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*Curriculum Vitae*  
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**BIRTH DATE:**

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**EDUCATION:**

**Ph.D.** (Botany), 1994. **Washington State University** (D.E. Soltis, advisor).  
**M.A.** (Biology), 1990. **The College of William and Mary in Virginia** (G.W. Hall, advisor).  
**B.S.** (Biology), 1987. **The College of William and Mary in Virginia**.

**CURRENT POSITION:**

**Director & Curator**, Cullman Program for Molecular Systematics, New York Botanical Garden.

**CURRENT AFFILIATED POSITIONS:**

**Adjunct Professor of Plant Sciences**, The Graduate Center, City University of New York. 2009–present.  
**Adjunct Faculty**, Fordham University. 2014–present.  
**Affiliate Professor of Biology**, Virginia Commonwealth University. 2009–present.  
**Research Associate**, Missouri Botanical Garden, St. Louis. 2002–present.

**PAST FACULTY POSITIONS**

**Professor of Biology**, Virginia Commonwealth University. 2008–2009.  
**Associate Professor of Biology**, Virginia Commonwealth University. 2002–2008.  
**Assistant Professor of Biology**, Virginia Commonwealth University. 1996–2002.

**OTHER PROFESSIONAL EXPERIENCE:**

**Curator**, Herbarium of Virginia Commonwealth University (VCU). 1996–2009.  
**Graduate Faculty**, Molecular Biology and Genetics Program, VCU. 1998–2009.  
**Fellow**, Center for the Study of Biological Complexity, VCU. 2002–2009.  
**Visiting Curator/Professeur**, Muséum National d'Histoire Naturelle, Paris. 2004, 2005.  
**Visiting Scientist**, University of the South Pacific, Suva, Fiji. February–July 2003.  
**Visiting Scientist**, Australian National Herbarium, Canberra, ACT, Australia. January 2003.  
**Post-doctoral Research Associate**, Dept. of Plant Biology, University of Illinois. 1995–1996.  
**Instructor of Botany and Biology**, Washington State University. 1994–1995.

**MEMBERSHIP IN PROFESSIONAL SOCIETIES:**

Botanical Society of America (since 1990)  
American Society of Plant Taxonomists (since 1990)  
Society of Systematic Biologists (since 1990)  
International Association for Plant Taxonomy (since 2001)  
Torrey Botanical Society (since 2012)

**PEER-REVIEWED PAPERS & BOOK CHAPTERS (PUBLISHED/IN PRESS/ACCEPTED):** [95 PAPERS]

- Kelso, N., **G.M. Plunkett**, P. Dovo, D.M. Ramík, C.B. Paul Vusqal, K.D. Harrison, and M.J. Balick. 2023. The palolo worm as a cornerstone of Pacific ecological time-reckoning. *Ethnobiology Letters*, in press.
- Ranker, T.A., M.J. Balick, **G.M. Plunkett**, K.D. Harrison, and J.-P. Wahe. 2022. Ethnobotany and vernacular names of the lycophytes and ferns of Tafea Province, Vanuatu. *American Fern Journal* 112: 143–177.
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- Plunkett, G.M.**, T.A. Ranker, C. Sam & M.J. Balick. 2022. Towards a checklist of the Vascular Flora of Vanuatu. *Candollea* 77: 105–118.
- Neill, D.A., P.P. Lowry II, **G.M. Plunkett**, M.M. Mora, E. Merino, M. Asanza and L. Jost. 2021. Studies in Neotropical Araliaceae. IX. Four New Species of *Sciodaphyllum* from the Cordillera Abitagua, Eastern Andes of Ecuador. *Novon* 29: 118–131.
- Ottenlips, M.V., D.H. Mansfield, S. Buerki, M.E. Feist, S.R. Downie, S. Dodsworth, F. Forest, **G.M. Plunkett**, and J.F. Smith. 2021. Resolving species boundaries in the *Lomatium packardiae*/*L. anomalum* clade of the *L. triternatum* (Apiaceae) complex. *American Journal of Botany* (special issue dedicated to Angiosperm353 targeted data capture) 108: 1217–1233.
- Idárraga P., A., J. Jiménez M., P.P. Lowry II, M. M. Mora, and **G.M. Plunkett**. 2021. Two New Species of *Sciodaphyllum* (Araliaceae) from the Andes of northwestern Colombia. *Novon* 29: 211–220.
- Clarkson, J.J., A.R. Zuntini, O. Maurin, S.R. Downie, **G.M. Plunkett**, A.N. Nicolas, J.F. Smith, M.E. Feist, K. Gutierrez, P. Malakasi, P. Bailey, G.E. Brewer, N. Epiawalage, S. Zmarzty, F. Forest, and W.J. Baker. 2021. A higher-level nuclear phylogenomic study of the carrot family (Apiaceae). *American Journal of Botany* (special issue dedicated to Angiosperm353 targeted data capture) 108: 1252–1269.
- Plunkett, G.M.**, P.P. Lowry II, and D.A. Neill. 2021. Studies in Neotropical Araliaceae. VII. Two new genera, *Cephalopanax* and *Frodingia*, to accommodate the remaining species of Neotropical *Schefflera*. *Brittonia* 73: 251–261.
- Rodriguez-Vaz, C., **G.M. Plunkett**, and P. P. Lowry II. 2021. Studies in Neotropical Araliaceae. VI. Three new species of *Sciodaphyllum* P. Browne (Araliaceae) with globose capitate inflorescences from Ecuador and Peru. *Brittonia* 73: 262–273.
- Zotz, G., F. Almeda, A. Bautista, A. Eskov, D. Giraldo-Cañas, B. Hammel, R. Harrison, N. Köster, T. Krömer, R.C. Moran, **G.M. Plunkett**, P.P. Lowry II, T. Weichgrebe. 2021. Hemiepiphytes revisited. *Perspectives in Plant Ecology, Evolution and Systematics*, <https://doi.org/10.1016/j.ppees.2021.125620>.
- Boraks, A., **G.M. Plunkett**, T. Doro, F. Alo; S. Chanel, M. Tuiwawa, T. Ticktin, A.S. Amend. 2021. Scale-dependent influences of distance and vegetation on the composition of aboveground and belowground tropical fungal communities. *Microbial Ecology* 81: 874–883.
- Farminhão, J.N.M., T. D'hajjère, V. Droissart, L.D. Isonga, L. Dong, S. Verlynde, **G.M. Plunkett**, M. Simo-Droissart, and T. Stévert. 2020. An elegy to *Rangaeris*, including a description of two new genera in the *Cyrtorchis–Tridactyle* clade (Orchidaceae, Angraecinae). *Annals of the Missouri Botanical Garden* 105: 300–322.
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- Liu, M., **G.M. Plunkett**, P.P. Lowry II, B.-E. van Wyk, P.M. Tilney, A.N. Nicolas. 2016. The phylogenetic significance of fruit and trichome structures in Apiaceae subfamily Mackinlayoideae. *Systematic Botany* 41: 685–699.
- Liu, M., B.-E. van Wyk, P.M. Tilney, **G.M. Plunkett**, P.P. Lowry II, and A.R. Magee. 2016. The phylogenetic significance of fruit structural variation in the tribe Heteromorphae (Apiaceae). *Pakistan Journal of Botany* 48: 201–210.
- Fiaschi, P., and **G.M. Plunkett**. 2016. Two new species of the *Didymopanax* clade of *Schefflera* (Araliaceae) from the Brazilian Amazon. *Phytotaxa* 245: 153–160.
- Callmander, M.W., P.B. Phillipson, **G.M. Plunkett**, M.B. Edwards, and S. Buerki. 2016. Generic delimitations, biogeography and evolution in the tribe Coleeae (Bignoniaceae) endemic to Madagascar and the smaller islands of the western Indian Ocean. *Molecular Phylogenetic and Evolution* 96: 178–186.
- Costion, C.M., and **G.M. Plunkett**. 2016. A revision of the genus *Osmoxylon* (Araliaceae) in Palau, including two new species. *PhytoKeys* 58: 49–64.
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- Van Wyk, B.-E. P.M. Tilney, A.R. Magee, B.J. De Villiers, A.A. Oskolski, M. Liu, P.J.D. Winter, C.I. Calviño, S.R. Downie, **G.M. Plunkett**, and P.P. Lowry II. 2008. A review of taxonomic studies in African Apiaceae. Sixth International Apiales Symposium, Moscow, Russia.
- De Villiers, B.J., B.-E. van Wyk, P.M. Tilney, **G.M. Plunkett**, P.P. Lowry II, A.A. Oskolski. 2008. A taxonomic study of the genus *Cussonia* and related genera (Araliaceae). Sixth International Apiales Symposium, Moscow, Russia.
- Liu M., B.-E. van Wyk, P.M. Tilney, **G.M. Plunkett**, P.P. Lowry II. 2008. Morphological characters of the carpophores of Drude's tribe Mulinaceae (Apiaceae) and their possible taxonomic value. Sixth International Apiales Symposium, Moscow, Russia.
- Plunkett, G.M.** and P.P. Lowry II. 2007. Evolution and Biogeography in Melanesian *Schefflera* (Araliaceae): a Preliminary Assessment Based on ITS and ETS Sequence Data. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Chicago, IL.
- Nicolas, A.N. and **G.M. Plunkett**. 2007. Placement of the Hydrocotyloids Based on a New Phylogeny with Expanded Sampling across the Order Apiales. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Chicago, IL.
- Fiaschi, P., **G.M. Plunkett**, and P.P. Lowry II. 2007. What do we know about Neotropical *Schefflera* (Araliaceae)? A first molecular phylogenetic analysis. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Chicago, IL.
- De Villiers, B.J., B.-E. van Wyk, P.M. Tilney, **G.M. Plunkett**, and P.P. Lowry II. 2007. The taxonomic significance of leaf anatomical characters in *Cussonia* (Araliaceae). *South African Journal of Botany* 73: 285. Annual Congress of the South African Association of Botanists, University of Cape Town.
- Plunkett, G.M.** and P.P. Lowry II. 2005. Phylogenetic and biogeographic relationships in *Polyscias* s. lat. (Araliaceae). XVII<sup>th</sup> International Botanical Congress, Vienna, Austria.
- Tronchet, F., **G.M. Plunkett**, J. Jérémie, and P.P. Lowry II. 2005. Phylogeny and biogeography of the Pacific genus *Meryta* (Araliaceae) based on ITS and ETS sequence data. XVII<sup>th</sup> International Botanical Congress, Vienna, Austria.
- Plunkett, G.M.** and P.P. Lowry II. 2005. *Polyscias* s. lat. (Araliaceae) in the Indian Ocean basin: paraphyly, polyphyly, and multiple dispersals. Fifth International Apiales Symposium, Vienna, Austria.
- Lowry, P.P. II & **G.M. Plunkett**. 2005. Breaking up is hard to do: a road map to generic realignments in *Polyscias* s. lat. and *Schefflera* s. lat. (Araliaceae). Fifth International Apiales Symposium, Vienna, Austria.
- Tronchet, F., **G.M. Plunkett**, J. Jérémie, and P.P. Lowry II. 2005. Phylogeny, biogeography and morphology of the Pacific genus *Meryta* (Araliaceae). Fifth International Apiales Symposium, Vienna, Austria.
- Wen, J., C. Lee, **G.M. Plunkett**, and P.P. Lowry II. 2005. Diversity and evolution of Araliaceae in Asia. Fifth International Apiales Symposium, Vienna, Austria.
- Chandler, G.T., S.M. Pinney, L.W. Cayzer, **G.M. Plunkett**. 2005. A Molecular systematic study and overview of Pittosporaceae. Fifth International Apiales Symposium, Vienna, Austria.
- Nicolas, A.N., **G.M. Plunkett**, B.L. Brown. 2005. Evolution and taxonomy of clupeid subfamily Alosinae. Northeast Fish and Wildlife Conference, Virginia Beach, VA.
- Plunkett, G.M.**, P.P. Lowry II, and N.V. Vu. 2004. Paraphyly, polyphyly, and geography in *Polyscias* sensu lato (Araliaceae): examples from the Indian Ocean Basin clade. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, UT.
- Chandler, G.T., **G.M. Plunkett**, and S.M. Pinney. 2004. A beginners guide to Pittosporaceae: a first molecular phylogeny. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, UT.
- Tronchet, F., **G.M. Plunkett**, J. Jérémie, and P.P. Lowry. 2004. Phylogeny of *Meryta* (Araliaceae) based on nuclear ribosomal ITS and ETS sequence data. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, UT.
- Wen, J., C. Lee, **G.M. Plunkett**, and P.P. Lowry II. 2004. Evolution of Araliaceae in Asia: inference from the ITS, *ndhF*, *trnL-F*, and morphological data. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Snowbird, UT.
- Lowry, P.P. II, **G.M. Plunkett**, and J. Wen. 2003. Araliaceae in Africa and Madagascar: major taxonomic changes resulting from recent phylogenetic studies." AETFAT Congress (= Association for the Taxonomic Study of the Tropical African Flora), Addis Ababa, Ethiopia.
- Chandler, G.T., and **G.M. Plunkett**. 2003. The phylogenetic placement and evolutionary significance of the polyphyletic subfamily Hydrocotyloideae (Apiaceae). National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Mobile, AL.
- Yi, T., P.P. Lowry II, **G.M. Plunkett**, and J. Wen. 2003. Chromosomal evolution in the Araliaceae. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Mobile, AL.

- Sprengle, T.S., G.M. Plunkett, and P.P. Lowry II. 2003. Molecular systematics of tribe Myodocarpeae (Araliaceae s.l.). National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Mobile, AL.
- Plunkett, G.M., J. Wen, and P.P. Lowry II. 2003. Phylogeny of Araliaceae, Part I: Broad Patterns of Intrafamilial Relationships. International Apiales Symposium, Pretoria, South Africa.
- Lowry II, P.P., J. Wen, and G.M. Plunkett. 2003. Phylogeny of Araliaceae, Part II: Inter- and Intrageneric Relationships. International Apiales Symposium, Pretoria, South Africa.
- Plunkett, G.M., G.T. Chandler, and S.M. Pinney. 2003. Apiales around the Edges: Relationships in and among the “Fringe Families.” International Apiales Symposium, Pretoria, South Africa.
- Plunkett, G.M., P.P. Lowry, D.G. Frodin. 2002. Molecular data suggest that *Schefflera* (Araliaceae) is polyphyletic: morphological, biogeographic, and taxonomic implications. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Madison, WI.
- Chandler, G.T., and G.M. Plunkett. 2002. Recent advances in the resolution of intra-ordinal affinities in the Apiales: evidence from 26S rDNA. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Madison, WI.
- Reid, J.D., G.M. Plunkett, and G.A. Peters. 2002. Systematics of the genus *Azolla* (Azollaceae). National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Madison, WI.
- Plunkett, G.M., P.P. Lowry II, and J.M. Eibl. 2001. Evolution and Speciation in New Caledonian Araliaceae. National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Albuquerque, N.M.
- Vu, N.V., G.M. Plunkett, and P.P. Lowry II. 2001. Phylogenetic study of Madagascan *Polyscias* and close relatives in the Ginseng family (Araliaceae). National Meetings of the Botanical Society of America & the American Society of Plant Taxonomists, Albuquerque, N.M.
- Vu, N.V., G.M. Plunkett, and P.P. Lowry II. 2001. Molecular data are consistent with geographic distribution but not with morphological treatment of Malagasy *Polyscias* and related genera (Araliaceae, ginseng). National meetings of the American Institute of Biological Sciences, Washington, DC.
- Plunkett, G.M., P.P. Lowry, J.M. Eibl, and N.V. Vu. 2000. The phylogenetic status of *Schefflera* and *Polyscias*: the non-monophyly of the two largest genera in Araliaceae. *Amer. J. Bot.* 87 (6). Botanical Society of America/American Society of Plant Taxonomists meetings (August 2000), Portland, Oregon.
- Plunkett, G.M., A.A. Oskolski (presenter), and P.P. Lowry. 2000. Relationships of *Polyscias* (Araliaceae): Insights from Molecular and Comparative Wood-Anatomical Data. Symposium on Plant Systematics and Evolution, Moscow, Russia.
- Plunkett, G.M. 1999. The relationship of the order Apiales to subclass Asteridae: a re-evaluation of morphological characters based on insights from molecular data. XVI International Botanical Congress, St. Louis, MO.
- Downie, S.R., G.M. Plunkett, M.F. Watson, D.S. Katz-Downie, K. Spalik, and B. Lee. 1999. Major clade delimitation within Apiaceae subfamily Apioideae. XVI International Botanical Congress, St. Louis, MO.
- P.P. Lowry, G.M. Plunkett, and A.A. Oskolski. 1999. Evolution of early lineages in Araliales: insights from morphology, wood anatomy and molecular data. XVI International Botanical Congress, St. Louis, MO.
- Schlesman, M.A., G.M. Plunkett, P.P. Lowry, and D.G. Lloyd. 1999. Sexual systems of New Caledonian Araliaceae: A preliminary phylogenetic reappraisal. XVI International Botanical Congress, St. Louis, MO.
- Plunkett, G.M. 1998. Endemic araliid genera from New Caledonia and their implications for phylogeny and taxonomy in Araliales (Apiaceae and Araliaceae). *Amer. J. Bot.* 85 (6): 151. AIBS/Botanical Society Meetings (1998), Baltimore, Maryland.
- Plunkett, G.M., and S. R. Downie. 1997. Phylogeny of Apioideae (Apiaceae): a comparison of chloroplast restriction site data to DNA sequence data. Evolution Meetings, Boulder.
- Plunkett, G.M., and D.E. Soltis. 1996. Evolutionary and geographic patterns in the family pair Apiaceae-Araliaceae based on *matK* and *rbcL* sequence data. *American Journal of Botany* 83 (6): 186. AIBS Meetings/Botanical Society, Seattle.
- Downie, S. R., G.M. Plunkett, S. Ramanath, D. S. Katz-Downie, D. E. Soltis, and P. S. Soltis. 1996. Relationships in Apiaceae subfamily Apioideae as inferred by phylogenetic analyses of chloroplast and nuclear DNA sequences. *American Journal of Botany* 83 (6): 153. AIBS/Botanical Society Meetings, Seattle.
- Plunkett, G.M., P.S. Soltis, D.E. Soltis, and D.R. Morgan. 1995. Phylogeny, geography, and radiation of Proteaceae. Molecular Evolution and Adaptive Radiation Symposium, Evolution/Systematic Biology Meetings, Montreal.
- Plunkett, G.M., D.E. Soltis, P.S. Soltis, and R. Brooks. 1993. Phylogenetic relationships between Juncaceae and Cyperaceae based on *rbcL* sequence data. *American Journal of Botany* 80(6): 170. AIBS/Botanical Society Meetings, Ames.
- Plunkett, G.M., D.E. Soltis, P.S. Soltis. 1994. Phylogenetic relationships within and between Araliaceae and Apiaceae based on *rbcL* and *matK* sequence data. *American Journal of Botany* 81(6): 180. AIBS/Botanical Society Meetings, Knoxville.
- Plunkett, G.M., D.E. Soltis, and P.S. Soltis. 1992. Molecular phylogenetic study of Apiales (Apiaceae, Araliaceae, and Pittosporaceae). *American Journal of Botany* 79(6): 158. AIBS/Botanical Society Meetings, Honolulu.
- Plunkett, G.M., S.J. Novak, P.S. Soltis, and D.E. Soltis. 1991. Molecular evidence of multiple origins in the allotetraploids *Tragopogon miscellus* and *T. mirus* (Asteraceae). *Amer. J. Bot.* 78(6): 210. AIBS/Botanical Society Meetings, San Antonio.

#### RESEARCH GRANTS AWARDED:

2022–2024: *Fonds Pacifique* [€65,000 (=US\$70,000)] “Traditional medicine used for children in French Polynesia, New Caledonia and Vanuatu”, Co-PI/participant (with François

- Chassagne as PI).
- 2021–2023: **Marisla Foundation** [\$80,000] “Plants and People of Vanuatu”, Co-PI (with Michael Balick as PI).
- 2020–2023: **Franklinia Foundation** [\$253,280]. “Conserving Vanuatu’s Only Known Critically Endangered Tree Species, with a Roadmap to Conserving Vanuatu’s Poorly Understood Tree Flora”, PI (with Michael Balick as co-PI).
- 2020–2023: **Velux-Stiftung Daylight Academy** [\$216,722] “Daylight, Culture and Plants in Two Pacific Island Societies, Co-PI (with Michael Balick as PI).
- 2019–2021: **Marisla Foundation** [\$80,000] “Plants and People of Vanuatu”, Co-PI (with Michael Balick as PI).
- 2016–2023: **National Science Foundation** (DEB–Systematics Program) [\$965,698 (\$473,923 to NYBG)]. “Evolution and Systematics of the Neotropical Clade of *Schefflera* (Araliaceae)”. PI (with collaborative-PI, Pete Lowry, Missouri Botanical Garden).
- 2016–2022: **National Science Foundation** (DEB–Systematics Program) [\$1,294,759 (\$676,426 to NYBG)]. “Plant and Fungal Diversity of Tafea Province, Vanuatu, a Threatened Pacific Hotspot”. Senior Personnel.
- 2016–2021: **U.S. Department of Agriculture** [\$80,000]. “Characterization of Patterns of Genetic Diversity in North American Ashes (*Fraxinus* spp.)”. PI.
- 2018–2022: **National Geographic Society** [\$25,000]. “Exploration and discovery of *Schefflera* (Araliaceae) in the endangered and biodiverse Tropical Andes and adjacent lowlands in Colombia. Co-PI.
- 2018–2020: **Manton Foundation** [\$200,000]. “Saving the American Ash”. Co-PI.
- 2018–2019: **National Geographic Society** [\$25,000]. “Exploration and discovery of *Schefflera* (Araliaceae) in the endangered and biodiverse Tropical Andes and adjacent lowlands in Colombia. Co-PI.
- 2017–2019: **The Christensen Fund** [\$100,000]. “Plants and People of Tafea Province, Vanuatu.” Co-PI.
- 2017–2019: **Marisla Foundation** [\$80,000]. “*Biodiversity and Human Health in Micronesia*”. Co-PI.
- 2016–2019: **U.S. Department of Agriculture** [\$80,000]. “Characterization of Patterns of Genetic Diversity in North American Ashes (*Fraxinus* spp.)”. PI.
- 2016–2017: **Sarah K. de Coizart Charitable Trust** [\$150,000]. “Strategy for Conserving Ash Trees in the Northeast: Collection, Analysis, and Outreach”. Co-PI.
- 2015–2016: **National Geographic Society** [\$22,310] “Effects and recovery of the forest vegetation of Vanuatu after Cyclone Pam.” PI.
- 2015–2016: **Critical Ecosystems Partnership Fund** [\$69,258] “Biodiversity in Vanuatu: Building Conservation Infrastructure” (Supplemental Award). PI.
- 2014–2016: **The Christensen Fund** [\$120,000]. “Biocultural Diversity and Human Health in Vanuatu—Phase 2.” Co-PI.
- 2014–2016: **Critical Ecosystems Partnership Fund** [\$80,000]. “Plants and People: Baseline Floristic and Ethnobotanical Surveys in Tafea Province, Vanuatu.” Collaborative PI.
- 2012–2014: **The Christensen Fund** [\$80,000]. “Biocultural Diversity and Human Health in Vanuatu.” Co-PI.
- 2011–2014: **National Science Foundation** (DEB–Systematics Program) [\$441,978]. “Taxonomic revision and phylogenetic analysis of continental African angraecoid Orchidaceae.” Co-PI.
- 2011–2014: **National Research Foundation of South Africa** [ZAR 322,148 (=US\$ 46,543)]. “Southern African Anthemdieae (Asteraceae).” Co-PI.
- 2010–2013: **National Science Foundation** (DEB–Systematics Program) [\$407,893]. “Evolution and Diversification in Apiaceae subfamily Azorelloideae.” PI.
- 2010–2013: **Alfred P. Sloan Foundation** [\$800,000]. “Protecting Biodiversity Through Training In DNA Barcoding”. Co-PI.

- 2006–2011: **National Science Foundation** (DEB–Systematics Program) [\$400,000]. “Tackling *Schefflera*: Initiating the Re-circumscription of the Largest Genus in Araliaceae.” PI (with collaborative-PI, Pete Lowry, Missouri Botanical Garden).
- 2008–2010: **National Geographic Society, Committee for Research and Exploration** [\$24,293]. “Dismantling the Bridge between Apiaceae and Araliaceae — Biogeography and Phylogeny of South American Hydrocotyloids.” PI.
- 2004–2007: **Thomas F. and Kate Miller Jeffress Memorial Trust** [\$39,219]. “Evolutionary Patterns in the *Plerandra* group of *Schefflera* (Araliaceae).” PI.
- 2003–2005: **National Geographic Society, Committee for Research and Exploration** [\$20,330]. “Biogeographic and Systematic Relationships of Australasian Araliaceae.” PI.
- 2000–2004: **National Science Foundation** (DEB–Systematics Program) [\$200,000]. “Phylogeny and Diversification of Araliales.” PI.
- 1999–2002: **Thomas F. and Kate Miller Jeffress Memorial Trust** [\$51,496]. “Interpreting Biogeographic Patterns in Araliaceae.” PI.
- 1996–1997: **National Geographic Society, Committee for Research and Exploration** [\$23, 110]. PI. “Phytogeographic and Evolutionary Relationships among Ancestral Lineages of Apiales.”
- 1996–1997: **Faculty Grant-in-Aid**, Virginia Commonwealth University [\$5,000]. “Molecular-Phylogenetic Study of Basal Lineages in Apiales.” PI.
- 1992–1994: **National Science Foundation** Doctoral Dissertation Grant [\$9,052]. “Molecular Phylogenetics of Apiales.” PI.

#### HONORARY AWARDS:

- Inductee, Explorers Club 50** (“Fifty People Changing the World Who the World Needs to Know About”), Class of 2022. [Link](#).
- Academician**, Catholic Academy of Sciences in the USA.
- Excellence in Scholarship Award**, College of Humanities & Sciences, Virginia Commonwealth University. 2003.
- Phi Kappa Phi**, elected as faculty recipient for excellence in scholarship. 2002.

#### PROJECT ORGANIZER:

- Families and Genera of Vascular Plants: Four Families in the order Apiales**  
Principle organizer for multi-authored family and generic treatments for 4 families: Apiaceae, Araliaceae, Myodocarpaceae, and Torricelliaceae.

#### INTERNATIONAL SYMPOSIA:

- Symposium Co-organizer, and Presenter:** “*Sistemática de Apiales*” A symposium presented at the *XIIIth Congreso Latinoamericano de Botánica*. Quito, Ecuador. October 25, 2019.
- Member of the Scientific Committee and Keynote Speaker:** “*Apiales VIII: The Eighth International Symposium on Apiales*.” Istanbul, Turkey. August 1–3, 2014.
- Symposium Vice-Chairman:** “*Apiales VI: The Sixth International Symposium on Apiales*.” Moscow, Russia. June 24–27, 2008.
- Symposium Co-organizer:** “*Apiales V: The Fifth International Symposium on Apiales*.” Vienna, Austria. July 24–26, 2005.
- Symposium Principal-Organizer, and Proceedings Co-Editor:** “*Evolution, biogeography, and systematics of Apiales (Araliaceae and Apiaceae)* [Apiales III].” A General Symposium presented at the XVI International Botanical Congress (St. Louis, 1999).  
The proceedings of this symposium were published together in an issue of the *Edinburgh Journal of Botany* (Volume 58, No. 2, 2001).
- Presenter** in the “*Phylogeny and systematics of the Asteridae*” Symposium, XVI International Botanical Congress, St. Louis, 1999. *Please note:* This symposium was independent of the one described above.
- Presenter** (2 papers) at “*Apiales Symposium IV*,” Pretoria, South Africa, January 2003.

#### INVITED SEMINARS:

Vanuatu Ministry of Agriculture, Livestock, Forestry, Fisheries and Biosecurity. Sept. 2022.  
Vanuatu National Museum. July 20, 2021.  
Vanuatu Institute of Technology. June 29, 2021.  
Manhattan College, Department of Biology. February 2018.  
Vanuatu Environmental Science Society, Port-Vila, Vanuatu. July 20, 2017.  
Universidad Nacional Mayor de San Marcos, Lima, Peru. October 27, 2016.  
Vanuatu Environmental Science Society, Port-Vila, Vanuatu. November 24, 2016.  
Manhattan College, Department of Biology. January 2015.  
University of Missouri–Saint Louis, Department of Biology. September 2014.  
University of Memphis, Department of Biology. March 2011.  
Western Michigan University, Department of Biology. November 2010.  
Université de la Réunion, Sainte-Clotilde, La Réunion (French Overseas Department). October 2010.  
University of the South Pacific (Fiji), Institute of Applied Sciences. May 2008.  
New York Botanical Garden. February 2008.  
Universidade de São Paulo (Brazil), Departamento de Botânico. August 2007.  
Bishop Museum, Department of Natural Sciences. May 2007.  
Virginia Commonwealth University, Department of Biology. Sept. 2004.  
Smithsonian Institution, National Museum of Natural History, Dept. of Botany. June 2004.  
Missouri Botanical Garden. August 2003.  
North Carolina State University. April 2002.  
George Washington University, Department of Biological Sciences. Oct. 2001.  
University of Richmond, Department of Biology. Oct. 2001.  
Boise State University, Department of Biology. May, 2001.  
University of Kansas, Dept. Ecology & Evolutionary Biol./Natural Hist. Museum. Dec. 1999.  
Vassar College, Department of Biology. March 1999.  
University of Alberta, Department of Biological Sciences. March 1996.  
University of Alaska Fairbanks, Institute of Arctic Biology. March 1995.  
Virginia Commonwealth University, Department of Biology. Feb. 1995.  
Kent State University, Department of Biological Sciences. Feb. 1995.  
Northeast Missouri State University, Division of Science. Feb. 1995.

#### CONTRACT RESEARCH:

2002–2004: *Natural Resources Survey*, U.S. Army, Fort Lee. [\$3,000]  
(Consulting botanist for a floristic survey as part of a team of naturalists.)  
1997–1998: *Natural Resources Survey*, U.S. Army, Defense Supply Center. [\$4,225]  
(Completed a floristic survey of the facility as part of a team of naturalists.)

#### SERVICE:

##### SCHOLARLY SERVICE:

- **Editor-in-Chief, *Brittonia*** (3-year term, commencing July 2022).
- **Coordinator, DNA Bank**, New York Botanical Garden, 2018–2023.
- **ASPT Systematic Collections Committee**, Member (2020), Chairman (2020–2022),  
American Society of Plant Taxonomists.
- **ASPT Council, Member-at-Large**, American Society of Plant Taxonomists (2011–2014).
- **BSA Committee on Committees**, Member, Botanical Society of America (2011–2013).
- **Associate Editor** (2 terms), *Systematic Botany* (2001–2009).
- **Manuscript Reviewer** (excluding reviews as Associate Editor for *Systematic Botany*): 124 MSS

**Commented [GP1]:** (updated 7/24/19: Lowry-Novon-Melanophylla)

*Adansonia* [1 ms.]; *Advances in Legume Systematics* [1 ms.]; *American Journal of Botany* [10 mss.]; *Annales Botanici Fennici* [3 mss.]; *Annals of Botany* [1 ms.]; *Annals of the Missouri Botanical Garden* [4 mss.]; *Australian Journal of Botany* [1 ms.]; *Australian Systematic Botany* [4 mss.]; *Botanical Journal of the Linnean Society* [4 mss.]; *Botanische Jahrbücher* [2 mss.]; *Brittonia* [6 mss.]; *Bulletin of the Torrey Botanical Club* [3 mss.]; *Botany/Canadian Journal of Botany* [4 mss.]; *Cladistics* [1 ms.]; *Contributions from the United States National Herbarium* [1 ms.]; *Economic Botany* [1 ms.]; *Edinburgh Journal of Botany* [4 mss.]; *Evolution* [1 ms.]; *Fieldiana* [1 ms.]; *Flora of Maine Project* [1 ms.]; *International Journal of Plant Sciences* [4 mss.]; *Journal of Biogeography* [1 ms.]; *Journal of the Botanical Research Inst. of Texas/Sida* [4 mss.]; *Madroño* [1 ms.]; *Journal of Systematics and Evolution* [1 ms.]; *Molecular Phylogenetics and Evolution* [10 mss.]; *New Zealand Journal of Botany* [3 mss.]; *Novon* [3 mss.]; *Nuytsia* [1 ms.]; *Phytotaxa* [1 ms.]; *Plant Species Biology* [1 ms.]; *Plant Systematics and Evolution* [5 mss.]; *Rhodora* [1 ms.]; *South African Journal of Botany* [2 ms.]; *Systematic Biology* [1 ms.]; *Systematic Botany* [17 mss.]; *Taxon* [12 mss.].

• **Research Grant Reviews:**

*Panel Member:*

National Science Foundation, DEB–Systematics and Biodiversity Inventories, Oct. 2007  
National Science Foundation, DEB–Systematic Biology, April 2001

*Ad Hoc Reviews:*

National Science Foundation (1997–2022). [27 reviews]  
Australian Academy of Science (2007). [1 review]  
Jeffress Memorial Trust Research Grant (2002–2006). [3 reviews]  
National Research Foundation of South Africa (2004). [2 reviews]  
Australian Biological Resources Study Research Grant (2002). [1 review]  
Foundation for Research and Development of South Africa (1998). [1 review]  
National Geographic Society (1997, 2011, 2013). [3 reviews]  
German-Israeli Foundation (2013). [1 review]

• **Advisory Boards**

University of Malaysia-Sarawak (UNIMAS), External Advisory Panel to review the Curriculum for the Plant Resource Science and Management degree program. 2014.  
*Flora of Virginia* Project, Advisory Board. 2002-2012.  
Lewis Ginter Botanical Garden, Education Committee (Academic Subcom.) 2000-2008.

• **Outside Reviewer for tenure, promotion, or research:**

Dr. Anthony R. Magee, South African National Biodiversity Institute (2019)  
Dr. Mark E. Mort, University of Kansas, Lawrence (2018)  
Dr. Ben-Erik van Wyk, University of Johannesburg, South Africa (2013)  
Dr. Andrea Weeks, George Mason University, Fairfax (2010)  
Dr. Timothy J. Motley, Old Dominion University, Norfolk (2010)  
Dr. Leigh Johnson, Brigham Young University, Provo (2009)  
Dr. Ben-Erik van Wyk, Univ. of Johannesburg, South Africa (2009)  
Dr. Patricia Tilney, Univ. of Johannesburg, South Africa (2009)  
Dr. Murray Henwood, University of Sydney, NSW, Australia (2009)  
Dr. Jun Wen, Field Museum of Natural History, Chicago (2004)  
Dr. Ben-Erik van Wyk, Rand Afrikaans Univ., Johannesburg, South Africa (2004)  
Dr. Patricia Tilney, Rand Afrikaans Univ., Johannesburg, South Africa (2004)  
Dr. Murray Henwood, University of Sydney, NSW, Australia (1999)

• **Outside Examiner for Ph.D. Degrees** [6 total examinations]:

Anthony R. Magee      University of Johannesburg, South Africa (2009)  
Mei (Rebecca) Liu      Rand Afrikaans Univ., Johannesburg, South Africa (2004)  
Annemarie Costello:    New York Univ. & NY Botanical Garden (2000-02)



Mahalia Schubert: Rand Afrikaans Univ., Johannesburg, South Africa (2001)  
Lindy Cayzer: Australian National Univ., Canberra, Australia (1998)  
Jennifer Hart: University of Sydney, NSW, Australia (1998)

**UNIVERSITY SERVICE:**

• **University- and College-level service:**

Doctoral-Faculty Review Committee, CUNY Graduate Center. 2017, 2018.  
Third-year Review Committee, *Chairman* (T. Dawson-Cruz), Dept. of Forensic Science. 2006.  
Graduate Program in Integrative Life Sciences, Committee. 2005-present.  
Molecular Biology & Genetics Program, Membership Committee. 2003-present.  
University Grievance Panel. 2004-2007.  
College of Humanities & Sciences, Review Panel, Faculty Grant-in-Aid. 2001.  
College of H & S, Panel Member, New Faculty Mentoring Program. 2000.  
College of H & S, Faculty Development Advisory Committee. 1999.  
University Faculty Council (Untenured Faculty Representative). 1997-8.  
College of H & S, Undergraduate Advisory Committee. 1997.  
College of H & S, Selection Committee for College Awards. 1998.  
College of H & S, Committee on University Award Nominations. 1998.  
University Open House for New Students (Biology Dept. Rep.). 1997.  
Grade Dispute Review Committee. 1997.

• **Department-level service:**

Promotion Review Committee, *Chairman* (J. Reid). 2008.  
Third-year Review Committee, *Chairman* (G. Mayer). 2008.  
Third-year Review Committee, *Chairman* (R. Dyer). 2007.  
*Ad Hoc* Committee on Undergraduate Advising. 2006.  
Search Committee, *Chairman*, Plant-development faculty position. 2005.  
Departmental Seminar Series, Organizer. Spring, 2005.  
Search Committee, Population-genetics faculty position. 2004.  
Promotion and Tenure Committee, *Chairman* (C. Turbeville). 2003.  
Promotion Committee (L. Blem). 2002.  
Graduate Affairs Committee. 1999-present.  
Undergraduate Curriculum Committee, *member*, then *Chairman*. 1996-9.  
Greenhouse Committee, *Chairman*. 1996-2007.  
Faculty Advisor, Graduate Organization of Biology Students. 1997-2002.  
Faculty Advisor, (Undergraduate) Biology Club. 1998-9.  
Re-organized VCU Herbarium for use in departmental research & teaching. 1998.  
“Web-master” for Department of Biology's Internet Homepages. 1997-1998.  
Search Committee, Faculty Position in Botany Dept. (Washington St. Univ). 1993.

**TEACHING:**

**CLASSROOM INSTRUCTION AND COURSE DEVELOPMENT:**

- BIOL 79303 — Plant Molecular Systematics, CUNY Graduate Center**  
2 semesters; 6–8 students per semester; 3 contact hours.
- BI 401 — Systematics (Graduate level), University of the South Pacific**  
1 semester; 7 students, 2 contact hours.
- BIOL 151 — Introduction to Biological Science I, Virginia Commonwealth Univ. (VCU)**  
11 semesters; 75–275 students per semester; 3 contact hours.
- BIOZ 151 — Introduction to Biology Laboratory, VCU**

- 5 semesters leading weekly preparations meetings with TAs
- BIOL 391 — Economic Botany, VCU**  
3 semesters; 38-42 students, 3 contact hours.
- BIOL 410 — Systematic Botany (Lecture & Laboratory), VCU**  
4 semesters; 5-14 students; 7 contact hours.
- BIOL 491 — Biological & Cultural Diversity of Borneo (November 2007 – January 2008), VCU**  
1 winter intersession semester; 3 students.
- BIOL 512 — Plant Diversity & Evolution (Lecture & Laboratory), VCU**  
3 semesters; 7-15 students; 6-7 contact hours.
- BIOL 691 — Evolution & Molecular Markers, VCU**  
2 semesters; 7-14 students, 3-4 contact hours.
- BIOL 692 — Graduate Seminar: Molecular Markers in Systematics, VCU**  
1 semester; 4 students, 1 contact hour.
- BIOL 692 — Graduate Seminar: Phylogenetic Analysis, VCU**  
1 semester; 7 students, 1 contact hour.
- LFSC 591 — Botany Workshop for Teachers, VCU**  
3 summer semesters; 5-17 students.

**Other Course Involvement:**

- BIOL 502—Economic Botany (Lehman College, Bronx, NY): guest lecturer (twice). Fall 2014.
- BIOL 300—Biotechniques/Experimental Methods: developed three lab topics and corresponding lectures. Fall and Spring semesters, 1997–2008.
- INSC 301—Integrated Math and Science, Fall 2003
- BIOL 522—Evolution & Speciation: guest lecturer, Fall 1998, 1999, 2003, 2005.
- BIOL 111—Honors Biology: guest lecturer, Fall 1998

**STUDENT MENTORING:**

**NYBG Graduate Thesis Advisor [2 Ph.D. students]:**

- Simon Verlynd (Ph.D. candidate), to graduate May 2022.
- Carlos Rodrigues Vaz (Ph.D.), graduated December 2019.

**VCU Graduate Thesis Advisor [2 Ph.D. students, 8 M.S. students]:**

- Pedro Fiaschi (Ph.D.), graduated December 2009.
- Antoine Nicolas (Ph.D.), graduated May 2009.
- Morgan Gostel (M.S.), graduated August 2010.
- Manish Patel (M.S.), graduated December 2008.
- Taylor S. Sprenkle (M.S.), graduated December 2002.
- Stephen Pinney (M.S.), graduated December 2002.
- Gary M. Jones (M.S.), graduated May 2002.
- Ninh V. Vu (M.S.), graduated August 2001.
- Jill D. Reid (M.S.), graduated December 2001.
- Jonathan M. Eibl (M.S.), graduated, August 2000.

**Other Pre-doctoral Trainees:**

- Cíntia Luiza da Silva (Doctoral student, Universidade de São Paulo), 2015-2016.
- Marcelo Devecchi (Doctoral student, Universidade de São Paulo), 2015-2016.
- Simon Verlynd (Muséum National d'Histoire Naturelle, Paris), 2015.
- Murielle Simo (Université de Yaoundé I, Cameroon), 2012.
- Bader Kezzim (Université Pierre-et-Marie-Curie, Paris VI), 2013
- Cédric Soutif (Université de la Réunion, DOM, France), 2011.
- Maël Robert (Université de la Réunion, DOM, France), 2011.
- Bernard De Villiers (University of Johannesburg, South Africa), 2009-2010.
- Frédéric Tronchet (Muséum National d'Histoire Naturelle, Paris), 2002-2005.

**Post-doctoral Advisees:**

Marcela Mora (co-advisor), 2017–2019.  
Anabela Plos, 2015.  
Mary Ann E. Feist, 2012–2013.  
Antoine N. Nicolas, 2011–2013.  
Gregory T. Chandler, 2001–2003.

**Graduate Thesis Committees [25 M.S. students, 8 Ph.D. students]:** Ashley McGuigan (Ph.D., University of Hawaii) in progress; Marcello Reginato (Ph.D., NYBG; August 2014); Xavier Aubriot (Ph.D., Muséum National d’Histoire Naturelle, Paris, Dec. 2013); Aida Shafreena Ahmad Puad (Ph.D., Western Michigan Univ., May 2012); Ryan Woodcock (Ph.D., May 2010), Stephen Baker (M.S., May 2009), Vicki Gardiakos (M.S., December 2008), Cora Runnels (M.S., December 2008), Jaclyn Vick (M.S., May 2007), Alexander Tulchinski, (M.S., Dec. 2006), Brian Walker (Ph.D., Chemistry, May 2006), Jay Pierotti (Ph.D., Chemistry, May 2005), Deborah Thiem (Ph.D., Chemistry, May 2004), Sloan Ayers (Ph.D., Chemistry, May 2003), Antoine N. Nicholas (M.S., May 2003), David Taylor (M.S., May 2003), Jessica White (M.S., May 2003), Peter Clarke (M.S., May 2003), Katherine Jensen (M.S., May 2003), William Brooks (M.S., May 2003), Leslie Newman (M.S., May 2003), Katherine Tran (M.S., May 2003), Ann Meyer (M.S., Psychology, May 2001), Maria Mood (M.S., May 2001), Christine Craig (M.S., May 2001), Gregory Nishanian (M.S., December 1999), Aaron Quinn (M.S., December 1998), Dorothy Field (M.S., December 1998), Karen Neal (M.S., December 1998), Charlene Couch (M.S., August 1998), Dean Franklin (M.S., August 1998), Harland Patch (M.S., August 1998), Hugh Sullivan (M.S., August 1998), William Dietrich (M.S., August 1998).

**NYBG Student Interns [64 students]:**

**Vanuatu Program Interns (14 students)**

Charlie Bride Paul (undergraduate at the Vanuatu Agricultural College) 2021–2022; James Ure (undergraduate at the University of the South Pacific) 2020–2022; Kelly Whitaker (undergraduate at the University of Hawaii) 2019; Andrew Namre (secondary-school student at Tafea College, Tanna) 2019; Rose Feimaga (secondary-school student at Lycée de Montmartre, Port-Vila) 2019; Martial Wahe (student intern at the Vanuatu Department of Forestry) 2017–2019; Jonathan Del Rosario (M.S. student, California State University) 2017–2019; Andre Boraks (Ph.D. student, University of Hawaii) 2017–2019; Elisha Tekak (student intern at the Vanuatu Department of Forestry) 2018–2019; Tamata Tui (student intern at the Vanuatu Department of Forestry) 2018; Kimson Perie (undergraduate at the University of the South Pacific) 2016–2017; Stephanie Sali (student intern at the Vanuatu Department of Forestry) 2016–2019; Thomas Doro (undergraduate at the University of the South Pacific) 2015–2022; Frazer Alo (undergraduate at the University of the South Pacific) 2014–2021.

**Ecuador Program Interns (28 students)**

Layman Ball (Louisiana State University) 2019; Robert Comito (Claremont Graduate University) 2019; Harpo Faust (University of Idaho) 2019; Kayla Sweeten (San Francisco State University) 2019; Alejandro Calderon (Universidad ICESI, Cali, Colombia) 2019; Diana Garcia (Universidad de Antioquia, Medellín, Colombia) 2019; Alexandra Crum (University of Minnesota) 2019; Roxana Ledezma (Universidad Autónoma Gabriel René Moreno, Santa Cruz, Bolivia) 2019; Enrique Gianlucca Monteverde (Universidad Agraria La Molina, Lima, Peru) 2019; Alejandra Salomé Solorzano (Universidad Central del Ecuador, Quito) 2019; Elizabeth McMurchie (George Mason University) 2018; Justin Williams (University of Colorado) 2018; Morgan Stickrod (San Francisco State University) 2018; Sophia Winitsky (Claremont Graduate University) 2018; Tyler Hughes (Pennsylvania State University) 2018; Daniela Pasquel (Universidad Yachay Tech) 2018; Gabriela Aguilar (Universidad del Azuay) 2018; Sebastián Riva (Universidad Nacional Mayor de San Marcos) 2018; Soledad Rivera (Universidad Nacional Mayor de San Marcos) 2018; Alex Rosillo (Universidad Estatal Amazónica) 2018; Maryam Sedaghatpour (George Mason University) 2018; Brock Mashburn (University of Missouri, St Louis) 2018; Eva Colberg (University of Missouri, St Louis) 2018; Diana Flores (Universidad Central del Ecuador-Sede Galápagos) 2018; Zacky Ezedin (University of

Minnesota) 2018; Henry Garzon (Universidad del Azuay) 2018; Paola Peña (Universidad Central del Ecuador) 2018; Ricardo Zambrano (Pontificia Universidad Católica del Ecuador) 2018;

**Bronx Interns (22 students)**

Elijah Blum (Plainview-Old Bethpage High School) 2019–2020; Calvin Heiman (Columbia University) 2019–2020; Wesley Agee (Harris-Stowe State University) 2017; Jing Vir Leong (City College of New York) 2017; Sarah Meenan (City College of New York) 2017; An Thai Nguyen (Bennington College) 2017; Jennifer Novak (Vassar College); 2017; Kelsey Parker (Pace University); 2017; Ansel Oommen (Post-baccalaureate & research tech at Columbia Univ.) 2016-2018; Sara Alaica (Columbia University) 2016-2018; Madeleine Woods (Harvard University) 2018; Josephine Tempesta (Universidad Autónoma de Querétaro) 2018; Sandra Bruening (Post-graduate) 2015-2106; Margaret Cooney (Manhattan College) 2014; Sean Thackurdeen (post-baccalaureate student from Swarthmore College) 2013-2014; Fernanda Cabañas Gac (post-baccalaureate student from Santiago, Chile) 2014; Hannah Saunders (New York Univ.) 2013; Molly Edwards (Cornell Univ.) 2010-2011; David Kaiser (Cornell Univ.) 2009; Taylor Lane (Trinity H.S.) 2009.

**VCU Undergraduate Student Researchers [14 VCU students]:** Karen Gau; Kathryn Rubis; Morgan Gostel; Charles Santos; Afua Ossei-Agyeman-Yeboah; Casey Seelig; Brenna Preston; Tam Vu; David Busselberg; Paola Moncada; Maria Kunk; Jason Noel; Samuel Nokuri; Michele K. Burke.

**FIELD EXPERIENCE:**

**North America:**

U.S.A. (esp. Virginia, Pacific Northwest, Northeast, Southwest, and Puerto Rico).  
México (Oaxaca, Guerrero, Puebla, Morelos, and México states).  
Panamá (Chiriquí Province).  
Costa Rica (San José Province).

**South America:**

Argentina (Provinces of Jujuy, Salta, Tucumán, La Rioja, San Juan, Mendoza, Neuquén, Río Negro, and Chubut).  
Bolivia (Department of La Paz).  
Brazil (Amazonas state).  
Chile (Regions of XV-Arica-y-Parinacota, I-Tarapacá, II-Antofagasta, III-Atacama, IV-Coquimbo, V-Valparaiso, RM-Metropolitana de Santiago, IX-La Araucanía, XIV-Los Rios, and XII-Magallanes).  
Colombia (Departments of Antioquia, Boyacá, Caldas, Cundinamarca, and Tolima).  
Ecuador (Provinces of Azuay, Cotopaxi, Loja, Los Ríos, Napo, Pichincha, Tungurahua, Pastaza, Morona Santiago, Santo Domingo de los Tsáchilas, Zamora Chinchipe).  
Peru (Regions of Amazonas, Ancash, Apurímac, Arequipa, Ayacucho, Cajamarca, Cusco, Ica, Huancavelica, Huánuco, Junín, La Libertad, Lima, Moquegua, Pasco, Piura, Puno, & Tacna).  
Venezuela (Bolívar state).

**Oceania:**

Australia (Far North Queensland, New South Wales, & ACT).  
New Zealand (North Island, South Island, Stewart Island)  
New Caledonia (French Overseas Territory in South Pacific).  
Fiji Islands (Viti Levu, Vanua Levu, Taveuni, Koro Is., Nananu-i-Ra, Nananu-i-Cake).  
Vanuatu (Aneityum, Efaté, Erromango, Espiritu Santo, Futuna, Pentecost, Tanna, Vanua Lava).  
Solomon Islands (Guadalcanal, Ghizo, and Kolombangara islands).  
Samoa (Upolu and Savai'i).  
Palau (Babeldoab, Koror, and Peleliu).  
Hawai'i (Kaua'i and Oahu).

**Asia:**

Malaysian Borneo (Sarawak state).

China (Yunnan Province).

Viet Nam (Ha Giang, Lao Cai, Tuyen Quang, Vinh Phuc, Thai Nguyen, and Lai Chau provinces).

Turkey.

***Africa & the Indian Ocean:***

La Réunion (French Overseas Department in Indian Ocean).

Madagascar

Mauritius (Indian Ocean).

Seychelles Islands (Indian Ocean).

South Africa (Western Cape, Eastern Cape, Northwest, and Kwazulu Natal provinces).

***Europe:***

France (Alsace, Alps, Provence).

Russian Federation (Caucasus region of southwestern Russia).