***Curriculum Vitae***

**Doris Wagner** Department of Biology

University of Pennsylvania

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Philadelphia, PA 19104

Phone: 215-898-0483

Fax: 215-898-8780

**Positions held**

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2013 – present Professor of Biology, University of Pennsylvania

2011 – 2014 Graduate Chair, Department of Biology

2008 - 2009 Interim Graduate Chair, Department of Biology

2007 – 2013 Associate Professor of Biology, University of Pennsylvania

2000 – 2007 Assistant Professor of Biology, University of Pennsylvania

1998 – 2000 Research Associate, Department of Biology, California Institute of Technology

1995 – 1998 Postdoctoral Fellow, Department of Biology, California Institute of Technology

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**Education**

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1995 Ph.D., Plant Biology, University of California at Berkeley, Thesis Advisor: Peter Quail

1988 Vordiplom (BA equivalent), Technische Universität München, Weihenstephan, DE

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**Awards and Honors**

2018-2022 Robert I. Williams Term Professor of Biology

2017-2019 President, North American Arabidopsis Steering Executive Committee

2014-2019 Elected Member, North American Arabidopsis Steering Executive Committee

2013-2018Keynote speaker Virginia Tech Life Science Seminars and Graduate Minisymposium,

Society for Experimental Biology (SEB) Main Meeting, Valencia, Spain.

International Conference on *Arabidopsis* Research (ICAR)

2010-2016 Lead PI Epigenomics of Plants International Consortium (EPIC), Rob Martienssen and Craig Pikaard, co-PIs –foster international collaboration in the field of plant epigenomics

2004 Undergraduate Teaching Award, Biology Department, University of Pennsylvania

2003, 2005, 2008, 2015 University Research Foundation Award

1998 - 2000 California Institute of Technology Research Fellow grant

1995 - 1998 Helen Hay Whitney Foundation Postdoctoral Fellowship

1988 Dr. Whittman Fellowship for Undergraduate Research

1987 Vereinigte Stipendienstiftung Fellowship for Undergraduate Research

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**Professional Activities**

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2014 – 2017 Multinational Arabidopsis Steering Executive Committee,

Chair subcommittee on plant epigenetics

2013 – Core Faculty member, UPenn Epigenetics Institute

2011- 2013 Penn Genomics Frontiers Institute Executive Board

2010 – 2016 Lead PI, International Initiative to Elucidate the Plant Epigenome

2009 - 2013 Epigenetics Program Executive Board, University of Pennsylvania School of Medicine 2008 - Member, School of Medicine, Genomics and Computational Biology Graduate Group

2002 - Trainer, NIH training grants in the University of Pennsylvania Medical School:

Cell and Molecular Biology; Developmental Biology; Genetics and Gene Regulation (

2002 - Member, School of Medicine, Cell and Molecular Biology Graduate Group (since 2002)

2012- Member, American Society for the Advancement of Science

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**Conferences and Workshops organized**

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2018 Concurrent session organizer Epigenetics Session, Plant Biology Conference, Montreal, Canada.

2017 Co-organizer (with Dr. Rick Vierstra), International *Arabidopsis* Conference (ICAR), St. Louis.

2017 Co-organizer, (with Dr. Marja Timmermans) International FASEB conference on Mechanisms in

Plant Development, Saxtons River VT

2016 Session Chair, International Plant Growth Substance Association, Toronto, Canada.

2016 Co-organizer (with Dr. Scott Michaels and Dr. Nathaniel Springer), Keystone Symposium on Plant Epigenetics, Taos NM, February 2016

2015 Co-organizer (with Dr. Francois Roudier), MASC/EPIC workshop ‘Plant Epigenetics and Chromatin Regulation’, ICAR Paris, France.

2015 Co-organizer (with Dr. Xiao-Feng Cao), Cold Spring Harbor Asia Symposium on Plant

Epigenetics and Development, Suzhou China, June 2015

2014 Organizer, workshop on ‘Plant Epigenetics and small RNAs’, ICAR Vancouver, Canada.

2014 Organizer, International Symposium, Epigenetics and Response to Environmental Cues’, University of Pennsylvania.

2013 Co-organizer (with Dr. Liz Dennis), workshop on ‘Epigenomics’, International *Arabidopsis* Conference, Sydney, Australia, June 2013

2012 Session Chair, ‘Systems Biology’, International Plant Molecular Biology (IPMB) Conference,

Jeju Island, South Korea, October 2012

2012 Workshop organizer, ‘Epigenomics’, International *Arabidopsis* Conference, Vienna, Austria, July

2012 Co-organizer (with Dr. Xiao-Feng Cao), International Symposium on Epigenetic Regulation in Higher Plants, Beijing, China.

2012 Co-organizer (with Dr. Rob Martienssen), Workshop on Plant Epigenetics, Plant and Animal ] Genome XX Conference, San Diego, CA.

2011 Organizer, Banbury Conference on Plant Epigenomics.

2011 Organizer, Workshop on ‘Epigenomics’, International *Arabidopsis* Conference, Madison, WI.

2011 Co-organizer (with Dr. Rob Martienssen), Workshop on Plant Epigenetics, Plant and Animal Genome XIX Conference, San Diego, CA.

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**Invited Conference Presentations (last 5 years)**

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2019 Frontiers in Plant Development, Barcelona, Spain

2018 Keystone Symposium on Plant Signaling, Lake Tahoe.

2018 12th congress of International Plant Molecular Biology, Montpellier France, May 2018

2018 25th International Conference of Sexual Plant Reproduction (ICSPR), Chubu Japan, June 2018

2018 28th International Conference on *Arabidopsis* Research (ICAR), Plenary talk, Turku Finland, July 2018 Plant Biology (ASPB), Montreal Canada 2017

2017 26th Plant and Animal Genome Conference, San Diego, CA

2017 76th Society of Developmental Biology Meeting, Minneapolis MN. Plenary talk

2017 Botanical Society Congress, Kiel Germany, Plenary talk.

2017 27th National congress of Biochemistry and Molecular Biology of Plants, Puerta Vallarta, Mexico

2016 Keystone Symposium on Plant Epigenetics, Taos NM.

2016 25th International Plant Growth Substance Association, June 2016 Toronto

2016 27th International Conference on *Arabidopsis* Research (ICAR), Kyungjoo, Korea.

2015 Northwest Developmental Biology meeting, Seattle.

2015 Cold Spring Harbor Asia Symposium ‘Frontiers of Plant Biology--Plant Epigenetics in Growth and Development’, Suzhou, China.

2015 26th International Conference on *Arabidopsis* Research (ICAR) Paris, France.

2015 ASPB meeting (symposium on role of plant hormones), Minneapolis MN.

2015 Gordon Research Conference on Epigenetics, Waltham MA.

2014 Mid-Atlantic ASPB meeting, Delaware University.

2014 Symposium ‘Frontiers in Plant Biology’, Barcelona Spain.

2014 23rd International Conference on Plant Reproduction Research, Porto Portugal.

2014 25th International Conference on *Arabidopsis* Research (ICAR), Vancouver Canada.

2014 Gordon Research Conference on Abiotic Stress, Newry Maine.

2014 Tri-National *Arabidopsis* Research symposium, Heidelberg Germany.

2014 Symposium on plant sexual reproduction, Taipei Taiwan.

2014 NIBB/TLL/MPIPZ Symposium on Plant Development , Cologne Germany.

2013 Virginia Tech Life Science Seminars and Graduate Minisymposium, Keynote.

2013 21st Conference of the International Plant Growth Substances Association (IPGSA), Shanghai, China.

2013 Society for Experimental Biology (SEB) Main Meeting, Valencia, Spain. Session Keynote.

2013 24th International Conference on *Arabidopsis* Research (ICAR) 2013, Sydney Australia, Session

Keynote.

2013 NC Biotechnology Center-sponsored Plant Molecular Biology Retreat, Asheville. Keynote.

2013 Epigenetics symposium Norwich UK.

2013 Plenary speaker, 8th Mexico-USA Plant Biology Symposium.

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**Invited Seminars and Colloquia (last 5 years)**

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2018 University of Wisconsin Madison, Department of Biology

2018 Washington University St. Louis MI, Department of Biology

2018 The Danforth Center St. Louis, MI

2108 Nara Institute, Nara Japan 2018

2018 UC Davis, Genetic Graduate Group Seminar series

2017 UT Austin, Biology Department

2016 ENS Departmental Seminar, INRA Lyon, France

2015 Florida State University, Biology Department

2015 Monsanto, Outside speaker seminar

2014 Universität Potsdam, Germany

2014 Universität Düsseldorf, Germany

2014 Max Planck Institute Tübingen, Germany

2014 Swedish University of Agricultural Sciences, Uppsala, Sweden

2013 Langebio Cinvestav, Irapuato, México

2013 University of Athens Georgia, Departmental Seminar Series

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**Editing and Reviewing**

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2017 - Editor, Current Opinion in Plant Biology

2016 Guest editor, Annual Reviews in Plant Biology,

2016 Guest Editor, Current Opinion in Plant Biology, ‘Growth and Development issue’

2015 Editor Plant Physiology Special issue on Epigenetics

2013 – 2017 Monitoring editor.,Plant Physiology

2010 – 2013 Associate editor, The Arabidopsis Book (2010– present)

2010 - 2016 Associate editor, Frontiers in Plant Biology (2010– 2016)

2010- Guest editor, Proceedings of the National Academy of Sciences

2002- Ad hoc reviewer for numerous journals, including: Science; Genes and Development; Developmental Cell; PNAS; Current Biology; Development; Plant Cell; Plant Journal; MCB; Molecular Plant; PloS Biology; PloS Genetics; Nature; Nature genetics, eLIFE.

2012 NSF IOS/Gates foundation BREAD (Basic Research to Enable Agricultural Development)

2007, 2009, 2016 NSF IOS panel Plant Development

2005 Ad hoc Reviewer, NIH GM, CDF1

2003, 2004, 2009, 2012, 2017 NSF MCB panel, Eukaryotic Gene Expression

2007, 2009, 2016 NSF IOS panel Plant Development, 2007, 2009, 2016

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**Publications**

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**As a principal investigator ^= undergraduate researcher**

**2017**

49. Xiao, J., Run, J. and **Wagner, D.** (2017) Developmental transitions: integrating environmental cues

with hormonal signaling in the chromatin landscape in plants. ***Genome* *Biology***, **18**:88.

48. Bossi.,F., Fan, J., Xiao, J., M., S., Doyle, C., Chandra, L., **Wagner, D.,** and Rhee, S.Y. (2017).

Systematic discovery of novel transcriptional co-regulators identifies a new regulator of organ size control in Arabidopsis thaliana. ***BMC Genomics***18, 480.

47. Xiao, J., Jin, R., Yu, X., Shen, M^., Wagner, J.D., Pai,A.^ Song, C^, Zhuang, M.^, Klasfeld,S., He, C. Matte Santos, A., Helliwell, C., Pruneda Paz, J., Kay, S., Lin, X., Cui, S., Garcia, M.F., Clarenz, O., Goodrich, J., Zhang, X., Austin, R.S., Bonasion, R. and **Wagner D.** (2017). Identification of cis- and trans-determinants of PRC2 recruitment in Arabidopsis. ***Nat Genet.*** *49* (10) 1546-1552 (faculty 1000 recommended) (preview in NG). <https://www.eurekalert.org/pub_releases/2017-08/uop-pbs082117.php>

46. **Wagner, D.** (2017). Key developmental transitions during flower morphogenesis and their regulation.

***Current Opinion in Genetics and Development***45:44-50.

**2016**

45. **Wagner, D**. (2016). Making Flowers at the Right Time. ***Dev Cell*** *37*, 208-210.

44. Weijers, D., and **Wagner, D.** (2016). Transcriptional Responses to the Auxin Hormone. ***Annu Rev***

***Plant Biol*** *67*, 539-574.

43. Xiao, J., Lee, U.S., and **Wagner, D.** (2016). Tug of war: adding and removing histone lysine

methylation in Arabidopsis. ***Curr Opin Plant Biol*** *34*, 41-53.

42. Provart, N.J., Alonso, J., Assmann, S.M., Bergmann, D., Brady, S.M., Brkljacic, J., Browse, J.,

Chapple, C., Colot, V., Cutler, S.*,* Dangl, J., Ehrhardt, D.,Friesner, J. D., Frommer, W. B., Grotewold, E., Meyerowitz, E., Nemhauser, J., Nordborg, M., Pikaard, C. , Shanklin, J., Somerville, C., Stitt, M., Torii, K. U., Waese, J., **Wagner, D**., McCourt, P. (2016). 50 years of Arabidopsis research: highlights and future directions. ***New Phytol.*** 209(3):921-44.

41. Peirats-Llobet, M\*. , Han, S-K\*, Jeong CW, Gonzalez-Guzman, M, Rodriguez, L, Belda-Palazon, B,

**Wagner, D**\*\*and Rodriguez, PL\*\* (2016) A direct link between abscisic acid sensing and the chromatin remodeling ATPase BRAHMA via core ABA signaling pathway components, ***Molecular Plant*** 4;9(1):136-47. \* equal contribution \*\* corresponding authors

40. Yamaguchi N, Jeong CW, Nole-Wilson S, Krizek BA, and **Wagner D** (2016) AINTEGUMENTA

andAINTEGUMENTA-LIKE6/PLETHORA3 induce *LEAFY* expression in response to auxin to promote the onset of flower formation in *Arabidopsis*. ***Plant Physiology***170:283-93.

**2015**

39. Wu MF\*, Yamaguchi N\*, XiaoJ\*, Bargmann B, Estelle M, Sang Y, and Wagner D (2015) Auxin-

regulated chromatin switch directs acquisition of flower primordium founder fate. *eLife* 4:e09269. \* equal contribution. (faculty 1000 recommended) <http://www.eurekalert.org/pub_releases/2015-10/uop-ph101315.php>

38. Winter CM, Yamaguchi N, Wu MF, Wagner D. (2015) Transcriptional program regulated by both

LEAFY and APETALA1 at the time of flower formation *Physiol Plant.*155(1):55-73.

37. Amtmann A, Ma H, Wagner D. (2015) Chromatin and Epigenetics *Plant Physiol.* 168(4):1185-8.

36. Han SK, Wu MF, Cui S, Wagner D. (2015) Roles and Activities of Chromatin remodelers in Plants.

*Plant J.* 83(1):62-77.

35. Yamaguchi, N., Winter C.M., **Wagner, D.** (2015) Identification of direct targets of plant transcription

factors using the GR fusion technique. ***Methods Mol Biol.*** 2015;1284:123-38.

34. Xiao, J. and **Wagner D.** (2015) Polycomb repression in the regulation of growth and development in

*Arabidopsis.* ***Current Opinion in Plant Biology*** 23:15-24.

**2014**

33. De Rybel, B., Adibi, M., Breda, A.S., Wendrich, J.R., Smit, M.E., Novak, O., Yamaguchi, N.,

Yoshida, S., Van Isterdael, G., Palovaara, J Nijsse, B., Boekschoten, M. V., Hooiveld, G., Beeckman, T., **Wagner, D**., Ljung, K., Fleck, C., Weijers, D. (2014). Plant development. Integration of growth and patterning during vascular tissue formation in Arabidopsis. ***Science*** *345*,1255215 (faculty 1000 recommended)

32. Xiao, J., Xu, S., Li, C., Xu, Y., Xing, L., Niu, Y., Huan, Q., Tang, Y., Zhao, C., **Wagner, D**.*,* Gao, C.,

Chong, K. (2014). O-GlcNAc-mediated interaction between VER2 and TaGRP2 elicits TaVRN1 mRNA accumulation during vernalization in winter wheat. ***Nature* *communications*** *5*, 4572. (faculty 1000 recommended).

31. Yamaguchi, N., Wu, M.F., Winter, C., and **Wagner, D.** (2014). LEAFY together with polar auxin

transport coordinates *Arabidopsis* flower development. ***Plants*** *3*, 251-265.

30. Yamaguchi, N., Winter, C., Wu, M-F., Kanno, Y., Yamaguchi, A., Seo, M., and **Wagner, D**. (2014)

Gibberellin acts positively then negatively to control onset of flower formation in *Arabidopsis*.

***Science*** **344**, 638-41. (faculty 1000 recommended) <http://www.eurekalert.org/pub_releases/2014-05/uop-phh050814.php>

29.Vercruyssen,L., Gonzalez,N., Andriankaja, M., Han, S.J., Archacki, R., Verkest, A., Eeckhout, D., Van

Leene, J., De Milde, L., Vermeersch, M., Maleux, K., Jerzmanowski, A., **Wagner, D**., De Jaeger, G., and Inzé D. (2014) ANGUSTIFOLIA 3 binds Arabidopsis SWI/SNF chromatin remodeling complexes to regulate transcription at the switch of shoot developmental programs. ***The Plant Cell*** **26,** 210-29.

28. Yamaguchi, N., Winter, C., William, D. and **Wagner D**. (2014) Chromatin immunoprecipitation for

*Arabidosis* tissues. ***The Arabidopsis Book*.** **12**, 1-9.

27. Han, S.K and Wagner, D. (2014) The role of Chromatin in water stress responses. ***Journal of***

***experimental Botany*,** **65**, 2785-2799*.*

**2013**

26. Efroni, I., Han, S.K., Kim, H.Y., Wu, M.F., Sang, Y., Hong, J.C., Eshed, Y\*., and **Wagner, D\*.** (2013). Regulation of leaf maturation by chromatin-mediated modulation of hormonal responses. ***Developmental* *Cell*.** **24**, 438-445. \*corresponding authors

25. Yamaguchi, N., Wu, M.-F., Winter, C., Berns, M., Nole-Wilson, S., Yamaguchi, A., Coupland, G., Krizek, B., and **Wagner, D**. (2013) Auxin-mediated Initiation of the Flower Primordium. ***Developmental Cell*** **24**, 1–12. (faculty 1000 recommended)

**2012**

24. Han, S.K., Sang, Y., Rodrigues, A., BIOL425F2010^, B., Rodriquez, P.L. and **Wagner, D.** (2012) The SWI2/SNF2 chromatin remodeling ATPase BRAHMA represses Abscisic Acid Responses in the Absence of the Stress Stimulus in *Arabidopsis,* ***Plant Cell*****24** 4892-4906.

23. Wu, M.F., and **Wagner, D.** (2012). RNA in situ hybridization in *Arabidopsis*. ***In Methods in Molecular Biology,*** J. Hailing, and W. Gassmann, eds. (New York, Humana Press), ), 883:75-86. Methods.

22. Sang, Y., Silva-Ortega, C.O., Wu, S., Wu, M.-F., Pfluger, J., Gillmor, C.S., Gallagher, K\*., and **Wagner, D\*.** (2012) Two non-canonical SWI2/SNF2 chromatin remodeling ATPases redundantly control embryogenesis and stem cell maintenance. ***The Plant Journal****,***72** 1000-1014. \*corresponding authors

21. EPIC Planning Committee (2012) (**Wagner D**. corresponding author). Reading the second Code: Mapping Epigenomes to understand Plant Growth, Development and Adaptation to the Environment. ***Plant Cell*** **24** 2257-2261.

20.Yamaguchi, N., Yamaguchi, A., Abe, M., **Wagner, D**., and Komeda, Y. (2012). LEAFY controls Arabidopsis pedicel length and orientation by affecting adaxial-abaxial cell fate. *Plant Journal* **69**, 844-856.

19. Wu, M.F., Sang, Y., Bezhani, S., Yamaguchi, N., Han, S.K., Li, Z.^, Su, Y., Slewinski, T.L., and **Wagner, D.** (2012). SWI2/SNF2 chromatin remodeling ATPases overcome polycomb repression and control floral organ identity with the LEAFY and SEPALLATA3 transcription factors. ***Proceedings of the National Academy of Sciences of the United States of America*****109**, 3576-3581. (faculty 1000 recommended)

**2011**

18. Pastore, J.J., Limpuangthip, A.^, Yamaguchi, N., Wu, M.F., Sang, Y., Han, S.K., Malaspina, L.^, Chavdaroff, N.^, Yamaguchi, A., and **Wagner, D.** (2011). LATE MERISTEM IDENTITY2 acts together with LEAFY to activate *APETALA1*. ***Development*****138**, 3189-3198.

17. Winter, C.M., Austin, R.S., Blanvillain-Baufume, S., Reback, M.A.,^ Monniaux, M., Wu, M.F., Sang, Y., Yamaguchi, A., Yamaguchi, N., Parker, J.E.*,* J.E., Parcy, F., Jensen, S.T., Li, H., and **Wagner, D.** (2011). LEAFY Target Genes Reveal Floral Regulatory Logic, cis Motifs, and a Link to Biotic Stimulus Response. ***Developmental Cell* 20**, 430-443.

16. **Wagner, D**.\*, and Meyerowitz, E. (2011). Switching on flowers: transient LEAFY induction reveals novel aspects of flower development in *Arabidopsis*. ***Frontiers in Plant Science*****2**:60. \* corresponding author

**Prior to 2010**

15. Yamaguchi, A., Wu, M.F., Yang, L., Wu, G., Poethig, R.S., and **Wagner, D.** (2009). The microRNA-regulated SBP-Box transcription factor SPL3 is a direct upstream activator of *LEAFY*, *FRUITFULL*, and *APETALA1*. ***Developmental Cell*****17**, 268-278. (faculty 1000 recommended)

14. Sang, Y., Wu, M.F., and **Wagner, D.** (2009). The stem cell--chromatin connection. ***Seminars in Cell and Developmental Biology* 20**, 1143-1148. Review.

13. **Wagner, D.** (2009). Flower morphogenesis: timing is key. ***Developmental Cell*****16**, 621-622. Preview.

12. Walley, J.W., Rowe, H.C., Xiao, Y., Chehab, E.W., Kliebenstein, D.J., **Wagner, D.**, and Dehesh, K. (2008). The chromatin remodeler SPLAYED regulates specific stress signaling pathways. ***PLoS Pathogens*****4**, e1000237.

11. Bezhani, S., Winter, C., Hershman, S.^, Wagner, J.D., Kennedy, J.F., Kwon, C.S., Pfluger, J., Su, Y., and **Wagner, D.** (2007). Unique, Shared, and Redundant Roles for the *Arabidopsis* SWI/SNF Chromatin Remodeling ATPases BRAHMA and SPLAYED. ***Plant Cell*****19**, 403-416.

10. Kwon, C.S., and **Wagner, D.** (2007). Unwinding chromatin for development and growth: a few genes at a time. ***Trends in Genetics*****23**, 403-412. Review.

9. Kwon, C.S., Hibara, K.I., Pfluger, J., Bezhani, S., Metha, H.^, Aida, M., Tasaka, M., and **Wagner, D.** (2006). A role for chromatin remodeling in regulation of CUC gene expression in the *Arabidopsis* cotyledon boundary. ***Development*****133**, 3223-3230.

8. Saddic, L.A.^, Huvermann, B., Bezhani, S., Su, Y., Winter, C.M., Kwon, C.S., Collum, R.P., and **Wagner, D.** (2006). The LEAFY target LMI1 is a meristem identity regulator and acts together with LEAFY to regulate expression of *CAULIFLOWER*. ***Development* 133**, 1673-1682.

7. Su, Y., Kwon, C.S., Bezhani, S., Huvermann, B., Chen, C., Peragine, A., Kennedy, J.F., and **Wagner, D.** (2006). The N-terminal ATPase AT-hook-containing region of the *Arabidopsis* chromatin-remodeling protein SPLAYED is sufficient for biological activity. ***Plant Journal*****46**, 685-699.

6. Wang, L.-S., **Wagner, D.**, Kwon, C.S., Su, Y., and Kim, J. (2006). Transcriptional target prediction using qualitative reasoning. ***Proceedings of the 28th Annual International Conference of the IEEE Engineering in Medicine and Biology Society***, pp. 3138-3141.

5. Kwon, C.S., Chen, C., and **Wagner, D.** (2005). *WUSCHEL* is a primary target for transcriptional regulation by SPLAYED in dynamic control of stem cell fate in Arabidopsis. ***Genes Development*****19**, 992-1003.

4. **Wagner, D**., Wellmer, F., Dilks, K., William, D.^, Smith, M.R., Kumar, P.P., Riechmann, J.L., Greenland, A.J., and Meyerowitz, E.M. (2004). Floral induction in tissue culture: a system for the analysis of LEAFY-dependent gene regulation. ***Plant Journal*****39**, 273-282.

3. William, D.A.^, Su, Y., Smith, M.R., Lu, M., Baldwin, D.A., and **Wagner, D.** (2004). Genomic identification of direct target genes of LEAFY. *Proceedings of the National Academy of Sciences of the United States of America* **101**, 1775-1780.

2. **Wagner, D.** (2003). Chromatin regulation of plant development. ***Current Opinion in Plant Biology* 6,** 20-28. Review.

1. **Wagner, D.**, Saddic, L.A.^, Lu, M.^, Kim, F.^, Su, Y., William, D.^, and Kwon, C.S. (2003). Meristem identity in Arabidopsis thaliana. ***Flowering Newsletter*** **36**, 25-35. Review.

**As a postdoc**

3. **Wagner, D**., and Meyerowitz, E.M. (2002). SPLAYED, a novel SWI/SNF ATPase homolog, controls reproductive development in Arabidopsis. ***Current Biology*****12**, 85-94.

2. **Wagner, D**., and Sablowski, R.W. (2002). Glucocorticoid Fusions for Transcription Factors. ***In Arabidopsis-A Laboratory Manual*,** D. Weigel, and J. Glazebrook, eds. (Cold Spring Harbor, Cold Spring Harbor Laboratory Press.), 296-300. Methods.

1. **Wagner, D.**, Sablowski, R.W., and Meyerowitz, E.M. (1999). Transcriptional activation of APETALA1 by LEAFY. ***Science*****285**, 582-584.

**As a graduate student**

10. **Wagner, D.,** Hoecker, U., and Quail, P.H. (1997). RED1 is necessary for phytochrome B-mediated

red light-specific signal transduction in *Arabidopsis*. ***Plant Cell*** **9**, 731-743.

9. Janoudi, A.K., Gordon, W.R., **Wagner, D.,** Quail, P., and Poff, K.L. (1997). Multiple phytochromes

are involved in red-light-induced enhancement of first-positive phototropism in *Arabidopsis thaliana*.

***Plant Physiology*** **113**, 975-979.

8. **Wagner, D**., Fairchild, C.D., Kuhn, R.M., and Quail, P.H. (1996). Chromophore-bearing NH2

terminal domains of phytochromes A and B determine their photosensory specificity and differential light

lability**. *Proceedings of the National Academy of Sciences of the United States of America* 93**, 4011-4015.

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**Patent filings**

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Provisional Patent filing for cis and trans determinants of PRC recruitment in plants (Based on Xiao et al., *Nature Genetics* 2017)

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