A.L.C., Cisneros-Heredia, D.F., Braz, H.B., Nogueira, C.C., **Antonelli, A.** (2018) Patterns, biases, and prospects in the distribution and diversity of Neotropical snakes. *Global Ecology and Biogeography* 27:14-21. DOI: 10.1111/geb.12679
19. Bacon CD, Velásquez-Puentes FJ, Hinojosa LF, Schwartz T, Oxelman B, Pfeil B, Arroyo MTK, Wanntorp L, **Antonelli A.** (2018) Evolutionary persistence in *Gunnera* and the contribution of southern plant groups to the tropical Andes biodiversity hotspot. *PeerJ* 6:e4388 <https://doi.org/10.7717/peerj.4388>
20. **Antonelli, A.** (2017) Drivers of bioregionalisation. *Nature Ecology and Evolution* 1, 0114. DOI: 10.1038/s41559-017-0114.
21. ★Lehtonen, S., Silvestro, D., Karger, D. N., Scotese, C., Tuomisto, H., Kessler, M., Peña, C., Wahlberg, N. & **Antonelli, A.** (2017): Environmentally driven extinction and opportunistic origination explain fern diversification patterns. *Nature Scientific Reports* 7: 4831. DOI:10.1038/s41598-017-05263-7.
22. Gonzalez, V.M., Pfeil, B.E., **Antonelli, A.** and Duarte, M.C. (2017) Two new species of *Pavonia*(Malvoideae, Malvaceae) from southern Bahia, Brazil. *Phytotaxa* 305, 97-103. <http://dx.doi.org/10.11646/phytotaxa.305.2.3>
23. Nieto Blazquez, E., **Antonelli, A.**, Roncal, J. (2017) Historical Biogeography of endemic seed plant genera in the Caribbean: did GAARlandia play a role? *Ecology and Evolution* 7(23): 10158–10174. doi: 10.1002/ece3.3521
24. Jaramillo, J., Montes, C., Cardona, C., Silvestro, D., **Antonelli, A.**, Bacon, C.D. (2017) Comment on “Formation of the Isthmus of Panama” by O’Dea et al. *Science Advances* 3 (6), e1602321. DOI: 10.1126/sciadv.1602320
25. Perez-Escobar, O.A., Chomicki, G., Condamine, F.L., Karremans, A.P., Bogarin, D., Matzke, N., Silvestro, D., **Antonelli, A.** (2017). Recent origin of Neotropical orchids in the world’s richest plant biodiversity hotspot. *New Phytologist* 215(2):891-905. DOI: 10.1111/nph.14629.
26. Albert, J.S., **Antonelli, A.** (2017). Society for the Study of Systematic Biology symposium: Frontiers in Parametric Biogeography. *Systematic Biology* 66(2):125–127. DOI:10.1093/sysbio/syx036
27. Rova, J., Persson, C., Ljungstrand, E., **Antonelli, A.** (2017) Lectotypification of *Pentagonia macrophylla* Benth. (Rubiaceae). *Phytotaxa* 311 (3): 288–292. DOI: <http://dx.doi.org/10.11646/phytotaxa.311.3.10>
28. Bacon, C.D., Moraes, M., Jaramillo, C., **Antonelli, A.** (2017) Endemic palm species shed light on habitat shifts and the assembly of the Cerrado and Restinga floras. *Molecular Phylogenetics and*

29. ★ **Antonelli A**, Hettling H, Condamine FL, Hettling H, Nilsson K, Nilsson RH, Oxelman B, Sanderson MJ, Sauquet H, Scharn R, Silvestro D, Töpel M, Vos RA. (2017) SUPERSMART: ecology and evolution in the era of big data. *Systematic Biology* 66(2):152–166. doi: 10.1093/sysbio/syw066 [Featured in F1000Prime]
30. Töpel, M., Zizka, A., Calió, M.F., Scharn, R., Silvestro, D., **Antonelli, A.** (2017) SpeciesGeoCoder: Fast categorisation of species occurrences for analyses of biodiversity, biogeography, ecology and evolution. *Systematic Biology* 66(2):145–151 doi: 10.1093/sysbio/syw064
31. Edler, D., T. Guedes, A. Zizka, M. Rosvall, and **A. Antonelli.** (2017). Infomap Bioregions: Interactive mapping of biogeographical regions from species distributions. *Systematic Biology* 66(2):197–204. DOI: 10.1093/sysbio/syw087
32. Ritter, C.D., McGrate, G., Nilsson, R.H., Fearnside, P.M., Palme, U., **Antonelli, A.** (2017) Environmental Impact Statement: Challenges and prospects in biologically diverse environments in Brazilian Amazonia. *Biological Conservation* 206:161–168.
33. Zizka, A., ter Steege, H., Pessoa, M.C.R, **Antonelli, A.** (2017) Finding needles in the haystack: Where to look for rare species in the American tropics? *Ecography* DOI: 10.1111/ecog.02192
34. Maldonado, C., Persson, C., Alban, J., **Antonelli, A.**, Rønsted, N. (2017) *Cinchona anderssonii* (Rubiaceae), a new overlooked species from Bolivia. *PhytoTaxa* 297 (2) 203–208. doi:<http://dx.doi.org/10.11646/phytotaxa.297.2.8>
35. Pessoa, M.C.R, Persson, C., **Antonelli, A.**, Barbosa, M.R.V. (2017) First record of *Chomelia triflora* (J.H. Kirkbr.) Delprete & Achille (Rubiaceae) from Brazil. *Check List* 13(4): 159–162. <https://doi.org/10.15560/13.4.159>
36. Condamine, F., Leslie, A., **Antonelli, A.** (2017) Ancient islands acted as refugia and pumps for conifer diversity. *Cladistics* 33: 69–92. doi:10.1111/cla.12155
37. Claudel, C., Buerki, S., Chatrou, L., **Antonelli, A.**, Alvarez, N., Hetterscheid, W. (2017) Large-scale phylogeny of *Amorphophallus* (Araceae) derived from nuclear and plastid sequences reveals new subgeneric delineation. *Botanical Journal of the Linnean Society* 184 (1): 32–45. doi: 10.1093/botlinnean/box013
38. Maldonado, C., Barnes, C.J., Cornett, C., Holmfred, E., Hansen, S.H., Persson, C., **Antonelli, A.**, Rønsted, N. (2017) Phylogeny Predicts the Quantity of Antimalarial Alkaloids Within the Iconic Yellow *Cinchona* Bark (Rubiaceae: *Cinchona calisaya*). *Frontiers in Plant Science* 8:391. DOI: <https://doi.org/10.3389/fpls.2017.00391>
39. **Antonelli, A.**, Perrigo, A. (2016) Urbanization: factor in biological impact. *Nature* (540):39. doi:10.1038/540039a
40. ter Steege, H., Vaessen, R. W., Cárdenas-López, D., Sabatier, D., **Antonelli, A.**, Mota de Oliveira, S., Pitman, N.C.A., Møller Jørgensen, P., & Salomão, R.P. (2016) The discovery of the Amazonian tree flora with an updated checklist of all known tree taxa. *Nature Scientific Reports* 6, 29549. doi:10.1038/srep29549
41. Barnes, C.J., Maldonado, C., Frøslev, T.G., **Antonelli, A.**, Rønsted, N. (2016) Unexpectedly high beta-diversity of root-associated fungal communities in the Bolivian Andes. *Frontiers in Microbiology* 7:1377. DOI:10.3389/fmicb.2016.01377
42. Mekkerdchoo, O., chaleeda Borompichaichartkul, C., Perrigo, A.L., Srzednicki, G.,

- Prakitchaiwattana, C., **Antonelli, A.** (2016). Tracing the Evolution and Economic Potential of Konjac Glucomannan in *Amorphophallus* species (*Araceae*) using Molecular Phylogeny and RAPD Markers. *Phytotaxa* 282 (2): 081–106.
43. De Baets, K., **Antonelli, A.**, Donoghue, P. Tectonic blocks and molecular clocks. (2016) *Philosophical Transactions B* 371 (1699) DOI: <http://dx.doi.org/10.1098/rstb.2016.0098>
44. **Antonelli, A.** (2017) Comparative biogeography, big data, and common myths. In: Tropical Plant Collections: Legacies from the Past? Essential Tools for the Future? Edited by I. Friis and H. Balslev. *Scientia Danica. Series B, Biologica*, vol. 6. ISSN 1904-5484. ISBN 978-87-7304-407-0
45. Silvestro, D., Zizka, A., Bacon, C.D., Cascales-Miñana, B., Salamin, N., **Antonelli, A.** (2016) Fossil Biogeography: A new model to infer dispersal, extinction and sampling from paleontological data. *Philosophical Transactions of the Linnean Society: B.* 371:1691, doi:10.1098/rstb.2015.0225
46. Bacon, C.D., Celasquez-Puentes, F., Florez-Rodriguez, A., Balslev, H., Galeano, G., Bernal, R., **Antonelli, A.** (2016). Phylogeny of Iriarteeae palms, cross-Andean disjunctions, and multiple origins of infructescence morphology in Wettinia. *Botanical Journal of the Linnean Society* 182, 272–286. DOI: 10.1111/boj.12421
47. Bacon, C.D., Molnar, P., **Antonelli, A.**, Crawford, A.J., Montes, C., Vallejo-Pareja, M.C. (2016) Quaternary glaciation and the Great American Biotic Interchange. *Geology* 44(5): 375–378. doi:10.1130/G37624.1.
48. Barrett, C.F., Bacon, C.D., **Antonelli, A.** Cano, A., Hofmann, T. (2016) An introduction to plant phylogenomics, with a focus on palms. *Botanical Journal of the Linnean Society* 182, 234–255. DOI: 10.1111/boj.12399
49. Lagomarsino, L., Condamine, F., **Antonelli, A.**, Mulch, A., Davis, C. C. (2016) The abiotic and biotic drivers of rapid diversification in Andean bellflowers. *New Phytologist* 210: 1430–1442. doi:10.1111/nph.13920
50. Abarenkov K, Adams RI, Laszlo I, Agan A, Ambrosio E, **Antonelli A**, Bahram M, Bengtsson-Palme J, Bok G, Cangren P, Coimbra V, Coleine C, Gustafsson C, He J, Hofmann T, Kristiansson E, Larsson E, Larsson T, Liu Y, Martinsson S, Meyer W, Panova M, Pombubpa N, Ritter C, Ryberg M, Svantesson S, Scharn R, Svensson O, Töpel M, Unterseher M, Visagie C, Wurzbacher C, Taylor AFS, Kõljalg U, Schriml L, Nilsson RH. (2016, in press). Annotating public fungal ITS sequences from the built environment according to the MIXS-Built Environment standard – a report from a May 23-24, 2016 workshop (Gothenburg, Sweden). *MycKeys* 16: 1-15. doi: 10.3897/mycokeys.16.10000
51. Silva, G. A. R., Jojima, C.L., Moraes, E.M., **Antonelli, A.**, Manfrin, M.H., Franco, F.F. (2016) Intra and interspecific sequence variation in closely related species of *Cereus* (CACTACEAE). *Biochemical Systematics and Ecology* pp. 137-142. DOI: <https://doi.org/10.1016/j.bse.2016.02.001>
52. ★**Antonelli, A.** (2015) Multiple origins of mountain life. *Nature* 524: 300-301. doi:10.1038/nature14645
53. Bacon, C.D., Silvestro, D., Jaramillo, C.A., Smith, B.T., Chakrabarty, P., **Antonelli, A.** (2015) Reply to Lessios and Marko et al.: Early and progressive migration across the Isthmus of Panama is robust to missing data and biases. *Proceedings of the National Academy of Sciences.* 10.1073/pnas.1515451112
54. ★Bacon, C.D., Silvestro, D., Jaramillo, C.A., Smith, B.T., Chakrabarty, P., **Antonelli, A.** (2015) Biological evidence supports an early and complex emergence of the Isthmus of Panama.

Proceedings of the National Academy of Sciences of the USA 112 (19): 6110–6115, doi: 10.1073/pnas.1423853112

55. Silvestro, D., **Antonelli, A.**, Salamin, N., Quental, T.B. (2015) The role of clade competition in the diversification of North American canids. *Proceedings of the National Academy of Sciences of the USA* 112 (28): 8684–8689 doi: 10.1073/pnas.1502803112
56. ★Vilhena, D., **Antonelli, A.** (2015) A network approach for identifying and delimiting biogeographical regions. *Nature Communications* 6:6848. doi:10.1038/ncomms7848
57. **Antonelli, A.**, A. Zizka, D. Silvestro, R. Scharn, B. Cascales-Miñana, and C. D. Bacon. (2015). An engine for global plant diversity: Highest evolutionary turnover and emigration in the American tropics. *Frontiers in Genetics* 6:130. doi: 10.3389/fgene.2015.00130.
58. Silvestro, D., Cascales-Miñana, B., Bacon, C.D., **Antonelli, A.** (2015) Revisiting the origin and diversification of vascular plants through a comprehensive Bayesian analysis of the fossil record. *New Phytologist* DOI: 10.1111/nph.13247.
59. Maldonado, C., C. Molina, A. Zizka, C. Persson, Taylor, C., J. Alban, E. Chilquillo, N. Rønsted, **A. Antonelli** (2015). Estimating species diversity and distribution in the era of Big Data: To what extent can we trust public databases? *Global Ecology and Biogeography*. DOI: 10.1111/geb.12326
60. Wüest, R., **Antonelli, A.**, Zimmermann, N., Linder, H.P. (2015) Available climate regimes drive niche diversification in grasses during range expansion. *The American Naturalist* Vol. 185(5), 640-652.
61. Zhang, Q., Feild, T.S., **Antonelli, A.** (2015) Assessing the impact of phylogenetic incongruence on taxonomy, floral evolution, biogeographical history, and phylogenetic diversity. *American Journal of Botany* 102 (4): 566-580.
62. Schwartz, T., Nylinder, S., Ramadugu, C., **Antonelli, A.**, Pfeil, B.E. (2015) The origin of oranges: a multi-locus phylogeny of Rutaceae subfamily Aurantioideae. *Systematic botany* 40(4).
63. Lagomarsino, L., **Antonelli, A.**, Muchhala, N., Mathews, S., Davis, C. C. (2014) Phylogeny, classification, and fruit evolution of the species-rich Neotropical bellflowers (Campanulaceae: Lobelioideae). *American Journal of Botany* 101 (12), 2097-2112.
64. Silvestro, D., Schnitzler, J., Liow, L.H., **Antonelli, A.**, Salamin, N. (2014) Bayesian Estimation of Speciation and Extinction from Incomplete Fossil Occurrence Data. *Systematic Biology* 63 (3): 349-367.
65. Linder, H.P., Rabosky, D.L., **Antonelli, A.**, Wüest, R.O., Ohlemüller, R. (2014) Disentangling the influence of climatic and geological changes on species radiations. *Journal of Biogeography* 41 (7), 1313-1325.
66. Nilsson RH, Hyde KD, Pawlowska J, Ryberg M, Tedersoo L, Aas AB, Alias SA, Alves A, Anderson CL, **Antonelli A**, Arnold AE, Bahnmann B, Bahram M, Bengtsson-Palme J, Berlin A, Branco S, Chomnunti P, Dissanayake A, Drenkhan R, Friberg H, Frøslev TG, Halwachs B, Hartmann M, Henricot B, Jayawardena R, Jumpponen A, Kauserud H, Koskela S, Kulik T, Liimatainen K, Lindahl B, Lindner D, Liu J-K, Maharachchikumbura S, Manamgoda D, Martinsson S, Neves MA, Niskanen T, Nylinder S, Pereira OL, Pinho DB, Porter TM, Queloz V, Riit T, Sanchez-García M, de Sousa F, Stefacyk E, Tadych M, Takamatsu S, Tian Q, Udayanga D, Unterseher M, Wang Z, Wikee S, Yan J, Larsson E, Larsson K-H, Köljalg U, Abarenkov K. (2014). Improving ITS sequence data for identification of plant pathogenic fungi. *Fungal Diversity* 67:11–19.

67. Hoorn, C., Mosbrugger, V., Mulch, A., **Antonelli, A.** (2013) Biodiversity from Mountain Building. *Nature Geoscience* 6:154.
68. Dawson, M.N., Algar, A.C., **Antonelli, A.**, Dávalos, L.M., Davis, E., Early, R., Guisan, A., Jansson, R., Lessard, J-P., Marske, K.A., McGuire, J.L., Stigall, A.L., Swenson, N.G., Zimmermann, N.E., & Gavin, D.G. (2013) A horizon scan of Biogeography. *Frontiers of Biogeography* 5(2):130-157.
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71. ★Hughes, C., Pennington, R.T., **Antonelli, A.** (2013). Neotropical Plant Evolution: Assembling the Big Picture. *Botanical Journal of the Linnean Society* **171**:1-18.
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74. Töpel, M., **Antonelli, A.**, Yesson, C., Eriksen, B. (2012) Past Climate Change and Plant Evolution in Western North America: A Case Study in Rosaceae. *PLoS One* 7:e50358.
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76. Zhang, Q., **Antonelli, A.**, Feild, T.S., Kong, H.-Z. (2011) Revisiting taxonomy, morphological evolution, and fossil calibration strategies in Chloranthaceae. *Journal of Systematics and Evolution* 49:315–329.
77. Schirromeister, B.E., Anisimova, M., **Antonelli, A.**, & Bagheri, H.C. (2011). Evolution of cyanobacterial morphotypes: Taxa required for improved phylogenomic approaches. *Communicative & Integrative Biology* 4:424-427.
78. ★**Antonelli, A.**, Sanmartín, I. (2011) Why are there so many plant species in the Neotropics? *Taxon* 60(2): 403–414.
79. Humphreys, A.M., **Antonelli, A.**, Pirie, M.D., Linder, H.P. (2011) Ecology and evolution of the diaspora ‘burial syndrome’. *Evolution* 65(4):1163–1180.
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Response. *Science* 331: 399-400. [reviewed by editorial board]

82. **Antonelli, A.**, Humphreys, A.M., Lee, W.G., Linder, H.P. (2011) Absence of mammals and the evolution of New Zealand grasses. *Proceedings of the Royal Society Series B: Biological Sciences* 278:695–701.
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86. **Antonelli, A.**, Verola, C.F., Parisod, C. Gustafsson, A.L.S. (2010) Climate cooling promoted the expansion and radiation of a threatened group of South American orchids (Epidendroideae:Laeliinae). *Biological Journal of the Linnean Society* 100(3):596-606.
87. Gustafsson, A.L.S., Verola, C.F., **Antonelli, A.** (2010) Reassessing the temporal evolution of orchids with new fossils and a Bayesian relaxed clock, with implications for the diversification of the rare South American genus *Hoffmannseggella* (Orchidaceae: Epidendroideae). *BMC Evolutionary Biology* 10:177.
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89. ★**Antonelli, A.**, Nylander, J.A.A., Persson, C., Sanmartín, I. (2009) Tracing the impact of the Andean uplift on Neotropical plant evolution. *Proceedings of the National Academy of Sciences of the USA* 106(24): 9749-9754.
90. **Antonelli, A.** (2009) Have giant lobelias evolved several times independently? Life form shifts and historical biogeography of the cosmopolitan and highly diverse subfamily Lobelioideae (Campanulaceae). *BMC Biology* 7:82, 21 pp.
91. **Antonelli, A.**, Dahlberg, C.J., Karlgren, K.H.I., Appelqvist, T. (2009) Pollination of the Lady's slipper orchid (Orchidaceae: *Cypripedium calceolus*) in southern Scandinavia: taxonomic and conservational aspects. *Nordic Journal of Botany* 27: 266–273.
92. **Antonelli, A.**, Rodriguez, V. (2009) Brazil Should Facilitate Research Permits. *Conservation Biology* 23(5):1068-1069. [reviewed by editorial board]
93. Eriksson, K.M., **Antonelli, A.**, Nilsson, R.H., Clarke, A.K., Blanck, H. (2009) A phylogenetic approach to detect selection on the target site of the antifouling compound irgarol 1051 in tolerant periphyton communities. *Environmental Microbiology* 11(8): 2065-2077.
94. Rodriguez, V., **Antonelli, A.** (2009) Gaining access to biological material from Brazil. *Taxon* 58(3):1025. [reviewed by editorial board]

95. **Antonelli, A.** (2008) Higher level phylogeny and evolutionary trends in Campanulaceae subfam. Lobelioideae: Molecular signal overshadows morphology. *Molecular Phylogenetics and Evolution* 46 (1):1-18.
96. Hallenberg, N., Henrik Nilsson, R., **Antonelli, A.**, Wu, S.H., Maekawa, N., Nordén, B. (2007) The Peniophorella praetermissa species complex (Basidiomycota). *Mycological Research* 111: 1366-1376.
97. Verola, C.F., Semir, J., **Antonelli, A.**, Koch, I. (2007) Biosystematic studies in Brazilian endemic genus *Hoffmannseggella* H.G.Jones (Orchidaceae: Laeliinae): a multiple approach applied to conservation. *Lankesteriana* 7 (1-2): 419-422.
98. Andersson, L., **Antonelli, A.** (2005) Phylogeny of the tribe Cinchoneae (Rubiaceae), its position in Cinchonoideae, and description of a new genus, *Ciliosemina*. *Taxon* 54 (1):17-28.

PEER-REVIEWED BOOK CHAPTERS:

99. Condamine, F.L., **Antonelli, A.**, Lagomarsino, L.P., Hoorn, C., Liow, L.H. (2018) Teasing apart mountain uplift, climate change and biotic drivers of species diversification. in: *Mountains, Climate and Biodiversity*. Edited by C. Hoorn, A. Perrigo and A. Antonelli. Wiley ISBN: 978-1-119-15987-2.
100. C. Hoorn, A. Perrigo and **A. Antonelli** (2018) Mountains, Climate and Biodiversity: An Introduction. pp: 1–14. in: *Mountains, Climate and Biodiversity*. Edited by C. Hoorn, A. Perrigo and A. Antonelli. Wiley ISBN: 978-1-119-15987-2.
101. Huber, O., Prance, G.T., Kroonenberg, S., **Antonelli, A.** (2018, in press) The Tepuis of the Guiana Highlands. in: *Mountains, Climate and Biodiversity*. Edited by C. Hoorn, A. Perrigo and A. Antonelli. Wiley ISBN: 978-1-119-15987-2.
102. **Antonelli, A.** (2016) Neotropical biogeography: Possible goals and challenges for the next ten years. [in Portuguese] in: *Biogeografia da América do Sul / Análise de Tempo, Espaço e Forma*. Edited by C.J.B. de Carvalho & E.A.B. Almeida. Rio de Janeiro: Roca. pp 279-288.
103. Fiaschi, P., Pirani, J. R., Heiden, G., **Antonelli, A.** (2016) Floristic biogeography of South America. [in Portuguese] in: *Biogeografia da América do Sul / Análise de Tempo, Espaço e Forma*. Edited by C.J.B. de Carvalho & E.A.B. Almeida. Rio de Janeiro: Roca. pp 215-226.
104. **Antonelli, A.**, Quijada-Masareñas, A., Crawford, A.J., Bates, A.J., Velazco, J.M., Wüster, W. (2010) Molecular studies and phylogeography of Amazonian tetrapods and their relation to geological and climatic models. in: *Amazonia, Landscape and Species Evolution, 1st edition*. Edited by C. Hoorn and F.P. Wesselingh. Blackwell Publishing, ISBN 9781405181136.
105. Wesselingh, F. P., Hoorn, C., Kroonenberg, S.B., **Antonelli, A.**, Lundberg, J.G., Vonhof, H.B., and Hooghiemstra, H. (2010). On the origin of Amazonian landscapes and biodiversity: a synthesis. in: *Amazonia, Landscape and Species Evolution, 1st edition*. Edited by C. Hoorn and F.P. Wesselingh. Blackwell Publishing, ISBN 9781405181136.

NON PEER-REVIEWED SCIENTIFIC CONTRIBUTIONS (NOT INCLUDED ABOVE):

106. Bennett, D.J.; Hettling, H.; Silvestro, D.; Zizka, A.; Bacon, C.D.; Faurby, S.; Vos, R.A.; **Antonelli, A.** phylotaR: An automated pipeline for retrieving orthologous DNA sequences from GenBank in R. *Preprints* 2018, 2018040047 (doi: 10.20944/preprints201804.0047.v1).
107. **Antonelli, A.** (2014) The Evolution and Fate of Neotropical Biomes. in: *Proceedings of the XI Latin American Botanical Congress*. Salvador, Brazil.

108. **Antonelli, A.** (2010) The Andean uplift and Neotropical diversification. in: *Diversidade Vegetal Brasileira*. Edited by M. L. Absy, F. D. A. Matos, I. L. Amaral. Sociedade Brasileira de Botânica, ISBN 978-85-211-0062-1.
109. Byttebier, B., **Antonelli, A.**, Bellstedt, D.U., Linder, P. (2010). Estimating the age of fire in the Cape flora of South Africa from an orchid phylogeny. in: XIXth AETFAT Congress-Madagascar, 25-30 April 2010. Abstracts. Edited by V. H. Jeannoda, S. G. Razafimandimbison, P. De Block. Meise. Scripta Botanica Belgica 46: 102.

DOCTORAL THESIS:

110. **Antonelli, A.** (2008) Spatiotemporal Evolution of Neotropical Organisms: New Insights into an Old Riddle. Doctoral Thesis. Department of Plant and Environmental Sciences, University of Gothenburg, Göteborg, Sweden.

POPULAR SCIENCE ARTICLES AND BLOGS:

111. **Antonelli, A.** (2018) [Only Sweden Swedish fika has](#). *Curie – Swedish research magazine*. (in Swedish)
112. Almroth, B.C., Backhaus, T., Andersson, L., **Antonelli, A.**, et al. (2018) Erroneous and unethical reasoning about immigration. *ETC* March 23, 2018 (in Swedish)
113. **Antonelli, A.** (2018) [When I knocked on the door of the world's most famous biologist](#). *Curie – Swedish research magazine*. (in Swedish)
114. **Antonelli, A.** (2018) [The carefully chosen](#). *Curie – Swedish research magazine*. (in Swedish) [Curie's most read blogg for the winter 2017-2018]
115. **Antonelli, A.** (2018) [Oh, what I've been longing to this!](#) *Curie – Swedish research magazine*. (in Swedish)
116. **Antonelli, A.** and Perrigo, A. (2017) [We must protect biodiversity](#). Washington Post, December 15.
117. **Antonelli, A.** (2017). Sensual Women, Lush Wetlands and Cool Caimans. *ReVista – Harvard Review of Latin America* 1:37.
118. **Antonelli, A.** (2017) Invited by the City of Gothenburg to blog on biodiversity for a full week, c. 28 posts (<https://www.instagram.com/greenhackgbg/?hl=en>)
119. Rønsted, N., **Antonelli, A.**, Maldonado, C., Hansen, S.H. (2017) Jagten på Kinabarken til behandling av malaria. *Aktuel Naturvidenskab* 3: 32-36. (in Danish)
120. **Antonelli, A.** and Källersjö, M. (2017). A new biodiversity centre in western Sweden. *Biodiverse* 2: 8–11. (in Swedish)
121. Panas, M., **Antonelli, A.**, Adiels, C.B. (2016) Discovery club inspires school kids in Gothenburg. *Biologen* 3:8-11. [in Swedish]
122. **Antonelli, A.** (2016). “A world of possibilities”. Internet Blog, University of Gothenburg, Faculty of Sciences (08 Sept 2016).
123. **Antonelli, A.** (2016). “Life on a thin thread”. Internet Blog, University of Gothenburg, Faculty of Sciences (29 Aug 2016).

124. **Antonelli, A.** (2016). "New species every kilometre". Internet Blog, University of Gothenburg, Faculty of Sciences (26 Aug 2016).
125. Petri, A. & **Antonelli, A.** (2012) Suckulenter. Göteborgs botaniska trädgårds förlag. ISBN 978-91-87068-53-9.
126. **Antonelli, A.**, Fuentes, R., eds. (2008). The tropical rainforest: environment and biodiversity. Universeum Science Centre. [Booklet in Swedish]
127. **Antonelli, A.** (2003). En jätte på besök. Aromia (3).
128. **Antonelli, A.** (2003). Sköldbaggarnas osäkra framtid. Aromia (3).

SCIENTIFIC PRESENTATIONS:

1. **Antonelli, A.** (2018) Artificial Intelligence and Biodiversity: New tools to understand and protect biodiversity. Quantified Planet, KTH, Stockholm. *Invited speaker* (April 24, 2018)
2. **Antonelli, A.** (2018) Biotic interchange across rainforests in Central and South America: Additional reasons why your work on BCI matters! Smithsonian Tropical Research Institute, Barro Colorado Island, Panama. *Invited speaker* (April 5, 2018)
3. **Antonelli, A.** (2018) Comparative biogeography and the assembly of Neotropical biogeography. Smithsonian Tropical Research Institute, Tupper Auditorium, Panama City, Panama. *Invited speaker* (April 3, 2018)
4. **Antonelli, A.** (2018) The Origins of Latin American Biodiversity. David Rockefeller Center for Latin American Studies at Harvard University, USA. *Invited speaker* (March 19, 2018)
5. **Antonelli, A.** (2018) Comparative biogeography and the assembly of Neotropical biogeography. Harvard University, Museum of Comparative Zoology, USA. *Invited speaker* (February 2, 2018)
6. Andermann, T., Batista, R., **Antonelli, A.** (2018) Phylogenomics of Neotropical birds: uncovering lineages, biogeographic wanderings, and NGS challenges. Third Annual Boston Area Bird Meeting, Harvard University, USA. *Invited speaker* (January 16, 2018)
7. **Antonelli, A.** (2017) South America: the world's largest evolutionary experiment. University of Göttingen, Germany. *Invited speaker* (16 October 2017)
8. **Antonelli, A.** (2017) South America: the world's largest evolutionary experiment. Royal Botanic Gardens Kew, U.K. *Invited speaker* (2 October 2017)
9. **A. Antonelli & A. Zizka** (2017) Biodiversity Data in Ecology and Biogeography. University of Kiel, Germany. International Plant Science Conference, Botanikertagung 2017. *Invited speakers*
10. **A. Antonelli** (2017) The why, when and where of biodiversity. University of Lund, Department of Biology. (7 Sept 2017) *Invited speaker*
11. **A. Antonelli** (2017) Communicating science in a post-truth era (Individual presentation and panel discussion). Society for Experimental Biology's Annual Meeting. Gothenburg Conference Centre, Göteborg. (2 July 2017) *Invited speaker*
12. **A. Antonelli** (2017) Systematics in the Age of Alternative Facts, Virtual Reality and Data Deluge. 3rd Meeting of the Federation of European Biological Systematic Societies. Gothenburg, Sweden (15 August 2017). *Invited plenary speaker*
13. **A. Antonelli** (2017) Gothenburg Global Biodiversity Centre: Integrating scientists, collections, citizens, and cutting-edge methods to advance biodiversity research. 3rd Meeting of the Federation of European Biological Systematic Societies. Gothenburg, Sweden (15 August 2017). *Invited speaker*
14. **A. Antonelli** (2017) Museum collections and citizen science observations as sources of species distributions: Sampling biases, bioinformatic solutions and research applications. Gothenburg Centre for Advanced Studies. (8 June 2017)
15. **A. Antonelli** (2017) Phylogenomics meets biogeography. Gothenburg Centre for Advanced Studies. (17 May 2017)

16. **A. Antonelli** (2017) Towards a Nordic Pre-Sequencing Infrastructure. eDNA network, Swedish Agency for Marine and Water Management. (28 April 2017)
17. **C.F. Barrett**, C.D. Bacon, **A. Antonelli**, M. McKain (2017) Genome Evolution and Diversification in Palms. Plant and Animal Genome Conference. San Diego, January 2017
18. **Antonelli, A.** (2016) South America: the world's largest evolutionary experiment. Van Leeuwenhoek Lecture on BioScience. University of Leiden, The Netherlands. ***Invited keynote speaker*** (27 October 2016)
19. **Antonelli, A.** (2016) Introducing the Gothenburg Global Biodiversity Centre. Workshop for National eDNA / meta-barcoding in environmental monitoring. The Swedish Agricultural University, Uppsala (24 October 2016) ***Invited speaker.***
20. **Antonelli, A.** (2016) Biodiversity assessments for targeted conservation in a changing world. BECC Annual Meeting, Lund (18 October 2016) ***Invited speaker.***
21. **Antonelli, A.** (2016) The roots and evolution of biodiversity. Corpus Christi College, Oxford. Annual meeting of the Young Academy of Europe. (19 September 2016) ***Invited speaker.***
22. **Antonelli, A.** (2016) Hundreds of millions of DNA sequences and species observations: Challenges for synthesizing biological knowledge. Chalmers University of Technology. (21 April 2016) ***Invited speaker.***
23. **Antonelli, A.** (2016) Evolutionary systematics in the era of Big Data and Little Knowledge. "Beyond the Tree of Life: the future of plant systematics". Royal Academy of Sciences of the Netherlands, Amsterdam (16-18 March 2016). ***Invited speaker.***
24. **Antonelli, A.** (2016) The Rise and Fall of Species. Department of Paleobiology, Swedish Museum of Natural History, Stockholm (11 March 2016). ***Invited speaker.***
25. **Antonelli, A.** (2016) Cross-taxonomic insights from biogeographical analyses, and the interplay between temperate and tropical zones. VIII Southern Connecting Congress. Punta Arenas, Chile (18-23 January 2016) ***Invited keynote speaker.***
26. **Antonelli, A.** (2016) Cross-taxonomic insights from biogeographical analyses, and the interplay between temperate and tropical zones. Fifth Meeting of the Network for Neotropical Biogeography. Santiago, Chile (14-15 January 2016) ***Invited speaker.***
27. **Antonelli, A.** (2015) Accelerating Biodiversity Research. University of Aarhus (21 December 2015) ***Invited speaker.***
28. **Antonelli, A.** (2015) The co-evolution of mountains and biodiversity. Swedish Systematics Day, University of Lund (23-24 November 2015) ***Invited speaker.***
29. **Antonelli, A.** (2015) Accelerating Biodiversity Research. Faculty of Sciences Day, University of Gothenburg (11 November 2015) ***Invited keynote speaker.***
30. **Antonelli, A.** (2015) Environmental risk assessments: A role for evolutionary biology. University of Gothenburg (28 October 2015) ***Invited keynote speaker.***
31. **Antonelli, A.** (2015) Climate change, geological events, and the evolution of Neotropical plant diversity. 3rd Bolivian Congress of Botany. Sucre, Bolivia. (12-14 October 2015) ***Invited keynote speaker.***
32. **Antonelli, A.** (2015) The Evolution of Neotropical Mega-Diversity. Italian Society for Evolutionary Biology. Bologna, Italy (31 Aug–3 Sept 2015) ***Invited keynote speaker.***

33. **Alexandre Antonelli**, James Albert, Christine D. Bacon, Fernanda A. Carvalho, Hannes Hettling, Nick Matzke, Matthias Obst, Ruud Scharn, Daniele Silvestro, Daril Vilhena, Rutger Vos, Alexander Zizka (2015). Comparative biogeography: A framework for cross-taxonomic inference of bioregion evolution, range shifts and species diversification. *Evolution*. Guarujá, Brazil.
34. **Antonelli, A.** (2015) Species occurrences, genes, and fossils in Phylogenetics and Biogeography: Challenges, Solutions, and Prospects. Symposium: Tropical Plant Collections: Legacies from the past? Essential tools for the future? Copenhagen, Denmark. *Invited speaker* (May 2015).
35. **Antonelli, A.** (2015) Next-Gen Biogeography. Natural History Museum of Denmark, Copenhagen. *Invited speaker* (19 February 2015).
36. **Antonelli, A.** (2015) The evolution of Amazonian biodiversity. *Invited keynote speaker*. Netherlands Annual Ecology Meeting. Lunteren, The Netherlands. (10-11 February 2015).
37. **Antonelli, A.** (2014) The Evolution and Fate of Neotropical Biomes. XI Latin American Botanical Congress. Salvador, Brazil. *Invited speaker* (October 2014).
38. **Antonelli, A.** How the Gentianales conquered the world. VI International Rubiaceae Gentianales Conference. Salvador, Brazil (October 2014) *Invited speaker*
39. **Antonelli, A.** (2014) On the limits of biological data. 15th Nordic Meeting on Tropical Botany. Natural History Museum of Denmark, Copenhagen. *Invited speaker* (13–15 August 2014)
40. **Antonelli, A.** (2014) Evolution, Biogeography, and the Data Deluge. Naturalis colloquium series. Leiden, The Netherlands. *Invited speaker* (01 July 2014)
41. Silvestro, D., Cascales-Miñana, B., Bacon, C.D., **Antonelli, A.** (2014) Opportunities and challenges to investigating plant diversification from the fossil record. Radiations. University of Zurich, Switzerland (12-15 June 2014)
42. Maldonado, C., **Antonelli, A.**, Molina, C., Zizka, A., Persson, C., Alban, J., Chilquillo, E., Rønsted, N. Mapping Diversity and Distribution Using Novel Bioinformatics Tools: Do We Still Need Taxonomists? VI International Rubiaceae Gentianales Conference. Salvador, Brazil (October 2014)
43. **Antonelli, A.** (2014) The Co-Evolution of Biodiversity and Earth Systems. Department of Earth Sciences, University of Gothenburg. *Invited speaker* (27 May 2014).
44. Lagomarsino, L., **Antonelli, A.**, Muchhala, N., Mathews, S., Davis, C. (2014) Phylogeny and Systematics of the Neotropical Bellflowers (Campanulaceae: Lobelioideae). Harvard Plant Biology Initiative symposium. Poster (May 2014)
45. **Antonelli, A.** (2014) One Step Ahead: Integrative Solutions to Identify Tipping Points in Biodiversity. sDiv workshop: Integrating Phylogenies, Fossils and Earth System Dynamics. German Centre for Integrative Biodiversity Research. Leipzig, Germany. *Invited keynote speaker* (7 May 2014).
46. **Antonelli, A.** (2014) Neotropical Biogeographic: Challenges and Prospects. International Biogeographic Symposium. Lima, Peru. Universidad Nacional de San Marcos / Natural History Museum. *Invited keynote speaker* (15 April 2014) [in Spanish]
47. **Antonelli, A.** (2014) Methods in Biogeography. International Biogeographic Symposium. Universidad Nacional de San Marcos / Natural History Museum. Lima, Peru. *Invited keynote speaker* (15 April 2014) [in Spanish]

48. **Antonelli, A.** (2014) Evolution, Biogeography, and the Data Deluge. Biology14–Swiss Conference on Organismic Biology. Geneva, Switzerland. ***Invited keynote speaker*** (13-14 February 2014)
49. **Antonelli, A.** (2014) Biodiversity & Climate Change: Winners vs Losers. Bilateral workshop Brazil-Sweden on Climate Change Challenges – Adaptation and Strategic Initiatives. Brasilia, Brazil. ***Invited speaker*** (7–9 April 2014)
50. **Antonelli, A.** (2014) Evolutionary approaches to tackle the biodiversity crisis. The Future of Systematic Biology at the University of Gothenburg – Ideas and Challenges. Department of Biological and Environmental Sciences, University of Gothenburg. ***Invited speaker*** (30 January 2014)
51. Zizka, A., Linder, H.P., **Antonelli, A.** (2014) Contrasting African vs. South American biodiversity: An eco- evolutionary approach. 20th AETFAT congress. Stellenbosh, South Africa. (13-17 January 2014)
52. **Antonelli, A.** (2013) Next-Generation Biogeography. 3rd Meeting of the Network for Neotropical Biogeography. Universidad de los Andes, Bogotá, Colombia. ***Invited speaker*** (8-11 January 2014)
53. Velásquez Puentes, F.J., Bacon, C.D., **Antonelli, A.** (2013) Biome evolution in Iriarteeae palms. 3rd Meeting of the Network for Neotropical Biogeography. Universidad de los Andes, Bogotá, Colombia. (8-11 January 2014)
54. **Antonelli, A.** (2013) Next-Generation Biogeography. Swedish Systematics Meeting, Swedish Museum of Natural History, Stockholm, Sweden. ***Invited speaker*** (25-26 November 2013)
55. Scharn, R., Anderson, C.L., Zizka, A., **Antonelli, A.** (2013) Biogeography of Gentianales. Swedish Systematics Meeting, Swedish Museum of Natural History, Stockholm, Sweden. Poster (25-26 November 2013)
56. **Antonelli, A.** (2013) Biogeography of the Andes. Workshop: The Quest for Cinchona – a Phylogenetic Tale. Natural History Museum of Denmark, Copenhagen, Denmark. ***Invited speaker*** (8 November 2013)
57. **Antonelli, A.**, Vos, R., et al (2013) SUPERSMART: Self-Updating Platform for Estimating Rates of Speciation and Migration, Ages and Relationships of Taxa. Biodiversity Information Standards Annual Conference. Florence, Italy. ***Invited speaker*** (31 October 2013)
58. **Antonelli, A.** (2013) Advances and Frontiers in Neotropical Biogeography. CEBA Thematic School, Kourou, French Guiana. ***Invited speaker*** (10 October 2013)
59. **Antonelli, A.** (2013) Ecology meets Biogeography: Using dated phylogenies and fossils to investigate the origins and evolution of Neotropical mega-biodiversity. Universidade Estadual de São Paulo, Rio Claro, Brazil. ***Invited speaker*** (20 September 2013)
60. **Antonelli, A.** (2013) Plant Diversity and Biogeography in the Neotropics – Prospects and Challenges. Brazilian Congress of Genetics, Águas de Lindoia, Brazil. ***Invited speaker*** (19 September 2013)
61. **Antonelli, A.** (2013) From Genes to Biomes: Untangling Biodiversity in the Americas in the Era of Big Data. Brazilian Congress of Genetics, Águas de Lindoia, Brazil. ***Invited keynote speaker*** (19 September 2013)
62. **Antonelli, A.** (2013) From Genes to Biomes: Untangling Biodiversity in the Americas in the Era of Big Data. University of Edinburgh, School of Geosciences. ***Invited speaker*** (September 4, 2013)

63. **Antonelli, A.** (2013) Next-generation biogeography and the evolution of tropical biodiversity. Annual meeting of the Swiss PhD Program in Evolutionary Biology. Moeschberg, Switzerland. ***Invited keynote speaker*** (11-13 June 2013)
64. **Antonelli, A.** (2013) Biogeography in the Era of Big Data. Evolutionary Biology Center, Uppsala University, Sweden ***Invited speaker*** (15 May 2013)
65. **Antonelli, A.** (2013) From Genes to Biomes: Untangling Biodiversity in the Americas in the Era of Big Data. Center for Macroecology, Evolution and Climate. University of Copenhagen, Denmark. ***Invited speaker*** (April 2013)
66. **Antonelli, A.** (2013) Genes, fossils, occurrences, and the printed article paradigm: Biogeography and systematics in the era of Big Data. BioSyst Conference, Vienna, Austria ***Invited speaker*** (February 2013)
67. **Antonelli, A.** (2013) Short presentations at workshop: Integrating approaches to Macroevolution: Combining fossils and phylogenies. National Evolutionary Synthesis Center, Durham NC, USA. ***Invited participant*** (February 2013)
68. Bacon, C., Jaramillo, C., Smith, B., Chakrabarty, P., **Antonelli, A.** (2013) The Great American Biotic Interchange revisited. International Biogeography Society meeting, Miami, USA (9–12 January 2013)
69. **Antonelli, A.**, Nilsson, K., Töpel, M., Silvestro, D., Nilsson, H., Oxelman, B., Sjökvist, E., Nylander, J., Bacon, C., Jaramillo, C., Sanderson, M., Vos, R. (2013) SUPERSMART: Self-Updating Platform for Estimating Rates of Speciation and Migration, Ages and Relationships of Taxa. International Biogeography Society meeting, Miami, USA (9–12 January 2013)
70. **Antonelli, A.** (2012) The Past, Present and Future of Neotropical Biodiversity. 2nd meeting of the Network for Neotropical Biogeography. Miami, USA (14 January 2013)
71. **Antonelli, A.** (2012) Why Geologists, Paleontologists, and Molecular Biologists Need Each Other. Geological Society of American annual meeting. ***Invited keynote speaker*** (4-7 November 2012)
72. **Antonelli, A.**, Bacon, C., Jaramillo, C. (2012) The Biological Implications of an Earlier Isthmus. 2nd Panama Canal Project All Hands Meeting, Gainesville, Florida. ***Invited speaker*** (1-2 November 2012)
73. **Antonelli, A.** (2012) Learning from the Past to Predict the Future: Responses of Biodiversity to Climate Change. Paleoclimatic workshop, Gainesville, Florida. ***Invited keynote speaker*** (1 November 2012)
74. **Antonelli, A.** (2012) An Integrated Framework for Inferring the Evolution of Species-Rich Biomes. Center for interdisciplinary research in biology, Collège de France, Paris. ***Invited speaker*** (22-23 October 2012)
75. **Antonelli, A.** (2012) The Evolution and Fate of Biodiversity. Wallenberg Centrum, University of Gothenburg, Sweden. (15 October 2012)
76. **Antonelli, A.** (2012) The Past, Present and Future of Neotropical Biodiversity. Department of Biological and Environmental Sciences, University of Gothenburg, Sweden. ***Invited speaker*** (3 October 2012)
77. **Antonelli, A.** (2012) Integrating DNA, species occurrences and fossils. University of Aarhus ***Invited speaker*** (16 August 2012)

78. **Antonelli, A.** (2012) The Evolution and Fate of Neotropical Biodiversity. New York Botanical Garden. *Invited speaker* (16 July 2012)
79. **Antonelli, A.** (2012) The Evolution and Fate of Neotropical Biodiversity. Harvard University, Cambridge. *Invited speaker* (12 July 2012)
80. **Antonelli, A.** (2012) The Past, Present and Future of Neotropical Biodiversity. First Joint Congress on Evolutionary Biology, Ottawa, Canada. (6-11 July 2012)
81. **Antonelli, A.**, Töpel, M., Silvestro, D., Nilsson, H., Oxelman, B., Sjökvist, E., Nylander, J., Bacon, C., Jaramillo, C., Sanderson, M. (2012) Using Biological Databases to Infer Large-Scale Patterns of Migration, Diversification, and Niche Evolution. iEvoBio, Ottawa, Canada. (10-11 July 2012)
82. **Antonelli, A.** (2012) Ecology meets Biogeography: A Multi-Disciplinary Approach to Study Neotropical Diversification. Lund University. *Invited speaker* (24 May 2012)
83. **Antonelli, A.** (2012) The Evolution and Fate of Neotropical Biodiversity. Ludwig Maximilians University Munich. *Invited speaker* (16 May 2012)
84. **Antonelli, A.** (2012) The Past, Present and Future of Neotropical Biodiversity. European Research Council *Invited speaker* (8 May 2012)
85. **Antonelli, A.** (2012) Linking DNA sequences, distribution data, climatic modelling and fossils to estimate past migration and diversification rates and improve predictions on future biodiversity losses. Tjärnö Marine Biological Station, Sweden (2 May 2012)
86. **Antonelli, A.** (2012) The Past, Present and Future of Neotropical Biodiversity. Swedish Research Council, Stockholm *Invited speaker* (20 April 2012)
87. Schwartz, T., Pfeil, B., Wanntorp, L., Oxelman, B., **Antonelli, A.** (2011) A *BEAST species tree of *Gunnera*. Swedish Systematic meeting, Lund (November 2011)
88. **Antonelli, A.** (2011) The Past, Present and Future of Neotropical Biodiversity. 3rd Biological Evolution Workshop. Porto Alegre, Brazil. *Invited speaker* (7–9 November 2011)
89. **Antonelli, A.** (2011) The Past and Future of Neotropical Biodiversity. Aarhus University, Denmark. *Invited speaker* (14 September 2011)
90. **Antonelli, A.** (2011) Neotropical Plant Evolution: Assembling the Big Picture. National University of Mexico. Mexico city, Mexico. *Invited speaker* (30 August 2011)
91. Pirie, M.D., Humphreys, A.M., **Antonelli, A.**, Galley, C., Linder, H.P. (2011) Model uncertainty in ancestral area reconstruction: a parsimonious solution? XVIII International Botanical Congress. Melbourne, Australia, 23-30 July 2011.
92. **Antonelli, A.**, Pennington, R. T. (2011) Lowland Tropical Rain Forests in the Neotropics. XVIII International Botanical Congress. Melbourne, Australia, 23-30 July 2011. [Oral presentation + abstract]
93. **Antonelli, A.**, Bytebier, B., Gustafsson, A. L. S., Niet, T. van der (2011) Using dated phylogenies to explore the evolution of orchids. New research tools for illuminating the ecology and evolution of orchids, Melbourne, Australia, 30 July 2011. *Invited speaker*. [Oral presentation + abstract]
94. **Antonelli, A.** (2010). Rocks 'n Clocks: How did South America become so species rich? Swiss Federal Research Institute WSL, Birmensdorf, Switzerland. 19 May 2010 [Oral presentation in English] *Invited speaker*

95. **Antonelli, A.** (2010) Linking dated phylogenies, present distributions and past climatic models. Laboratoire des Sciences du Climat et de l'Environnement. Paris, France 6-7 December 2010. **Invited speaker.** [Oral presentation]
96. **Antonelli, A.** (2010) Refugia refuted. Swedish Systematics Meeting, Göteborg, 22-23 November 2010. [poster presentation + abstract]
97. **Antonelli, A.** (2010) The contribution of DNA-based evolutionary trees to understand species diversification in Amazonia. New perspectives on Amazonian biodiversity. University of Amsterdam, 12 November 2010. **Invited speaker.** [Oral presentation + abstract]
98. **Antonelli, A.** (2010) The Andean uplift and diversification in Amazonia. 61st Brazilian Congress of Botany. Instituto Nacional de Pesquisas da Amazônia, Manaus, Brazil. 06 September 2010. **Invited "Keynote" speaker.** [Oral presentation + Expanded conference abstract]
99. **Antonelli, A.** (2010) Linking geology, palaeontology and biology to understand Amazonian biodiversity. 13th Nordic Meeting on Tropical Botany, Bergen, Norway. 12 August 2010.
100. Rodriguez, V., **Antonelli, A.** (2010) Biological material sharing in research: The case of rain forest resources. 35th Meeting of the Society for Social Studies of Science, Meguro, Japan. August 2010 [Oral presentation by V.R. + Conference abstract]
101. Bybetier, B., **Antonelli, A.**, Bellstedt, D.U., Linder, H.P. (2010) Estimating the age of fire in the Cape flora of South Africa from an orchid phylogeny. XIXth AETFAT, Madagascar, 25-30 April 2010. [Oral presentation by B.B. + Conference abstract in Scripta Botanica Belgica 46: 102]
102. **Antonelli, A.** (2010) Humphreys, A., Lee, W.G., Linder, H.P. (2010) Ghosts from the past – On plant adaptations to extinct faunas. Biology10. Neuchâtel, Switzerland, February 2010. [Oral presentation in English + Conference abstract]
103. **Antonelli, A.** (2010) Species at risk – could a 'ghost' adaptation impair plant survival? Annual research day. Institute of Systematic Botany, Zürich, Switzerland, February 2010. [Oral presentation in English]
104. Swenson, U., **Antonelli, A.**, Munzinger, J., Myrenås, M., Lowry II, P.P. (2010) Can panbiogeography provide credible scenarios for the origin of the New Caledonian biota? A case study of *Pycnandra* (Sapotaceae). Southern Connection, Argentina, February 2010. [Oral presentation by U.S. + Conference abstract]
105. Hallenberg, N., **Antonelli, A.** (2010) Corticioid Fungi (Aphyllophorales, Basidiomycota): Southern and North–South Connections Among Wood-Inhabiting Fungi. Southern Connection, Argentina, February 2010. [Oral presentation by N.H. + Conference abstract]
106. **Antonelli, A.**, Andersson, C.L., Linder, H.P., Sanchez-Meseguer, A., Sanmartín, I., Stadler, T. (2009) Diversification in the Cenozoic of Northern South America. Second meeting of the Swiss Systematic Society. Bern, Switzerland. [Oral presentation in English + Conference abstract] **Invited speaker.**
107. **Antonelli, A.** (2009) Evolution in South America: New insights and future challenges. Swedish Systematic Meeting. Stockholm, Sweden. [Oral presentation in Swedish] **Invited speaker.**
108. **Antonelli, A.**, Sanchez-Meseguer, A., Linder, H.P., Hoorn, C., Wesselingh, F.P., Stadler, T., Sanmartín, I. (2009) Evolution of Neotropical Biodiversity: New insights and Future Prospects. Systematics 2009. Leiden, The Netherlands. [Oral presentation in English + Conference abstract]

109. Swenson, U., Antonelli, A., Munzinger, J., Myrenås, M., Lowry II, P.P. (2009) Can panbiogeography provide credible scenarios for the origin of the New Caledonian biota? A case study of *Pycnandra* (Sapotaceae). Swedish Systematic Meeting. Stockholm, Sweden. [Talk by U.S.]
110. **Antonelli, A.,** Wüsst, R., Linder, P. (2009). I crossed the ocean! What now?... – Links between dispersal, diversification and changing climate. Biology09. Bern, Switzerland [Poster + Conference abstract]
111. Töpel, M., Eriksen, B., Ertter, B., **Antonelli, A.** (2009). Rapid radiation of the draught-adapted *Horkelia* clade (Rosaceae) correlates with the Sierra Nevada uplift and subsequent climate change. Botany & Mycology 2009, Snowbird, USA. [Oral presentation by M.T. + Conference abstract]
112. **Antonelli, A.,** Rodriguez, V. (2009). Gaining access to biological material for research: The case of Amazonian rain forest resources from Brazil. Second COMMUNIA Conference – Global Science and the Economics of Knowledge-Sharing Institutions, Torino, Italy [Oral presentation in English + Extended abstract] *Invited speaker*
113. **Antonelli, A.,** Nylander, J.A.A., Pennington, R.T., Sanmartín, I. (2008). The Andean Uplift and its influence on Neotropical biodiversity. Xth Symposium of the International Organization of Plant Biosystematists. Vysoké Tatry, Slovakia. [Oral presentation in English + Conference abstract]
114. Töpel, M., Antonelli, A., Ertter, B., Eriksen, B. (2008). The Ivesia clade – a case of evolution in response to climate change. Swedish Systematic Meeting. Uppsala, Sweden. [Poster + Conference abstract]
115. **Antonelli, A.** (2008) Spatiotemporal evolution of Neotropical organisms: New insights into an old riddle. Institute of Systematic Botany, Zürich, Switzerland, July 2008. [Oral presentation in English] *Invited speaker*
116. Gustafsson, A.L.S., Antonelli, A., Verola, C.F., Eriksen, B. (2007). Assessing the Evolution of the Rare Orchid Genus *Hoffmannseggella* (Epidendroideae: Laeliinae). Swedish Systematic Meeting. Lund, Sweden. [Poster + Conference abstract]
117. Carlgren, K., Antonelli, A., Dahlberg, J., Appelqvist, T. (2007) Is pollination triggering speciation in *Cypripedium calceolus*? Swedish Systematic Meeting. Lund, Sweden. [Poster + Conference abstract]
118. **Antonelli, A.** (2007). Andean centred elements in the flora of tropical America: phylogeny and historical biogeography. Sixth Biennial Conference of the Systematics Association. Edinburgh, U.K. [Oral presentation in English + Conference abstract]
119. **Antonelli, A.** (2007). Why is tropical America so rich in species? 1st International Palaeobiogeography Symposium. Paris, France. [Oral presentation in English + Conference abstract]
120. **Antonelli, A.** (2006). Why is tropical America so rich in plant species? 4th Annual Meeting of the International School of Biodiversity Sciences. Copenhagen, Denmark. [Oral presentation in Swedish + Conference abstract]
121. **Antonelli, A.** (2006) Phylogeny and historical biogeography of the genus *Hedyosmum* (Chloranthaceae) IX Congreso Latinoamericano de Botánica. Santo Domingo, Dominican Republic. [Oral presentation in Spanish + Conference abstract] *Invited speaker*

122. **Antonelli, A.** (2005) Why is tropical America so rich in species? Swedish Systematic Meeting. Stockholm, Sweden. [Oral presentation in Swedish+ Conference abstract]
123. **Antonelli, A.** (2005). Molecular systematics of Campanulaceae subfam. Lobelioideae. XVII International Botanical Congress. Vienna, Austria. [Poster + Conference abstract]
124. **Antonelli, A.,** Andersson, L. (2003). Phylogenetic and biogeographical problems among siphocampyloid Campanulaceae: results of a pilot study. 10th Nordic Meeting on Neotropical Botany. Gothenburg, Sweden. [Oral presentation in English + Conference abstract]

POPULAR SCIENCE PRESENTATIONS:

125. **Antonelli, A.** (2017) Biodiversity research in Sweden. University of Pemba, Mozambique. (31 October 2017)
126. **Antonelli, A.** (2017). South American biodiversity research: What have we learned? Gothenburg Museum of Natural History. October 12, 2017[Oral presentation in Swedish]
127. **Antonelli, A.** (2017). Biodiversity and climate change: Losers and Winners. "A window to Natural Sciences", University of Gothenburg (29 Sept 2016).
128. **Antonelli, A.** (2017). Biodiversity of Amazonian rainforests – How do we meet the Global Sustainability Goals? Ekocentrum, Göteborg. [Oral presentation in Swedish]
129. **Antonelli, A.** and Källersjö, M. (2017). The Gothenburg Global Biodiversity Centre. UK Board of University Directors meeting, Gothenburg (6 September 2017)
130. **Antonelli, A.** and Perrigo, A. (2017). Meeting the Sustainable Development Goal #15. Centre for environment and sustainability, Gothenburg (24 May 2017)
131. **Antonelli, A.** and Perrigo, A. (2017). The Gothenburg Global Biodiversity Centre. The Maritime Museum and Aquarium, Gothenburg (5 May 2017)
132. **Antonelli, A.** (2017). Writing a successful research proposal. 4th Workshop CYCLON-HIT, University of Gothenburg (3 & 4 May 2017).
133. **Antonelli, A.** (2017). Inaugural presentation, Gothenburg Global Biodiversity Centre. Wallenberg centre, Göteborg. (19 April 2017)
134. **Antonelli, A.** (2017). The evolution and fate of biological diversity. Ekocentrum, Göteborg. [Oral presentation in Swedish]
135. **Antonelli, A.** (2017). Getting funded. Dept of Biological and Environmental Sciences, University of Gothenburg (1 Mar 2017).
136. **Antonelli, A.** (2016). Biodiversity and climate change: Losers and Winners. "A window to Natural Sciences", University of Gothenburg (29 Sept 2016).
137. **Antonelli, A.** (2016). Amazonas: Biodiversity and Threats. Educational day for biology teachers. University of Gothenburg (1 Nov 2016)
138. **Antonelli, A.** (2016). Biodiversity for kids. "Research Friday", Maritime Museum, Gothenburg (30 Sept 2016).

139. **Antonelli, A.** (2016). Biodiversity: Losers and Winners. 'Café-å-lär', Chalmers Technical University, Gothenburg (29 Sept 2016).
140. **Antonelli, A.** (2016). Gothenburg Global Biodiversity Centre. Greenhouse workshop at Gothenburg Botanical Garden. (23 Sept 2016)
141. **Antonelli, A.** (2016). Writing successful applications. Department of Geosciences, University of Gothenburg.
142. **Antonelli, A.** (2015). The evolution and fate of biological diversity. The Royal Society of Arts and Sciences in Gothenburg. [Oral presentation in Swedish]
143. **Antonelli, A.** (2015) The Quest for Cinchona – a Phylogenetic Tale. Gothenburg's Botanical Society, Sweden. [Oral presentation in Swedish]
144. **Antonelli, A.** (2014). Career presentation: my two cents! BioEnv Days, University of Gothenburg. [Oral presentation in English]
145. **Antonelli, A.** (2014). South American Biodiversity: How did it arise and where is it heading for? 30^a Book Fair. Svenska Mässan, Göteborg. [Oral presentation in Swedish]
146. **Antonelli, A.** (2013). Thousands of species tracked – which will survive? An academic quarter, Gothenburg's City Library [Oral presentation in Swedish]
147. **Antonelli, A.** (2013). Neotropical botanical research in Gothenburg (Sweden). Royal Botanic Garden Edinburgh. [Oral presentation in English]
148. **Antonelli, A.** (2013). The evolution and fate of biological diversity. University of Gothenburg. [Oral presentation in Swedish]
149. **Antonelli, A.** (2013). Biological diversity: Past and Future. Politician meeting, Gothenburg botanical garden. [Oral presentation in Swedish]
150. **Antonelli, A.** (2012). Biodiversity in tropical America: How did it develop and where is it heading for? Gothenburg's Botanical Society, Sweden. [Oral presentation in Swedish]
151. **Antonelli, A.** (2012). Interactions, biodiversity and threats in the orchid world. Gothenburg Botanical Garden. [Oral presentation in Swedish]
152. **Antonelli, A.** & Kullin, Å. (2012). *Amorphophallus* – diversity, cultivation, science. Gothenburg Botanical Garden. [Oral presentation in Swedish]
153. **Antonelli, A.** (2011). Organic and fairtrade: does it matter? Gothenburg Botanical Garden. [Oral presentation in Swedish]
154. **Antonelli, A.** (2011). The fascinating world of carnivorous plants. Gothenburg's Science Festival, Göteborgshjulet. [Oral presentation in Swedish]
155. **Antonelli, A.** (2011). Amazonas: Biodiversity and Threats. Friends of the Earth, Gothenburg. [Oral presentation in Swedish, broadcasted on Open TV]
156. **Antonelli, A.** (2011). How long have cacti existed? West Swedish cactus and succulent society. [Oral presentation in Swedish]
157. **Antonelli, A.** (2011). The past and future of Amazonian biodiversity. Gothenburg Botanical Garden. [Oral presentation in English]

158. **Antonelli, A.** (2010). The evolution of orchids. Swedish Orchid Association, Göteborg. 11 December 2010 [Oral presentation in Swedish]
159. **Antonelli, A.** (2010). Organic and fairtrade: what does it mean for you, the farmer, and the environment? Gothenburg Botanical Garden. [Oral presentation in Swedish]
160. **Antonelli, A.** (2010). *Begonia*, the forgotten Beauty. Gothenburg Botanical Garden. [Oral presentation in Swedish]
161. **Antonelli, A.** (2010). Brazil: Pantanal and the Cerrado. Zürich's Botanical Garden, Zürich, Switzerland. [Oral presentation in English]
162. **Antonelli, A.** (2009). Brazil: Amazonia and the Atlantic rainforest. Zürich's Botanical Garden, Zürich, Switzerland. [Oral presentation in English]
163. **Antonelli, A.** (2007). The origin and diversification of rainforests. Biology meeting for high-school students, Universeum Science Centre, Gothenburg, Sweden. [Oral presentation in Swedish]
164. **Antonelli, A.** (2007). A journey to South America's nature. Universeum, Gothenburg, Sweden. [Oral presentation in Swedish]
165. **Antonelli, A.** (2006). Taking a PhD in systematics: how fun is it, really? Inblicken, Gothenburg, Sweden. [Abstract + Oral presentation in Swedish]
166. **Antonelli, A.** (2005). The nature in the island of Crete [Oral presentation in Swedish] The Natural History Museum, Gothenburg, Sweden [Oral presentation in Swedish]
167. **Antonelli, A.** (2004). From the Atlantic Rainforest to the Amazon: photos from Brazil. The Natural History Museum, Gothenburg, Sweden [Oral presentation in Swedish]
168. **Antonelli, A.** (2004). Cerrado: the Brazilian savannah. Gothenburg's Botanical Association, Sweden. [Abstract + Oral presentation in Swedish]
169. **Antonelli, A.** (2004). Cerrado: the Brazilian savannah. Department of Environmental and Plant Sciences, Gothenburg, Sweden. [Abstract + Oral presentation in Swedish]
170. **Antonelli, A.** (2004). Andean-centered elements in the flora of tropical America: phylogeny and historical biogeography. Universidade Estadual de Campinas, Brazil. [Oral presentation in Portuguese]
171. **Antonelli, A.** (2004). The botanical research at University of Gothenburg. Universidade Estadual de Campinas, Brazil. [Oral presentation in Portuguese]
172. **Antonelli, A.** (2003). Brazil: Pantanal, the Amazon and the Atlantic Rainforest. The Natural History Museum, Gothenburg, Sweden [Oral presentation in Swedish]

FILM PRODUCTION:

OWN WORK:

173. **Antonelli, A.** (2013). French Guiana – Snapshots from a biological expedition.
<http://www.youtube.com/watch?v=AwEaf6bi8Gc>
174. **Antonelli, A.** (2012). Ökenliv – Bland kaktusar och suckulenter.
<http://youtu.be/uyOO7uyvgGc>

PRODUCED BY OTHER COMPANIES:

175. **The Past, Present and Future of Neotropical biodiversity:** <http://vimeo.com/110472497>
(by AlphaFilm, October 2014)
176. **Never stop asking - become a scientist!** [in Swedish]: <https://youtu.be/-wcezd8bZ3Q>
177. **Wallenberg Academy Fellow interview.** Swedish version:
<https://youtu.be/ACzK1BaPcrQ> English version: https://youtu.be/zW6cipeWM_w (by
Mediabruket; April 2016)
178. **The Quest for Cinchona:** Short version (3 min): <http://vimeo.com/108911524> and Full
version (24 min): <https://vimeo.com/229138364> (by AlphaFilm, with Nina Rønsted and others;
November 2017)
179. **Searching for Nature's Miraculous Medicines.** 21-minute documentary shown on
Swedish National Television SVT 2, on [12, 14 and 16 March 2018](#) (by AlphaFilm, with Nina
Rønsted and others)

INNOVATIONS:

BioNote AB (<http://bionote.xyz>). Innovation company for sharing biodiversity knowledge.
Founder (2015) and Chairman (2015 – current).

PERSONAL INTERESTS

I spend most of my free time interacting with my family, playing with the kids, and doing outdoor activities such as camping, diving (I am a PADI divemaster with >400 logged dives), looking for wildlife and going to the family's cottage on the island of Tjörn. I also enjoy reading popular science books; long-distance running; gardening and carpentering; collecting, mounting and identifying beetles and butterflies; photographing and filming; listening to good music; cooking and baking; and going out with friends and colleagues in Sweden and abroad.

REFERENCES

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