
CURRICULUM VITAE

Verónica S. Di Stilio, distilio@u.washington.edu
<https://www.biology.washington.edu/people/profile/verónica-di-stilio>

Education

- 1998 Ph. D., University of Massachusetts, Department of Biology (Plant Biology Program). “Molecular Markers and Y chromosome Evolution in *Silene*”.
- 1990 Licenciata in Biological Sciences (M. Sc. equivalent), with Honors.
Universidad de Buenos Aires (UBA), Buenos Aires, Argentina.

Appointments

- 2012-present Associate Professor, University of Washington (UW), Department of Biology.
On sabbatical leave 2012-2013 and 2019-2020 academic years.
- 2006-12 Assistant Professor, UW, Biology.
- 2003-06 Acting Assistant Professor, UW, Biology.

Sabbatical Visits

- 2019 Sabbatical Visiting Faculty, U. of Groningen, GLIFES, The Netherlands (July-Sept).
- 2013 Sabbatical Visiting Faculty, U. of Cambridge, UK (Beverley Glover lab, March)
Sabbatical Visiting Faculty, U. of Oxford, UK (Jane Langdale lab, April-July)

Post-doctoral Experience

- 2000-03 Postdoctoral Fellow. Harvard University (D. Baum & E. Kramer, advisors).
- 1998-99 Postdoctoral Research Associate, U. of Massachusetts, Amherst (A. Cheung advisor).

Fellowships and awards

- 2019 J. William Fulbright Foreign Scholar, US Dept. of State (Argentina, Oct-Dec).
- 2018 Travel award, Botany 2018, Botanical Society of America (BSA).
- 2017 Registration award, XIX International Botanical Congress (Shenzhen, China).
- 2013 NSF Evo-Devo-Eco Network (EDEN) research exchange (U. of Cambridge).
- 2004-06 HHMI Scientific Education Program award for course development.
Travel awards, NSF-MORPH Symposia, Botany 2004 and 2006 (BSA).
- 2001-02 Harvard Milton fund postdoctoral fellow, OEB, Harvard University.
- 2000-01 Mercer postdoctoral fellow, Arnold Arboretum, OEB, Harvard University.
- 1996-97 Scholarship for studies abroad, Argentinean Ministry of Education.
- 1995 Graduate school fellowship, University of Massachusetts.
- 1994 OTS Tropical Plant Systematics course scholarship (Costa Rica).
- 1990-92 Graduate school fellowship, University of Buenos Aires.
- 1988-90 Research fellowship for undergraduates, University of Buenos Aires.

Current Funding (Total; annual direct costs; award length)

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- 2019-23 1) NSF-DEB 1911539 Opus MCS (Mid-Career Synthesis): Evolutionary processes underlying transitions in sexual systems, pollination mode and ploidy (\$304,007; \$98,053 direct/year; 2 years). Sole PI.
 2) NSF-IOS 1920408 Evo-Devo Collaborative Research: Comparative analysis of fern *LEAFY* genes and their regulatory network. co-PI J. Maloof, UC Davis (UW \$351,992; \$113,180 direct/year; 2 years).
 3) PICT- 2019- 01816 International “Raíces” (Roots) Program (Argentinian Gov. Collaboration, FONCYT). Reproductive biology of the gymnosperm relict *Ephedra*: an Eco-Evo-Devo perspective (AR\$720,000/year, 3 years). Raíces Investigator, Di Stilio; PI, A. Aranda-Rickert (co-PI R. Pozner).

Past Funding

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- 2019-2020 National Geographic Society Research Grant NGS-55332R-19: Reproductive Biology of the South American plant genus *Ephedra* (\$13,000; one year).
 2018-2019 The Fred C. Gloeckner Foundation: Flower Design: understanding and generating remarkable flowers in herbaceous perennials (\$9,000; 7/16/18-12/31/19).
 2016-17 Univ. of Washington Bridge funds (\$99,993; 7/1/16-12/31/17).
 2015-16 NSF-BEACON: Evolutionary and ecological consequences of polyploidy. V. Di Stilio and D. Tank (U. Idaho), co-PI. (UW \$41,294 ; 8/1/15-7/31/16).
 F. Gloeckner Foundation: Induction of double flowers by transposon mutagenesis in *Thalictrum*. (\$5,000; 7/1/15-6/30/16).
 Royalty Research Fund. In search of the ancestral role of flowering genes. (\$39,978). Di Stilio (PI). 01/16/15-01/15/16.
 2011-15 NSF IOS-1121669 “Functional Evolution of Flower Organ Identity Genes in the basal Eudicot *Thalictrum*: Implications for transitions in breeding and pollination systems”. (\$121,051, 3 year). Di Stilio, sole PI.
 Summer REU supplement to IOS-1121669 (\$3,500), 6/1/15-8/31/15.
 2013-2014 Two Summer REU supplements to IOS-1121669 (\$6,000 each), 2012 and 2013.
 2011-13 NSF DBI-IOS 1118539. RUI: Molecular mechanisms of flower reversion in *Arabidopsis suecica*. PI: A. Madlung, co-PI: V. Di Stilio (UW \$8,453).
 2012 EDEN Research exchange grant to V. Di Stilio (\$3,000).
 2008-11 NSF-RIG IOS-0818836: Developmental genetics of pollination-related floral phenotypes in *Thalictrum* (\$76,361, three years).
 2010 NSF-REU, linked to NSF-RIG IOS-0818836 (\$6,000).
 2008-09 Royalty Research Fund UW. Dissecting gene function by viral induced gene silencing: gene duplication, functional divergence and the evolution of flower diversity (\$39,525).
 2005-07 F. Gloeckner Foundation, NY. The genetic basis of flower variation in *Thalictrum* (\$16,000).
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Publications (peer reviewed)

(¹corresponding author, [undergraduate](#), [graduate](#), [postdoc](#))

[Google Scholar](#) (<https://scholar.google.co.uk/citations?hl=en&user=gLYO9W8AAAAJ>)

47. San Martin, J., R. Pozner and **V. S. Di Stilio**. 2022. Heterochrony and repurposing in the evolution of gymnosperm seed dispersal units. *EvoDevo* 13:7, doi: [10.1186/s13227-022-00191-8](https://doi.org/10.1186/s13227-022-00191-8).
46. Ramage E., V.L. Soza¹, **Y. Jing**, **H. Deal**, V. Chudgar, B. Hall and **V. S. Di Stilio**. Gene duplication and differential expression of flower symmetry genes in *Rhododendron* (Ericaceae). 2021. *Plants* 10 (10): 1994, doi: [10.3390/plants10101994](https://doi.org/10.3390/plants10101994).
45. Aranda-Rickert A¹, J. Torr  ns, **N. Yela**, M. Brizuela & **V. S. Di Stilio**¹. 2021. Distance dependent contribution of ants to pollination but not defence in a dioecious, ambophilous gymnosperm. *Frontiers in Plant Science (Funct. Ecol.)* 12: 1979. doi: [10.3389/fpls.2021.722405](https://doi.org/10.3389/fpls.2021.722405)
44. **Di Stilio, V.S.** and S.M. Ickert-Bond. 2021. *Ephedra* as a gymnosperm evo-devo model lineage. *Evolution & Development* doi: [10.1111/ede.12370](https://doi.org/10.1111/ede.12370).
43. **Arias, T.**, Ria  o-Pach  n, D.M. and **Di Stilio, V.S.** 2021. Genomic and transcriptomic resources for candidate gene discovery in the Ranunculids. *Applications in Plant Sciences* 9(1): e11407, doi: [10.1002/aps3.11407](https://doi.org/10.1002/aps3.11407).
42. **Mart  nez-G  mez, J.**, **K.D. Galimba**, **E.Y. Cot  **, A. M. Sullivan and **V.S. Di Stilio**. 2020. Spontaneous homeotic mutants and genetic control of floral organ identity in a ranunculid. *Evol. & Dev.* 23 (3): 197-214. doi: [10.1111/ede.12357](https://doi.org/10.1111/ede.12357).
41. **Conway, S.J.** and **Di Stilio, V.S.** 2020. An ontogenetic framework for functional studies in the model fern *Ceratopteris richardii*. *Developmental Biology* 457, 20–29. doi: [10.1016/j.ydbio.2019.08.017](https://doi.org/10.1016/j.ydbio.2019.08.017).
40. Leebens-Mack, J.H.,, Barker, M.S....**V.S. Di Stilio** et al. 2019. One thousand plant transcriptomes and the phylogenomics of green plants. *Nature* 574, 679–685. doi: [10.1038/s41586-019-1693-2](https://doi.org/10.1038/s41586-019-1693-2) (author 57/194, sample contributor, manuscript editor).
39. **Morales-Briones, DF**, **Arias, T**, **Di Stilio, V.S.**, and Tank, DC. 2019. Chloroplast primers for clade-wide phylogenetic studies of *Thalictrum*. *Appl. Plant Sci.* 7(10), e11294. doi:[10.1002/aps3.11294](https://doi.org/10.1002/aps3.11294)
38. Pab  n-Mora, N., **Di Stilio V.S.** and Becker, A. 2019. eBook, Editorial: Genetic Regulatory Mechanisms Underlying Developmental Shifts in Plant Evolution. *Frontiers in Plant Science (section Plant Evo-Devo)* 10:710. doi: [10.3389/fpls.2019.00710](https://doi.org/10.3389/fpls.2019.00710).
37. **Plackett A.R.**^{  }, **S.J. Conway**^{  }, K.D. Hewett Hazelton, E.H. Rabbinowitsch, J.A. Langdale¹, and **V.S. Di Stilio**¹. 2018. *LEAFY* maintains apical stem cell activity during shoot development in the fern *Ceratopteris richardii*. *eLife* 7, e39625. ^{  }Equal contribution. doi: [10.7554/eLife.39625](https://doi.org/10.7554/eLife.39625). Faculty Opinions, 16 Oct 2018; [10.3410/f.734278787.793551403](https://doi.org/10.3410/f.734278787.793551403)
36. **Wang T.**, **M. Clifford**, **J. Mart  nez-G  mez**, **J. Johnson**, J. Riffell¹ and **V.S. Di Stilio**¹. 2018. Scent matters: differential contribution of scent to insect response in flowers with insect vs. wind pollination traits. *Annals of Botany* 123 (2): 289-301, doi.org/[10.1093/aob/mcy131](https://doi.org/10.1093/aob/mcy131).
35. **Blischak, P.D.**¹, M. Latvis, **D.F. Morales-Briones**, **J.C. Johnson**, **V.S. Di Stilio**, A.D. Wolfe, and D.C. Tank. 2018. Fluidigm2PURC: Automated processing and haplotype inference for double-barcoded PCR amplicons. *Appl. Plant Sci.* 6 (6): e1156. doi:[10.1002/aps3.1156](https://doi.org/10.1002/aps3.1156)
34. **Lane K.**, M. Augustin, S. Ayyampalayam, A. Plant, S. Gleissberg, **V.S.. Di Stilio**, C dePamphilis, K-S. Wong, T. Kutchan, and J. Leebens-Mack¹ 2018. Phylogenomic Analysis

- of the Ranunculales with Resolution of the Papaveraceae. *Botanical Journal of the Linnean Society* 187 (2):157-166. <https://doi.org/10.1093/botlinnean/boy015>
33. Galimba K.D., J. Martínez-Gómez & V.S. Di Stilio¹. 2018. Gene duplication and transference of function in the paleoAP3 lineage of floral organ identity genes. *Front. Plant Sci.* 9, 334. Doi: [10.3389/fpls.2018.00334](https://doi.org/10.3389/fpls.2018.00334)
 32. Di Stilio V.S., Melzer R. and Hall J.C. 2017. A Broader view for Plant EvoDevo: novel approaches for diverse model systems. *Front. Plant Sci.* 8:61 and E-book, Frontiers Media SA.
 31. Soza V.L., C.D. Snelson, K. Hewett-Hazelton and V.S. Di Stilio¹ 2016. Partial redundancy and functional specialization of E-class *SEPALLATA* genes in an early-diverging eudicot. *Dev. Biol.* 419 (1):143-155.
 30. Stromberg C.¹, V.S. Di Stilio, Z. Song. 2016. Functions of Phytoliths in Vascular Plants: An Evolutionary Perspective. *Functional Ecology*, doi:10.1111/1365-2435.12692 .
 29. Plackett A.R.G., V.S. Di Stilio and J.A. Langdale¹. 2015. Ferns: the missing link in shoot evolution and development. *Front. Plant Sci.* 6:972. doi: 10.3389/fpls.2015.00972.
 28. Galimba, K.D. and V.S. Di Stilio¹. 2015. Sub-functionalization to ovule development following duplication of a floral organ identity gene. *Dev. Biol.* 405, 158–172.
 27. Soza V.L., V-N. Le Huyn and V.S. Di Stilio¹. 2014. Pattern and process in the evolution of the sole dioecious member of Brassicaceae. *EvoDevo* 5(42): 1-17. doi: 10.1186/2041-9139-5-42.
 26. LaRue N.C., A.M. Sullivan and V.S. Di Stilio¹. 2013. Functional recapitulation of evol. transitions in sexual system by homeosis during the evolution of dioecy in *Thalictrum*. *Front. Plant Sci.* 4 (487): 1-10.
 25. Soza V.L., K.L. Haworth and V.S. Di Stilio¹. 2013. Timing and consequences of recurrent polyploidy in meadow-rues (*Thalictrum*, Ranunculaceae). *Molecular Biology & Evolution* 30(8): 1940-1954.
 24. Yuan Y.W., J.M. Sagawa, V.S. Di Stilio and H.D. Bradshaw, Jr¹. 2013. Bulk segregant analysis of an induced floral mutant identifies a *MIXTA-like* R2R3 MYB controlling nectar guide formation in *Mimulus lewisii*. *Genetics* 194 (2): 523-528.
 23. Galimba K.D., T. Tolkin, A.M. Sullivan, R. Melzer, G. Theißen, V.S. Di Stilio¹. 2012. Loss of deeply conserved C-class floral homeotic gene function and C- and E-class protein interaction in a double-flowered ranunculid mutant. *Proc. Nat. Acad. Sci.* 109 (34), E2267-75.
 22. Soza V.L., J. Brunet, A. Liston, P. Salles Smith and V.S. Di Stilio¹. 2012. Phylogenetic insights into the correlates of dioecy in meadow-rues (*Thalictrum*). *Molecular Phylogenetics & Evolution* 63(1): 180-192.
 21. Diggle¹ P., V.S. Di Stilio¹, A. Gschwend, E. Golenberg¹, R. Moore¹, J. Russell, J. Sinclair. 2011. Multiple developmental processes underlie sex differentiation in angiosperms. *Trends in Genetics* 27(9): 368-376. *Alphabetical authorship*.
 20. Di Stilio V.S.¹ 2011. "Empowering Plant Evo-Devo: Virus Induced Gene Silencing validates new and emerging model systems" *Bioessays* 33(9): 711-718.
 19. Nibau[§] C., V.S. Di Stilio[§], HM Wu, AY Cheung¹. 2010. Arabidopsis and Tobacco *SUPERMAN* regulate hormone signaling and mediate cell proliferation and differentiation. *J. Exp. Botany* 62 (3): 949-961. [§]Equal contribution.

18. **Di Stilio¹ V.S., R. Kumar,** A.M. Oddone, P. Salles, **T.R. Tolkin, A.F. Schulfer** and **K. McCarty. 2010.** Virus-Induced Gene Silencing as a Tool for Comparative Functional Studies in *Thalictrum*. *PLoS One*, 5(8): e12064.
17. **Di Stilio V.S.¹, C .Martin, A.F. Schulfer, C.F. Connelly. 2009.** An ortholog of *MIXTA-like2* controls epidermal cell shape in flowers of *Thalictrum*. *New Phytologist* 183: 718-728.
16. Cheung A.Y., Q.H. Duan, S. Costa, B.H.J. de Graaf, **V.S. Di Stilio, J Feijo, HM Wu. 2008.** The Dynamic Pollen Tube Cytoskeleton: Live Cell Studies Using Actin-Binding and Microtubule-Binding Reporter Proteins. *Molecular Plant* 1 (4): 686-702.
15. **Di Stilio V.S.¹, E.M. Kramer and D. Baum. 2005.** Floral MADS box genes and homeotic gender dimorphism in *Thalictrum dioicum* (Ranunculaceae), a new model for the study of dioecy. *The Plant Journal* 41: 755-766.
14. Kramer E.¹, A. Jaramillo and **V.S. Di Stilio. 2004.** Patterns of gene duplication and functional evolution during the diversification of the *AGAMOUS* subfamily of MADS box genes in angiosperms. *Genetics* 166: 1011-1023. [Faculty of 1000](#).
13. Kramer E.¹, **V.S. Di Stilio** and P. Schluter. **2003.** Complex patterns of gene duplication in the *APETALA3* and *PISTILLATA* lineages of the Ranunculaceae. *International Journal of Plant Sciences* 164 (1): 1-11.
12. Cheung A.Y.¹, H-M. Wu, **V.S. Di Stilio**, R Glaven, C Chen, E Wong, J Ogdahl and A Estavillo. **2000.** Pollen-pistil interactions in *Nicotiana tabacum*. *Ann. Bot.* 85 (Suppl A): 29-37.
11. Armbruster W.S.¹, **V.S. Di Stilio**, J. Tuxill, T. Flores & J. Velazquez-Runk. **1999.** Covariance and Decoupling of Flower and Vegetative Traits in Nine neotropical plants: A Re-evaluation of R. L. Berg's Correlation-Pleiades Concept. *American Journal or Botany* 86: 39-55.
10. Vicari R.¹, F. Menalled, **V.S. Di Stilio**, S. Ucha and N. Madanes. **1999.** Productividad y ciclo del nitrógeno en dos plantaciones de álamos (*Populus deltoides*) con diferentes dinámicas de inundación. *Physis Sec. C*, 57(132-133): 41-51.
9. **Di Stilio V.S.¹, R.V. Kesseli and D.L. Mulcahy. 1998.** A pseudoautosomal random amplified polymorphic DNA marker for the sex chromosomes of *Silene dioica*. *Genetics* 149: 2057-62.
8. Zhang Y.H., **V.S. Di Stilio**, F. Rehman, A. Tucker, D. Mulcahy and R. Kesseli¹. **1998.** Y-chromosome specific markers and the evolution of dioecy in *Silene*. *Genome* 41(2): 141-147.
7. Vicari R.¹, F. Menalled, **V.S. Di Stilio** and N. Madanes. **1998.** Descomposición de la hojarasca en una plantación de álamos (*Populus deltoides*). *Physis, Sec. C* (130-131): 9-13.
6. Cresti M.¹, H.F. Linskens, D.L. Mulcahy, S. Bush, **V.S. Di Stilio**, M. Yu Xu, R. Vignani and A. Cimato. **1996.** Preliminary communication about the identification of DNA in leaves and in olive oil of *Olea europaea*. *Advances in Horticultural Science* 10:105-107.
5. **Di Stilio V.S. & R. Vicari¹. 1995.** Cuantificación de la caída y contenido de nutrientes de materiales del canopeo en plantaciones de *Populus deltoides*. *Physis* (Buenos Aires) Sec. C, 50 (118-119): 95-104.
4. **Di Stilio V.S.¹. 1994.** *Vigna* Savi en Argentina: Estudio Palinológico. *Boletín de la Sociedad Argentina de Botánica* (Bulletin of the Argentine Society of Botany) 30 (1-2): 3-11.
3. Agulló M.A., M.M. Brizuela, **V.S. Di Stilio**, P.S. Hoc, R.A. Palacios, J. Genise and P. Hazeldine **1993.** Relación unidad de polinización-visitantes florales en *Vigna luteola*. *Bol. Soc. Arg. Bot.* 29 (3-4): 131-138.
2. Brizuela M.M., P.S. Hoc, **V.S. Di Stilio**, M.A. Agulló, R.A.. Palacios. **1993.** Biología floral de *Macroptilium bracteatum* (Leguminosae, Phaseoleae). *Darwiniana* 32: 41-57.

1. Hoc P., **V.S. Di Stilio**, M. Agulló, M.M. Brizuela, R. Palacios, P. Hazeldine and J. Genise. **1993**. Biología floral de *Vigna longifolia* (Leguminosae, Phaseoleae). *Darwiniana* 32: 27-39.

Manuscripts in preparation (target submission)

1. Evolutionary analysis of floral morphology as a proxy for pollination mode. J Martínez-Gómez, S. Park, S. Hartogs, V. Soza, S. Park & V. Di Stilio. (for *Evolution*).
2. The role of trait Integration and timing in lineage diversification in a perennial herb. Di Stilio, VS, S. Zahid and R. Zenil-Ferguson (for *New Phytologist*)
3. Gene recruitment and developmental novelty in plant evolution. VS. Di Stilio & J. Maloof (for *Development*, invited review).

Other Publications (not peer reviewed)

[Hartogs, S.](#) and V. S. Di Stilio. 2018. Doing Science with Ornamental Plants. Bulb Science Newsletter 16 (3): 4-5;10.

Invited Talks, Symposia organized

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| 2022 | U. of California Davis, Plant Biology Program seminar series (3.10-3.11.22) |
| 2021 | U. of Massachusetts, Amherst. Biology Dept Seminar Series (4.22.21 via zoom)
Plenary Lecture. 54th NW Developmental Biology (virtual, 3.20.21). |
| 2020 | Polyploidy Webinar seminar speaker (U. Arizona, M. Barker Lab, 10.26).
U. of Hawai'i Mānoa, School of Life Sciences (4.17, <i>cancelled due to COVID</i>).
Euro Evo-Devo conference, Symposium invited speaker (<i>postponed to 2022</i>) |
| 2019 | 1) Floriculture Institute, INTA, Buenos Aires, Argentina (12.16). <i>The evolution of floral patterning</i> .
2) Darwinion Botanical Institute, Buenos Aires, Argentina (11.29), <i>Botany and the evo-devo approach</i> .
3) XVI National Biodiversity Congress closing speaker, <i>The contribution of the "Evo-Devo" approach to plant biodiversity</i> . La Rioja, Argentina (10.18).
4) Wageningen U, Plant Developmental Systems, The Netherlands (G. Angenent, 8.29), <i>Reconstructing the ancestral role of flowering pathway genes</i> .
5) University of Osnabrück, Biology, Germany (S. Zachgo, 8.21)
6) Humboldt University seminar speaker, Berlin, Germany (K. Kaufmann, 8.9).
7) U. of Groningen, GELIFES, sabbatical visiting professor (The Netherlands, 7.12).
8) Reed College Biology Seminar speaker (Portland, OR, 2.22). |
| 2018 | University of Wisconsin Biology Colloquium (Madison, WI, 12.6). |
| 2017 | 1) IX Latin American Soc. for Developmental Biology (Medellín, Colombia).
2) XIX International Botanical Congress Symposium speaker (Shenzhen, China).
3) PanAm Evo-Devo selected speaker (Calgary, CA). |
| 2016 | U. of Oregon. Dev. Biol. Training Program Seminar Series speaker (Eugene, OR).
BEACON seminar series: <i>Evolutionary consequences of Polyploidy in plants</i> (5.27). |
| 2015 | Seattle developmental Biology Group Fall retreat speaker (Seattle, WA).
Symposium organizer and speaker, Botany 2015 (Edmonton, CA). |
| 2013 | Sabbatical Academic Visitor, U. Cambridge (B. Glover), U. Oxford (J. Langdale). |
| 2012 | Evolutionary Morphology seminar series speaker, U. of Chicago (Chicago, IL).
SACNAS symposium speaker (Seattle, WA) |

- Sta. Cruz Developmental Biology Meeting speaker (UC Sta. Cruz, CA).
 Inst. of Bot, Chinese Acad. of Sci. 2-week visiting scientist, speaker (Beijing, CN).
 Plant & Animal Genome XX speaker (San Diego, CA).
 2011 Wayne State U Departmental Seminar speaker (Detroit, MI).
 2010 NESCENT Catalysis meeting participant and speaker (Durham, NC).
 SDB Fall Retreat speaker and UW SAMPL seminar speaker (Seattle, WA).
 FASEB "Mechanisms in Plant Development" speaker (Saxtons River, VT).
 Plant and Animal Genome XX speaker (San Diego, CA).
 2009 Oregon State U. "Bonnie Templeton Lecture" endowed speaker (Corvallis, OR).
 2008 FASEB "Mechanisms in Plant Development" speaker (Saxtons River, VT).
 U. of Illinois seminar series speaker (Urbana-Champaign, IL).
 Western Washington University, Biology seminar speaker (Bellingham, WA).
 2007 Symposium organizer and speaker, joint BSA-ASPB meeting (Chicago, IL).
 2006 U. of California Dept. of Botany & Plant Sciences seminar speaker (Riverside, CA).
 Humboldt State U., Biology Grad Student Assoc. seminar speaker (Arcata, CA).
 Ohio University, Environmental and Plant Biology seminar speaker (Athens, OH).
 Northwest Developmental Biology Conference speaker (Friday Harbor Labs, WA).
 2005 ASPB symposium Variation and Evolution in Plant Development (Seattle, WA).
 2004 6th Seattle Dev. Biol. Retreat, Sex determining mechanisms in plants (Seattle, WA).
 2003 UW Department of Biology seminar speaker (Seattle, WA).
 1999 Mt. Holyoke College, Biological Sciences seminar speaker (South Hadley, MA).
 1997 Harvard University Herbarium seminar speaker (Cambridge, MA).
 1994 U. of Massachusetts, Organismic and Evol. Biology seminar speaker (Amherst, MA).

Conferences: contributed talks and posters

undergraduate, graduate, postdoc *presenter

- 2022 European EvoDevo (EED) Symposium speaker, *upcoming in May. Evolutionary integration of floral traits predicts pollination mode and identifies key floral features in wind pollination. V. Di Stilio*, J. Martínez Gómez, S. Zahid and S. Hartogs.*
- 2021 Botany 2021 virtual (7/19-23). *A structural model for a key innovation in seed plant reproduction: Fleshy diaspores in the gymnosperm Ephedra (Gnetales). Di Stilio, V*, San Martin, J, Pozner, R, Nolan, C.*
 Evolution 2021 (6/21-25). *The role of trait Integration and timing in lineage diversification in a perennial herb. Di Stilio, V.*, Zahid, S., Zenil-Ferguson, R.*
- 2020 Botany 2020 (virtual, 7/27-29): a) *Reproductive biology of South American Ephedra*, A. Aranda-Rickert*, M. Brizuela, J. Torrén and V. Di Stilio, talk. b) *Phylogenetic patterns of trait evolution in Thalictrum: the role of integration, timing and interdependence in lineage diversification.* R. Zenil-Ferguson & V. Di Stilio*, talk.
- 2019 1) Botany 2019 (Tucson, AZ, 3.29), *Natural homeotic mutants and genetic control of floral organ identity in a ranunculid. J. M-Gómez*, K. Galimba, E. Coté, A. Sullivan and V. Di Stilio*, talk. 2) XVI National Biodiversity Congress, Plant-animal interactions symposium (La Rioja, Argentina, 10.15), *Evolution of wind pollination syndrome in Thalictrum (Ranunculaceae)*, talk. 3) Flower Development Workshop (Giens, France, 6.21), *The ABC model of flower development in non-core eudicots: a functional synthesis in a ranunculid*, talk.
- 2018 Botany 2018 (Rochester, MN, 7.21-26): a) *Characterizing wind pollination syndrome, its tempo and mode of evolution in Thalictrum (Ranunculaceae).* V. Di Stilio, S.

- Hartogs, J. M-Gómez, D. Tank, talk. b) *An ontogenetic framework for functional studies in the model fern Ceratopteris richardii*. S. Conway* and V. Di Stilio, poster.
- 2017 1) Botany 2017 (Fort Worth, TX). *LEAFY function in the model fern Ceratopteris richardii: reconstructing the ancestral role of a flowering meristem identity gene*. S. Conway* & V. Di Stilio, talk. 2) Evolution 2017 (Portland, OR). *Reconstructing the ancestral function of a floral pathway gene*. H. Blazina*, C. Matzke*, K. H-Hazelton, S. Conway, V. Di Stilio, poster.
- 2016 1) Botany 2016 (Savannah, GA, 7.30-8.3) *The ABC model of flower Development in non-core eudicots*, talk. 2) *Reconstructing the ancestral role of a key transcription factor*, V. Di Stilio*, K. Hewett Hazelton and M. Wong, poster. 2) BEACON Congress (East Lansing, MI, 8.9-13), *Evolutionary consequences of polyploidy in plants*. V. Di Stilio* and D. Tank, talk. 3) EvoWibo (Fort Worden, WA, 4.14-16). *Reconstructing the ancestral role of a key flowering transcription factor*. V. Di Stilio*, K H-Hazelton and M. Wong.
- 2015 Botany 2015 (Edmonton, Canada). *Duplication and Divergence of the Floral Organ Identity Genes*. K. Galimba*, J. Martínez-Gómez, V. Di Stilio, talk.
- 2014 Botany 2014 (Boise, ID). 1) *Gene duplication, partial redundancy and neo-functionalization in the APETALA3 lineage of floral organ identity genes*. K. Galimba*, J. Martínez-Gómez and V. Di Stilio. 2) *Mechanisms of Polyploidy in Thalictrum (Ranunculaceae)*. J. Johnson*, V. Soza and V. Di Stilio, poster. 3) *Jumping genes and double flowers*. E. Coté*, K. Galimba and V. Di Stilio, poster.
- 2013 Botanical Society of America, New Orleans, 7/28. K. Galimba* and V. Soza*.
- 2012 1) PAG 2012. *Deep conservation of class C floral homeotic gene function in a ranunculid*. V. Di Stilio*, talk. 2) Euro Evo Devo Conference (Lisbon). *Homeotic cultivars of Thalictrum thalictroides enable a forward genetics approach to flower organ identity evolution*. V. Di Stilio*, A. Sullivan, A. Schulfer and N. LaRue V. Di Stilio*. 3) Sta. Cruz Dev. Biol. Meeting, Innovations in Development. *Testing the ABC model of flower development: flower homeotic gene function beyond traditional model plants*. V. Di Stilio*. 4) SACNAS attendee (student recruitment).
- 2011 Botany 2011. *Multiple developmental processes underlie flower sex differentiation in angiosperms*. P Diggle*, V Di Stilio et al., talk.
- 2010 1) PAG 2010 (San Diego, CA). 2) SDB NW meeting FHL: *Structure and function of AGAMOUS in a basal Eudicot*. T. Tolkin*, K. Galimba, A. Oddone, Di Stilio, talk. Tolkin*, Di Stilio. *Honorable Mention, best student talk*. 3) FASEB Mechanisms in Plant Development (Saxtons River, VT). *Organ Identity and Elaboration in the Evolution of Floral Diversity in Thalictrum, a Non-Core Eudicot*. V. Di Stilio*, T. Tolkin, K. Galimba, P. Salles, K. McCarty and N. LaRue, talk.
- 2009 Evolution (Moscow, ID). *Evolution of Flower Development in Thalictrum*. V. Di Stilio*, A. Oddone, A. Schulfer, talk. 25th Symposium in Plant Biology: The Evolution of Plant Development (UC, Riverside, CA), poster.
- 2008 Botany 2008 (Vancouver, BC). 1) *Functional analysis of floral genes by viral induced gene silencing in Thalictrum*. V. Di Stilio* & R. Kumar, talk. 2) *Molecular studies of floral evolution in Vireya Rhododendrons*. A. Mullenieux*, V. Di Stilio, B. Hall. 3) FASEB (Saxtons River, VT). *Developmental Genetics of Pollination-Related Floral Phenotypes in Thalictrum*. V. Di Stilio*, C. Connelly and A. Schulfer.

- 2007 Botany and Plant Biology Joint Congress 2007 (Chicago, IL). *Genetic underpinnings of shifts in pollinator-related floral phenotypes in Thalictum*. **V. Di Stilio***, talk.
- 2006 Botany 2006, (Chico, CA). 1) *Evolution of petaloidy and insect pollination in Thalictum (Ranunculaceae)*. **V. Di Stilio*** & **C. Connelly**. 2) *Evolution of Breeding system and genome size in Thalictum*. J. Brunet, **V. Di Stilio*** & A. Liston, talks.
- 2005 Plant Genetics Specialty Conference, ASPB (Snowbird, UT), poster.
- 2004 Botany 2004 (Snowbird, UT). *Thalictum* in the study of the genetics of sex determination. **V. Di Stilio*** and X. Chen, poster.
- 2003 1) Botany 2003 (Mobile, AL). *Floral MADS box genes and the evolution of dioecy by homeosis in meadow rues*. **V. Di Stilio***, Baum and Kramer, talk. 2) Mechanisms of Genetic Variation (Snowbird, UT), poster.
- 2002 1) Botany 2002 (Madison, WI). *Sex-specific expression of MADS box genes in dioecious meadow rues: evidence of homeotic sexual dimorphism*. **V. Di Stilio***, D. Baum and E. Kramer, talk. 2) Flowers: Div., Dev. & Evol. (U. Zürich), poster.
- 2001 Evolution (Knoxville, TN). *Floral MADS-box genes and the evolution of floral dimorphism in dioecious meadow rues*. **V. Di Stilio***, talk.
- 1996 Botany 1996 (Seattle, WA). *Sex-linked molecular markers identify crossing-over between the X and the Y sex chromosomes in Silene dioica*. **V. Di Stilio*** talk.
- 1995 Pop. Bio. New Engl (CT), AIBS (San Diego, CA) and Evolution (Montreal, CA), talks. *Sex-linked RAPD markers and sex chromosome genetic variation in the dioecious angiosperms Silene latifolia and S. dioica*. **V. Di Stilio***, R. Kesseli and D. Mulcahy.
- 1993 1) IV Botany Simposium, La Habana, Cuba. *Palynological analysis flowering vegetation of Rivadavia Park (Argentina)*, poster. 2) Int. Legume Conference, Kew, UK. *Pollination mechanisms of four Argentinean species of Phaseolinae*, poster.
- 1991 Argentinian Society of Botany (Bariloche, Argentina). 1) *Palynological study of Vigna Savi in Argentina*. 2) *Pollination unit and floral visitors in Vigna luteola, V. adenantha, V. longifolia and Macroptilium bracteatum (Leguminosae)*, posters
- 1989 1) Argentinean Society of Ecology (Jujuy, Argentina). *Litterfall and mineral cycling in Populus deltoides stands*, poster. 2) Latin-American Ecology Congress (Montevideo, Uruguay): *Biomass, productivity and nutrient cycling in forested ecosystems*, poster.

Teaching

University of Washington, Seattle

- 2006-present Biol 441 Trends in Land Plant Evolution (5 cr. with lab, 48 students, Aut).
- 2014-present Biol 489 A/590 B Sr/Grad Sem, Evol. of Plant Development (2 cr, 15-20 students, Spr). Taught also in 2012, 2006, 2007 and 2004.
- 2015 Biol 540: Evodevo Seminar (1 cr, Wtr).
- 2011, 09, 08, 06, 04 Biol 180 Intro. Biol. (First half, Gen. & Evol, 5 cr, 379-480 students, Aut).
- 2006 HHMI Science Education Program, Biol 441 course development (Sum).
- 2006-present Biol 551H Evol. of Plant Dev. lab. meeting (1 cr, every quarter).
- 2003-present Biol 499A/B, undergraduate research (2-4 cr, 1-3 students/quarter).

Harvard University

- 2002-03 Temporary Academic, Genetics and Genomics (D. Hartl & W. Gelbart, 2 semesters).
- 2000-01 Senior tutorial "Plant Sexual Reproduction: Evolutionary and Molecular Aspects" (self-designed and taught for 2 semesters).

University of Massachusetts, Amherst

1992-96 Teaching assistant, Department of Biology: Introductory Biology for Science majors, Introductory Botany for science and non-science majors.

Universidad de Buenos Aires, Argentina

1988-92 Teaching assistant, Department of Biology: Introductory Ecology; Community and Ecosystem Ecology; Introductory Molecular and Cellular Biology.

Other course development

2019 Graduate course: “Jornadas Evo-Devo”, CRILAR-CONICET, La Rioja (Argentina). Oct 19-22 (34 hr., 8 students, in Spanish).
<https://canvas.instructure.com/courses/1738655>

Guest lectures

2020 Plant Research Group research presentation (Nemhauser/Ruesink)
2019 Plant Evo-Devo (2 lectures), Plant Biodiversity, U. de La Rioja, Argentina (Brizuela)
2017 Plant evo-devo lecture for Greening of the Earth, Biol 447 (Stromberg).
2016 Flowers, endless forms most beautiful, for Research Exposed! Approaches to Inquiry (Undergraduate Research Program).
2015 Flower Evo-Devo, for Mol. Mechanism of Plant Development, Biol 416 (Imaizumi).
2011 Experimental Ecology and Evolution, Biol 481 (Kerr).
2009 Mock NSF panel leader for Biol 502 Grant Writing (Nemhauser).
2008 “Parade of Stars” lab research presentation, Biol 490C (Stromberg). Biol 317 (Soza).
2006 Plant Evo-Devo for Biol 317, Plant Classification and Identification (Olmstead).
2004 Plant development lecture for Biol 411, Developmental Biology (Swalla).
1998 2 lectures, Plant Biology for Intro. Bio, Mt. Holyoke College, MA (Hall).
1994 Costa Rica's tropical flora, Tropical Ecology, Dept. of Biology, U. Mass. (Godfrey).

Professional activities

2016-present [Associate Editor](#), Frontiers in Plant Science (Plant Evo-Devo), 23 manuscripts handled, and two research Topics edited.
2018-19 [Research Topic](#) and E-book co-Editor (with N. Pabón-Mora, A. Becker), Genetic regulatory mechanisms underlying developmental shifts in plant evolution, Front. Plant Sci. (18 articles).
2017-19 Tenure review external evaluator (2).
2016-18 Program Director, Botanical Society of America, Dev. and Structure Section.
2015 [Research Topic](#) and E-book Editor (with R. Melzer, J. Hall), A Broader view for Plant EvoDevo: novel approaches for diverse model systems. Front. Plant Sci. (14 articles).
2013-15 Moseley Award Committee member (3 year), committee chair (2015), BSA.
2010-16 Review Editor, Frontiers in Plant Evolution & Development.
2010-12 Twice NSF-IOS panel member (17 pre-proposals, 15 proposals).
2008-10 BSA Grad Student Research Award committee, 3-year term.
2006 NSF-IOS panel member (11 proposals).

- 2003-present *Ad hoc* grant reviewer: Human Front. Sci. Progr, NSF (IOS and DEB, CAREER, Dev. Systems, Funct. & Reg. Systems, Plant Gen. Res., Pop. & Evol. Proc.), BBSRC (UK), ANR (France), Israeli Sci. Found.
- 2003-present *Ad hoc* journal reviewer (5-8/year): Science, PNAS, Current Biology, eLife, The Plant Cell, New Phyt., Plant Phys., Am. Nat., Ann. Bot., Am. J. Bot., Trends in Plant Sci, Mol. Biol. & Evol. (MBE), J. Exp. Bot., Frontiers in Plant Sci., Plant Biotech. J., Mol. Phyl. & Evol. (MPE), Heredity, BMC Plant Biol., EvoDevo, Int. & Comp. Biol., Sex. Plant Rep., Int. J. Plant Sci., Plant Phys. & Biochem, Int. J. Plant Dev. Biol.

Postdoctoral mentoring

- 2016-2018 Stephanie Conway (Harvard U. postdoc).
- 2015 Tatiana Arias, visiting postdoc (Colombian Orchid Society, Assoc. Researcher).
- 2010-14 Valerie Soza (Scientific Editor, Infectious Disease Research Institute, Seattle).
- 2011-12 Corey Snelson.
- 2009 Christina (Pince) Owen (UW Botanic Gardens director, Seattle).

Graduate mentoring

- 2019-present Hannah McConnell, chair.
- 2019-2021 Simra Zahid (MSc 2021), chair
- 2020-2021 Andrew Hempton (Imaizumi), committee member.
Adamaris Muñoz-Tirado (Kerr), committee member
Melody Sain (U. Wisconsin, D. Baum advisor), external committee member.
- 2018-2019 Alex Lowe, tutorial instructor. Jing Yi, visiting graduate student faculty advisor.
- 2014-2019 Melissa Lacey, committee member.
- 2015-2016 Kelsie Morioka, temporary advisor.
- 2009-2015 Kelsey Galimba, chair (Ph.D. 2015, USDA postdoc 2020, Ass. Prof. OSU 2020-).
- 2012-2017 John Chau, reading committee member.
- 2009-2014 Kelsey Byers, committee member.
- 2008-2013 Kylee Peterson, committee member.
- 2008-10 Anne Mullineux, co-chair.
- 2004-09 Christina Pince, committee member.
- 2004-10 Valerie Soza, reading committee member.
- Rotations Janet Solano (Wtr 2022), Hannah McConnell (Spr 2021), Christine Nolan (Wt 2021), Simra Zahid (Sum 2020), Miles Fenske (2010), Kelsey Byers (2008), Rachana Kumar (2007-08), Patricia Montaña (2007).

Undergraduate mentoring

- 2003-present Mentored 42 students, 1/4 co-authored peer-reviewed articles, 1/3 biomedical careers (4 Ph.D., 1 Ph.c, 2 M.Sc, 2 MA. in Museology, 1 MD, 1 DMD, 1 DO, 1 OD).
College of A&S feature: <https://artsci.washington.edu/news/2016-05/cultivating-discovery>

- 2021-present Nicholas Gjording, Genevieve Stockman
- 2018-19 Samantha Hartogs (Mary Gates, Frye-Hotson-Rigg (FHR), Bulb Society award, M. Ed. student); Brittany Dean (Adaptive Biotech.); Michael Kastama (Pace Inter. lab.).

- 2017 S. Hartogs; Courtney Matzke (FHR, WSU M.S.); Henry Blazina (Mary Gates).
 2016 H. Blazina; Melissa Wong; Jesús Martínez-Gómez (ALVA-GenOM, NIH McNair fellow, NSF-CHOOSE Development, Cornell Ph.c.).
 2015 Mary Swadener (ALVA-GenOM summer intern, Emerging Researchers Nat. Conf. (ERNC) best poster; Adaptive Biotech. Computational Biologist).
 2014-15 Jonathan Yee (ALVA-GenOM, ERNC best poster); J. M-Gómez; Jens Johnson (Mary Gates, FHR, Mary Garrett, honors thesis, UBC M.Sc. 2018).
 2012-14 J. M-Gómez; J. Johnson; Max McDermott; Richie Lee.
 2011-12 Theresa Wang (Mary Gates, REU, honors thesis, UW MD 2019, surgery resident); Erin Coté (Mary Gates, REU, honors thesis, Husky 100 2019, UW M.A. Museology 2019, Gates Foundation); Kendall Haworth (REU).
 2010-11 Theresa Pak; Sarah Choe; Luissana Gómez (ALVA-GenOM summer intern).
 2009-10 Nicole la Rue (HHMI, Mary Gates, FHR, UW M.A. Museology 2018, Woodland Park Zoo); Theadora Tolkin (REU, NYU PhD 2016, NYU postdoc); Kacie McCarty (NASA-SURP, FHR); Rebecca de Frates (ALVA-GenOM summer intern).
 2008-09 Viet Nam Le Huyhn; Nadya Ali (ALVA-GenOM summer intern).
 2007-08 Brittany Ng (Berkeley OD); Jason Naud; Anjelique Schulfer (Mary Gates, Honors thesis, NYU PhD).
 2005-07 Laura Eiford (Mary Gates, honors thesis); Caitlin Connelly (Mary Gates, FHR, UW Genome Sciences PhD 2014, UMass Med. postdoc, Calico Life Sci. Data Scientist); Christean Jenkins (ALVA-GenOM summer intern).
 2003-04 Parisa Aalami-Monelli; Melissa Horton; Lisa Ching; He Yang Bo (Sichuan U.).
 Chen Xuening (Sichuan U.); Sean Schneider (UW Genome Sciences PhD, Hutch postdoc); Huy Nguyen; My Linh Trinh; Andrea Crosson.

Service

- 2021-present Greenhouse advisory committee chair.
 2017-present Biology Diversity and Equity Committee.
 2020 Fulbright U.S. Student Program Campus interview committee (evaluate UW applicants, provide feedback to strengthen their applications). Sept 18.
 Fulbright US-Egypt reviewer for Plant Biology applications (7). Nov 30.
 2018 Greenhouse manager search committee.
 2016 Biology lecturer search committee (5 positions).
 2015-16 Biology Greenhouse Committee. UW Undergrad Research Symposium chair (twice).
 2015 Undergraduate Program Committee. UW Royalty Research Fund committee.
 2005-14 Graduate Program Committee, Seminar Committee (Biology).
 Mary Gates Endowment review committee (UW, previously in 2008, 2012).

Outreach

- 2022 Featured in podcast “The People behind The Science” by Marie McNeely (2.21)
 2015-2019 Girls in Science, UW Burke Museum of Natural History with V. Soza, March.
 2018 Panelist, Diversity in Evolutionary Biology, U. Wisconsin (Madison, 12/6).
 Panelist, Undergraduate Research Intensive for Community College Transfer Students, UW Undergraduate Research Program (Seattle, 10/12).

2013-2016 Mentor, Choose Development Program (NSF), Jesús Martínez-Gómez.
2013 Panelist, Sabbaticals, Mentoring-for-leadership (UW ADVANCE, NSF).
2012 Mentor, Women in Technology Sharing Online, support undergrads in STEM.
2010-2017 National Lab Day participant, lab tours to 5th graders, Dept. Biology, UW.
2007-2015 Mentor, UW Genomics Outreach for Minorities, ALVA-GeNom, 7 interns.
2010 Native Plant Soc. invited speaker, Center for Urban Hort. (Seattle, WA).
2009 UW Future Faculty Fellow Symposium Panel speaker, Faculty with children
(Seattle, WA).
2006-07 Advisor, public science education campaign, Hispanic Communications Network.

Membership in Societies

1998-present (life) Botanical Society of America (BSA).
2000-present (life) Society for the Study of Evolution (SSE).
2012-present Society for Developmental Biology (SDB).
2015-present PanAm Evo-Devo (founded 2015).
2022- AAAS