

## CURRICULUM VITAE

Priv.-Doz. Mag.rer.nat.

**MARIO B. PESENDORFER**, Ph.D.

**Birthday:** 02.02.1982  
**Nationality:** Austria, Switzerland  
**Languages:** German (native), English (fluent), French (conversational)  
**Address:** Bastiengasse 41/6, A-1180 Wien, Austria  
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**ORCID ID:** 0000-0002-7994-7090

## EDUCATION

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**Habilitation in Forest Ecology** (Nov 2023)

University of Natural Resources and Life Sciences, Vienna, Austria

**Ph.D. in Ecology, Evolution & Behavior** (Aug 2008 – Aug 2014)

School of Biological Sciences, University of Nebraska –Lincoln, USA

**Mag. rer. nat. in Zoology & Behavioral Ecology** (Oct 2003 – Jun 2007)

Faculty of Life Sciences, University of Vienna, Austria

## ACADEMIC APPOINTMENTS

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**Senior Scientist** (Jan 2024 – current)

Institute of Forest Ecology, University of Natural Resources and Life Sciences, Vienna, Austria

**Postdoctoral Research Associate** (Aug 2019 – Dec 2023)

Institute of Forest Ecology, University of Natural Resources and Life Sciences, Vienna, Austria

**Adjunct Professor** (Jun 2021 – current)

Department of Forestry and Natural Resources, Purdue University, W. Lafayette, IN, USA

**Research Associate** (nominated affiliation; Jun 2016 – current)

Smithsonian Conservation Biology Institute, Washington, D.C., USA

**Rose Postdoctoral Fellow** (Jun 2018 – Dec 2019)

Cornell Lab of Ornithology, Ithaca, NY, USA

**Postdoctoral Research Associate** (Jan 2014 – Dec 2018)

Hastings Natural History Reservation, UC Berkeley, Carmel Valley, CA, USA &  
Center for Avian Population Studies, Cornell Lab of Ornithology, Ithaca, NY, USA

**Smithsonian/CIC Predoctoral Fellow** (Jun 2012 – Dec 2013)

Migratory Bird Center, Smithsonian Conservation Biology Institute, Washington, D.C., USA

**Graduate Teaching and Research Assistant** (Aug 2008 – Aug 2014)

School of Biological Sciences, University of Nebraska-Lincoln, USA

## SCIENTIFIC EXPERTISE

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### **Forest Ecology: Reproduction, Dispersal, Growth, and Demography in Tree Populations**

Long-term field observations, experiments, and simulation models to investigate the role of resource dynamics, trade-offs, and climatic drivers in driving spatiotemporal variation in seed production, tree growth, and recruitment in forests, from individual trees to global patterns. Hind- and forecasting models of seed production and effects on seed consumer populations. Stand dynamic modeling (SORTIE-ND), landscape-scale remote sensing, and simulation modeling. Fieldwork in European primeval montane forests, Florida scrub, California oak woodlands, and chaparral

### **Behavioral, Population & Community Ecology: Species Interactions & Habitat Relationships**

Movement, competition, occupancy, and abundance of plant and animal populations in relation to habitat composition, spatial and temporal resource distribution, and social dynamics. Remote sensing, radio-tracking, mark-recapture, and behavioral observations of birds and rodents.

### **Conservation Biology: Habitat Restoration, Ecosystem Services, and Scenario Planning**

Developing habitat restoration strategies aimed to harness and enhance existing ecosystem services by avian seed-dispersers. Field trials to test new strategies and construct simulation models of conservation scenarios to scale up to landscape scales and beyond.

**Institutional Partners:** Austrian Federal Forest Research Center *BFW*, Austrian Federal Forests *ÖBF*, Cary Institute of Ecosystem Studies, Cornell Lab of Ornithology, Natural History Museum Vienna *NHM*, Purdue University, Smithsonian Conservation Biology Institute *SCBI*, The Nature Conservancy *TNC*, UC Santa Barbara Office of Education Partnership, U.S. National Park Service *NPS*, U.S. Geological Survey *USGS*

## PROFESSIONAL DEVELOPMENT TRAINING COURSES

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**Supervision of Doctoral and Master Theses** BOKU Vienna, Jan 2024

**Basic Leadership Competence** BOKU Vienna, Mar 2022

**Basic University Didactics** BOKU Vienna, Feb 2022

**Didactics of Online Teaching** BOKU Vienna, Jan 2022

**Habilitation: Path to Success** BOKU Vienna, Oct 2021

**CALS Teaching Experience Workshop** Cornell University, June 2019

**Graduate Teaching Assistant Training Workshop** Univ. of Nebraska – Lincoln, Aug 2008

## PROFESSIONAL SOCIETY MEMBERSHIPS

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**American Ornithologists' Union AOU** (2009 – current)

**American Society of Naturalists ASN** (2017 – current)

**Animal Behavior Society ABS** (2009 – current)

**Canadian Society for Ecology and Evolution CSEE** (2018 – current)

**German Ethological Society** (Ethologische Gesellschaft EG) (2005 – current)

**International Society for Behavioral Ecology ISBE** (2011 – current)

## CONFERENCE ORGANIZATION

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**10<sup>th</sup> California Islands Symposium**, Ventura, CA, USA, Nov 2022 (Org. Committee, Proceedings Editor)

**Kerner-von-Marilaun Symposium**, Austrian Academy of Sciences, Vienna, AT, Jun 2022 (with G. Gratzler)

**SERVICE & EDITORIAL WORK**

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**BOKU Biodiversity Cluster** Organizational Team Member (Nov 2023 – current)**Academic Mid-level Faculty Council** (Mittelbaukurie) Substitute Member (Aug 2022 – current)**Subject Studies Working Group Forestry, Natural Hazards, and Wildlife** (Fachstudien AG FNW) Substitute Member (Jan 2023 – current)**Postdoctoral Mentor** for first-year postdocs, BOKU Institute of Botany (Jul 2023 – current)**Editorial Board Member:** *Philosophical Transactions of the Royal Society B* (Jan 2023 – current)**Lead Editor** Special Issue “*The Ecology and Evolution of Synchronized Reproduction in Plant Populations*” in *Philosophical Transactions of the Royal Society B* (October 2021) with D. Ascoli, M. Bogdziewicz, A. Hackett-Pain, I. Pearse, and G. Vacchiano**Lead Editor** Special Issue “*Proceedings of the 10<sup>th</sup> California Islands Symposium*” in *Western North American Naturalist* (Spring 2024)**Ad-Hoc Reviewer** AoB Plants, American Journal of Botany, Animal Behaviour, Annals of Botany, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biology Letters, Bird Study, The Condor, Current Zoology, Ecological Entomology, Ecology, Ecology & Evolution, Ecology Letters, Forest Ecology and Management, Functional Ecology, Ibis, Integrative Zoology, Journal of Animal Ecology, Journal of Ecology, Journal of Field Ornithology, Nature Plants, New Phytologist, New Zealand Journal of Zoology, Oikos, Ornithology, Plant Ecology, PLoS one, Science of the Total Environment, Tropical Conservation Science, Western Birds, Western North American Naturalist**Grant Reviewer** Animal Behavior Society (ABS), American Ornithological Society (AOS), Croatian Science Foundation, Ohio Agricultural Research and Development Center (OARDC), Polish Academy of Sciences, Polish Science Foundation (NCN), Rufford Small Grant Program, Sigma Xi (Cornell Chapter), U.S. National Science Foundation (NSF)**Expert Panel Life Sciences Grants** Polish Science Foundation (NCN; 2024 - current)**Early Career Editorial Board** for *The Condor* (2010 – 2013)**Elective Member & Membership Committee** American Ornithological Society (2018 – current)**OUTREACH & MEDIA**

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**News Coverage & Interviews** Science Magazine, Discover Magazine, Scientific American, Anthropocene, IFL Science, Audubon Magazine, BBC Earth, Birding Daily, Conservation Magazine, Ars Technica, Earth Times, How Stuff Works, Nautilus Magazine, Popular Science**Channel Islands Future Scientists Camp – Initiator & Organizer** 80+ students from underrepresented minority background; full immersion course in ecology w/ guest lectures by scientists and managers. Channel Islands National Park, California, USA**Scientific Consulting** “*Wildlife as Canon Sees It*” advertising campaign in National Geographic Magazine, supervised by Joel Sartore (2012 – 2019); BBC Natural History Unit: Smart Birds; Green Planet, et al. (2014 - current)**Guest Blog Posts** British Ornithological Union (2016), Journal of Ecology (2017)

## AWARDS & FELLOWSHIPS

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**Elected Member** American Ornithological Society AOS; 2018  
**Southwood Prize for Early Career Researchers** Shortlisted Journal of Applied Ecology; 2019  
**Outstanding Leadership in Conservation Education** Office of Education Partnerships, UC Santa Barbara & Smithsonian Conservation Biology Institute, Washington, D.C., USA; 2018  
**Rose Postdoctoral Fellowship** Cornell Lab of Ornithology, Ithaca, NY, USA, 2018 (\$50,000)  
**Visiting Student Fellowship** Smithsonian Institution, Washington, D.C.; 2013 (\$ 15,000)  
**Smithsonian Predoctoral Fellowship** Smithsonian Institution, Washington, D.C; 2012 (\$ 30,000)  
**Graduate Student Fellowship** Smithsonian Institution, Washington, D.C.; 2010 (\$ 6,500)  
**Animal Behavior Society** Research Award; 2010 (\$ 500)  
**American Ornithologists' Union** Research Award; 2010 (\$ 700)

## SUPERVISION & MENTORING

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**PhD Supervisor:** Jerneja Harmel (BOKU)  
**MSc Supervisor:** Maximilian Wögerer (BOKU)  
**Co-Supervision, Ph.D.:** Iris Oberklammer (BOKU), Martina Perzl (BOKU), Loreto Martínez de Baroja Villalón (University of Alcalá/Cornell Lab of Ornithology), Spencer Schubert (Old Dominion University), Natasha Hagemeyer (Old Dominion University), Young Ha Suh (Cornell University)  
**Co-Supervision M.Sc.:** Laura Wachtveitl, Iris Oberklammer, Johann Zollitsch (all BOKU)  
**Postdoc Mentor:** Anne Fitzky (Institute of Botany, BOKU)  
**BES Mentor:** British Ecological Society, Halima Malal (Morocco)  
**External Doctoral Committee Member:** João Rosa (CIBIO-InBIO, Universidade do Porto, Portugal)  
**Smithsonian Scholars Program.** Mentored 30+ students in a collaboration with UC Santa Barbara & Smithsonian Institution. Workshops, fieldwork, and excursions to Channel Islands National Park, (2015 – current; [https://oep.ucsb.edu/programs/smithsonian\\_scholars\\_project/](https://oep.ucsb.edu/programs/smithsonian_scholars_project/))  
**13 Publications with Graduate Students.** 12 published, 1 submitted/in revision

## TEACHING (course level: <sup>1</sup> undergraduate, <sup>2</sup> graduate)

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**Instructor on Record:** Developed and implemented courses

- **Forest Ecology**<sup>1</sup> BOKU, Summer 2024 (w/ Gratzer, Sanden, Berger, Katzensteiner)
- **Scientific Methods and Writing Skills**<sup>2</sup>, BOKU, Winter 2023/24 (MSc – level)
- **Vegetation Ecology**<sup>2</sup> BOKU, Summer 2021 (w/ Gratzer, Sanden)
- **Forest Ecosystem Dynamics**<sup>2</sup> BOKU, Winter 2020/2021 (w/ Gratzer)
- **Sustainable Land Use in Developing Countries**<sup>2</sup> BOKU, Spring 2020 (w/ Gratzer, Scherb)
- **Introduction to Behavior**<sup>1</sup> Cornell University, Summer 2019

**Co-Teaching and Teaching Assistant:**

- **Field Animal Behavior**<sup>1</sup> University of Nebraska – Lincoln, 2012 (Co-taught w/ Alan Kamil)
- **Field Ornithology**<sup>1</sup> University of Nebraska – Lincoln, 2011 (Co-taught w/ John Faaborg)
- **Introductory Biology Laboratory**<sup>1</sup> University of Nebraska - Lincoln, 3 Semesters (TA)
- **Organismic Biology Laboratory**<sup>1</sup> University of Nebraska - Lincoln, 3 Semesters (TA)

## MARIO B. PESENDORFER

### PEER-REVIEWED PUBLICATIONS

(\*graduate student; # shared first authorship)

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#### - 2024 -

**Pesendorfer MB**, Bogdziewicz M, Oberklammer I, Nopp-Mayr U, Szwagrzyk J, Gratzer G (2024) Positive spatial and temporal density-dependence drive early reproductive economy-of-scale effects of masting in a European old-growth forest community. *Journal of Ecology* [[link](#)] in press.

Bogdziewicz M, Kelly D, Ascoli D, Caignard T, Chianucci F, Crone EE, Fleurot E, Foest JJ, Gratzer G, Hagiwara T, Han Q, Journé V, Keurinck L, Kondrat K, McClory R, LaMontagne JM, Mundo IA, Nussbaumer A, Oberklammer I, Ohno M, Pearse IS, **Pesendorfer MB**, Resente G, Satake A, Shibata M, Snell R, Szymkowiak J, Touzot L, Zwolak R, Żywiec M, Hacket-Pain A (2024) Evolutionary ecology of masting: mechanisms, models, and climate change. *Trends in Ecology & Evolution* [[link](#)] in press.

Foest JJ, Bogdziewicz M, **Pesendorfer MB**, Ascoli D, Cutini A, Nussbaumer A, Verstraeten A, Beudert B, Chianucci F, Mezzavilla F, Gratzer G, Kunstler G, Meesenburg H, Wagner M, Mund M, Cools N, Vacek S, Schmidt W, Vacek Z, Hacket-Pain A (2024). Widespread breakdown in masting in European beech due to rising summer temperatures. *Global Change Biology* 30: e17307.

#### - 2023 -

Journé V, Hacket-Pain A, Oberklammer I\*, **Pesendorfer MB**, Bogdziewicz M (2023). Forecasting seed production in perennial plants: identifying challenges and charting a path forward. *New Phytologist* 239: 466-476.

Hagemeyer ND\*\*\*, **Pesendorfer MB**#, Koenig WD, Walters EL (2023). Unraveling a paradox of habitat relationships: scale-dependent drivers of temporal occupancy-abundance relationships in a cooperatively breeding bird. *Landscape Ecology* 38: 1955-1970.

Fitzky AC\*, Kaser L, Peron A, Karl T, Graus M, Tholen D, Halbwirth H, Trimmel H, **Pesendorfer MB**, Rewald B, Sandén H (2023). Same, same, but different: Drought and salinity affect BVOC emission rate and alter blend composition of urban trees. *Urban Forestry & Urban Greening* 80: 127842.

#### - 2022 -

Hacket-Pain AJ, Foest JJ\*, Pearse IS, LaMontagne LM, Koenig WD, Vacchiano G, Bogdziewicz M, Caignard T, Celebias P, van Dormolen J, Fernández-Martínez M, Moris JV, Palaghianu C, **Pesendorfer MB**, Satake A, Schermer E, Tanentzap AJ, Thomas PA, Vecchio D, Wion A, et al. (2022) MASTREE+: time-series of plant reproductive effort from six continents. *Global Change Biology* 28: 3066-3082.

Gratzer G#, **Pesendorfer MB**#, Sachser F\*, Wachtveitl L\*, Nopp-Mayr U, Szwagrzyk J, Canham CD (2022) Does fine-scale spatiotemporal variation in seed rain translate into plant population structure? *Oikos* 2: e08826.

#### - 2021 -

**Pesendorfer MB**, Ascoli D, Bogdziewicz M, Hacket-Pain A, Pearse IS, Vacchiano G (2021) The ecology and evolution of synchronized reproduction in plants. *Philosophical Transactions of the Royal Society B* 376: 20200369. (Introduction to Special Issue; highlighted in *Science*)

- Pearse IS, Wion A, Gomez A, **Pesendorfer MB** (2021) Understanding masting for conservation and land management. *Phil Trans Roy Soc B* 376: 20200383.
- Vacchiano G, **Pesendorfer MB**, Conedera M, Gratzer G, Rossi L, Ascoli D. 2021. Natural disturbances and masting: from mechanisms to fitness consequences. *Phil Trans Roy Soc B* 376: 20200384.
- Pesendorfer MB**, Bowman R, Gratzer G, Pruett S, Tringali A, Fitzpatrick JW (2021) Fire history and weather interact to determine extent and synchrony of mast-seeding in rhizomatous scrub oaks of Florida. *Phil Trans Roy Soc B* 376: 20200381.
- Fitzky AC\*, Peron A, Kaser L, Karl T, Graus M, Tholen D, **Pesendorfer MB**, Mahmoud M, Sandén H, Rewald B. (2021) Diversity and interrelations among the constitutive VOC emission blends of four broad-leaved tree species at seedling stage. *Frontiers in Plant Science* 12: 708711.
- Sachser F\*, **Pesendorfer MB**, Gratzer G, Nopp-Mayr U (2021) Differential spatial responses of rodents to masting in forests with differing disturbance history. *Ecology and Evolution* 11: 11890-11902.
- Martínez-Baroja L\*, Pérez-Camacho L, Villar-Salvador P, Rebollo R, Leverkus AB, **Pesendorfer MB**, Molina-Morales M, Castro J, Rey Benayas JM (2021) Caching territoriality and site preferences by a scatter-hoarder drive the spatial pattern of seed dispersal. *Journal of Ecology* 109: 2342-2353.
- 2020 -
- Bogdziewicz M, **Pesendorfer MB**, Crone EE, Pérez-Izquierdo C, Bonal R (2020) Flowering synchrony drives reproductive success in a wind-pollinated tree. *Ecology Letters* 23: 1820-1826.
- Bogdziewicz M, Szymkowiak J, Bonal R, Hacket-Pain A, Espelta JM, **Pesendorfer MB**, Grewling L, Kasprzyk I, Belmonte J, DeLinares C, Penuelas J, Fernandez-Martinez M (2020) What drives phenological synchrony? Warm springs advance and desynchronize flowering in oaks. *Agricultural and Forest Meteorology* 294: 108140.
- Moreira X, Abdala-Roberts L, Galmán A, Bartlow A, Berny-Mier y Terán J, Carrari E, Covelo F, de la Fuente M, Ferrenberg S, Fyllas N, Hoshika Y, Lee S, Marquis R, Nakamura M, Nell C, **Pesendorfer MB**, Steele M, Vázquez-González C, Zhang S, Rasmann S (2020) Ontogenetic consistency in oak defence syndromes. *Journal of Ecology* 108: 1822 - 1834.
- Pesendorfer MB**, Bogdziewicz M, Szymkowiak J, Borowski Z, Kantorowicz W, Espelta J, Fernandez-Martinez M (2020) Investigating the relationship between climate, stand age, and temporal trends in masting behavior of European forest trees. *Global Change Biology* 26: 1654-1667.
- Bogdziewicz M, Ascoli D, Hacket-Pain A, Koenig WD, Pearse I, **Pesendorfer MB**, Satake A, Thomas P, Vacchiano G, Wohlgemuth T, Tanentzap A (2020) From theory to experiment in mast seeding: an agenda for experimental ecology. *Ecology Letters* 23: 210 - 220.
- Suh YH\*, **Pesendorfer MB**, Tringali A, Bowman R, Fitzpatrick JW (2020) Social and environmental predictors of natal dispersal age and distance in a cooperatively breeding bird. *Behavioral Ecology* 31: 692-701.

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**- 2019 -**

**Pesendorfer MB**, Bogdziewicz M, Koenig WD, Ledwon M, Zywiec M (2019) Declining seed production before death in a widely distributed tree? *Annals of Forest Science* 76:11.

Moreira X, Abdala-Roberts L, Pérez-Ramos IM, Knops JMH, **Pesendorfer MB**, Mooney KA, Koenig WD (2019) Climatic cues associated with masting dampen the negative autocorrelation between past and current reproduction in oaks. *American Journal of Botany* 106: 51-60.

**- 2018 -**

**Pesendorfer MB**, Dickerson S, Dragoo J (2018) Observation of tool use in striped skunks: how community science and social media help document rare natural phenomena. *Ecosphere* 9: e02484.

Schubert SC\*, **Pesendorfer MB**, Koenig WD (2018) Context-dependent post-dispersal predation of acorns in a California oak community. *Acta Oecologica*, 92: 52-58.

Koenig WD, Knops JMH, Carmen WJ, **Pesendorfer MB**, Dickinson JL (2018) Effects of mistletoe (*Phoradendron villosum*) on California oaks. *Biology Letters* 14: 20180240.

**Pesendorfer MB**, Koenig WD (2018) Does aggression avoidance drive oak tree attendance by corvid scatter-hoarders? *Behavioral Ecology and Sociobiology* 72: 85.

Borges S\*, Oliveira F, Guerra R\*, Oliveira T, **Pesendorfer MB**, Bezerra B, Souto A, Schiel N (2018) Stay gathered rather than scattered: strategies of common marmosets during agonistic interactions with birds in the Atlantic rain forest. *Folia Primatologica*, 89: 357 - 364.

**Pesendorfer MB**<sup>#</sup>, Baker C<sup>#</sup>, Stringer M, McEachern K, Bode M, McDonald-Madden E, Morrison SA, Sillett TS (2018) Oak habitat recovery on California's largest islands: scenarios for the role of corvid seed dispersal. *Journal of Applied Ecology* 55: 1185 - 1194.

**- 2017 -**

Koenig WD, Knops JMH, **Pesendorfer MB**, Zaya D, Ashley M (2017) Drivers of spatial synchrony of acorn production in the valley oak at two geographic scales. *Ecology* 98: 3056 – 3062.

Bogdziewicz M, Szymkowiak J, Kasprzyk I, Grewling L, Borowski Z, Borycka K, Kantorowicz W, Piotrowicz K, Ziemanin M, **Pesendorfer MB** (2017) Masting in wind-pollinated trees: the role of weather and pollination dynamics in driving seed production. *Ecology* 98: 2615 – 2625.

Koenig WD, **Pesendorfer MB**, Knops JMH (2017) Evolutionary drivers, proximate mechanisms, and spatial synchrony of acorn production in oaks. *International Oaks* 28: 29 - 40.

**Pesendorfer MB**, Koenig WD (2017). Competing for seed dispersal: evidence for the role of avian seed hoarders in mediating apparent predation among oaks. *Functional Ecology* 31: 622 - 631.

Koenig WD, Knops JMH, Carmen WJ, **Pesendorfer MB** (2017) Testing the terminal investment hypothesis in California oaks. *American Naturalist* 189: 564-569.

**Pesendorfer MB**, Sillett TS, Morrison SA (2017) Spatially biased dispersal by a scatter-hoarding corvid may accelerate passive habitat restoration on California's largest island. *Current Zoology* 63: 363-367. (Cover article)

- 2016 and older -

Koenig WD, Alejano R, Carbonero MD, Fernández-Rebollo P, Knops JMH, Marañón T, Padilla-Díaz CM, Pearse IS, Pérez-Ramos IM, **Pesendorfer MB** (2016) Is the relationship between mast-seeding and weather in oaks related to their life-history or phylogeny? *Ecology* 97: 2603-2615.

**Pesendorfer MB**, Sillett TS, Morrison SA, Kamil AC (2016). Context-dependent seed dispersal by a scatter-hoarding corvid. *Journal of Animal Ecology* 85: 798-805.

**Pesendorfer MB**, Koenig WD, Knops JMH, Pearse IS, Funk KA\* (2016) Individual resource-limitation combined with population-wide pollen availability drives masting in the valley oak (*Quercus lobata*). *Journal of Ecology* 103: 637-645.

**Pesendorfer MB**, Koenig, WD (2016) The effect of within-year variation in acorn crop size on seed predation and dispersal by avian hoarders. *Oecologia* 181: 97-106.

**Pesendorfer MB**, Morrison SA, Sillett TS, Koenig, WD (2016) Scatter-hoarding corvids as seed dispersers for oaks and pines: a review of a widely distributed mutualism and its utility to habitat restoration. *The Condor: Ornithological Applications* 118: 215-237.

**Pesendorfer MB** (2015) The effect of seed size variation in *Quercus pacifica* on seedling establishment and growth. *Proceedings for the 7th California Oak Symposium: Managing Oak Woodlands in a Changing World. Nov. 2014, Visalia, CA.* pp. 407-412.

Pearse IS, Koenig WD, Funk KA\*, **Pesendorfer MB** (2015) Pollen limitation and flower abortion in a wind-pollinated, masting tree. *Ecology* 96: 587-593.

**Pesendorfer MB**, Langin KM, Cohen B, Principe Z, Morrison SA, Sillett TS (2014) Stand structure and acorn production of island scrub oaks (*Quercus pacifica*). *Monographs of the Western North American Naturalist* 7: 246-259.

**Pesendorfer MB**, Gunhold T, Schiel N, Souto A, Huber L, Range F (2009) The maintenance of traditions in free-living marmosets: individual habit or social conformity? *PLoS ONE* 4: e4472.

BOOK CHAPTER

Beckman E, **Pesendorfer MB**, Meyer A, Westwood M (2019). *Quercus pacifica* (Nixon & C.H.Müll.) In Beckman, E., Meyer, A., Man, G., Pivorunas, D., Denvir, A., Gill, D., Shaw, K., & Westwood, M. *Conservation Gap Analysis of Native U.S. Oaks* (pp. 158-165). Lisle, IL: The Morton Arboretum

SUBMISSIONS & PREPRINTS (complete manuscripts, available upon request)

Szymkowiak J, Hackett-Pain A, Kelly D, Foest J, Kondrat K, Thomas P, Lageard J, Gratzer G, **Pesendorfer MB**, Bogdziewicz M (*in review*). Masting ontogeny: the largest masting benefits accrue to the largest trees. *Journal of Ecology*

## INVITED PRESENTATIONS

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**Wilhelminenberg Lecture**, University of Veterinary Medicine Vienna, Mar 2023  
**Ecology Seminar** Biodiversity Dynamics & Conservation Group, University of Vienna, Nov 2022  
**CMEC Seminar**, Center for Macroecology, Evolution and Climate, Copenhagen, DK, Feb 2022  
**Ecology Group Talk**, University of Liverpool, Apr 2021  
**Biological Sciences Seminar**, Binghamton University, Oct 2019  
**Integrative Biology Seminar**, University of Guelph, Jan 2019  
**From Shore to Sea Lecture**, Channel Islands National Park, Ventura, CA, Oct 2018  
**Archbold Biological Station**, Seminar Series, Venus, FL, Sep 2018  
**Smithsonian Migratory Bird Center**, National Zoological Park, Washington, D.C., Jan 2018  
**Old Dominion University**, Norfolk, VA, Jan 2018  
**Santa Barbara Botanical Garden**, Santa Barbara, CA, Jun 2017  
**Sedgwick Lecture Series**, UC Santa Barbara, May 2015, July 2016, June 2017  
**EcoSeries Lecture** Humboldt State University, Arcata, CA, Apr 2017  
**Smithsonian Conservation Biology Lecture Series**, National Zoological Park, Apr 2014  
**Corvid Cognition Symposium**, Int. Society for Behavioral Ecology, Lund, Sweden, Aug 2012  
**Madingley Lecture**, Sub-Department of Animal Behaviour, Cambridge University, Feb 2008

## SELECTED CONFERENCE PRESENTATIONS

(presenter & first author)

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**California Islands Symposium**, Ventura, CA, USA, Nov 2023  
**Mathematical Biology Seminar**, Lincoln, NE, USA, May 2023  
**California Oak Symposium**, San Luis Obispo, CA, USA, Oct 2022  
**Nationalparks Austria Forschungssymposium**, Wien, AT, Sep 2022  
**International Society for Behavioral Ecology (ISBE)**, Stockholm, Sweden, Jun 2022  
**Ecology Across Borders (BES & SFE)**, Liverpool, UK, Dec 10-15, 2021  
**Woodpecker Expert Group** German Ornithological Society (DOG) Nov 2021  
**Frugivory & Seed Dispersal (FSD)**, Uttarakhand, India, Mar, 2020  
**American Ornithology 2018**, Tucson, AZ, Apr, 2018  
**American Society of Naturalists**, Asilomar, CA, Jan 2018  
**California Islands Symposium**, Ventura, CA, Oct 2016  
**International Society for Behavioral Ecology**, Exeter, U.K., Jul 2016  
**California Oak Symposium**, Visalia, CA, Nov 2014

## SELECTED CONFERENCE PRESENTATIONS (cont'd)

(presenter & first author)

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**International Society for Behavioral Ecology**, New York, NY, Jul 2014

**International Society for Behavioral Ecology**, Lund, Sweden, Aug 2012

**Animal Behavior Society**, Bloomington, IN, Jul 2011

**European Conference on Behavioral Biology**, Belfast, N. Ireland, Jul 2006

**International Ethological Conference**, Budapest, Hungary, Aug 2005

## PROJECTS (~ \$2.3 Mio acquired to date)

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**Waldfonds, Federal Ministry of Agriculture, Regions and Tourism (BMLRT), Austria (2021 – 2024)**

FORSEE: Austria's Future Forest Seeds. € 1'535'046.38 (*Co-Lead PI*/w/ Georg Gratzner, *Work Package PI*). **Project Partners:** Federal Forest Research Center (BFW), Austrian Federal Forests (ÖBF), Institute for Wildlife Ecology and Game Management (IWJ, BOKU), and Institute of Wood Technology and Renewable Materials (IHTNR, BOKU)

**The Nature Conservancy California (2020 – 2021)** Demographic monitoring and assessing the impact of ecosystem services of island scrub-jays in oak habitat. **\$104,951 + \$53,955 (PI)**

**U.S. National Park Service (2019 – 2021)** Restoring fire scars with ecosystem services **\$150,000 (PI)** Channel Islands National Park, California

**The Nature Conservancy California (2018 - 2019)** The role of animal-mediated seed dispersal in the recovery of oak chaparral from wildfire **\$ 49,896 (Co-PI**/w/ T. S. Sillett)

**Polish Academy of Sciences (2017 – 2020)** Phenology synchrony or pollen coupling? Experimental evaluation of the role of pollen limitation and plant' resource state in driving seed production in masting plants. **\$ 158,608 (Co-PI**/w/ M. Bogdziewicz, R. Bonal, E.E. Crone, J.M. Espelta)

**The Nature Conservancy California (2014 - 2017)** Demographic and behavioral response of island scrub-jays to variation in acorn crops. **\$ 189,843 (Co-PI**with T. S. Sillett)

## COMPETITIVE FELLOWSHIPS (~\$100,000 acquired)

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**Rose Postdoctoral Fellowship** Cornell Lab of Ornithology, Ithaca, NY, 2018 (**\$50,000**)

**Visiting Student Fellowship** Smithsonian Institution, Washington, D.C.; 2013 (**\$ 15,000**)

**CIC Smithsonian Predoctoral Fellowship** Council for Institutional Cooperation & Smithsonian Institution, Washington, D.C; 2012 (**\$ 30,000**)

**Graduate Student Fellowship** Smithsonian Institution, Washington, D.C.; 2010 (**\$ 6,500**)