CURRICULUM VITAE

Detlef Weigel

Director, Department of Molecular Biology
Max Planck Institute for Developmental Biology
Max-Planck-Ring 5
D-72076 Tübingen
GERMANY

Ph +49.7071.601.1411
Em weigel@tue.mpg.de
URL http://weigelworld.org
@PlantEvolution

Date of birth December 15, 1961
Nationality German and USA (naturalized on May 24, 2001)

Education

1989-1993	Research Fellow, Division of Biology, California Institute of Technology, Pasadena, CA | Advisor: Dr. E. M. Meyerowitz
1988-1989	Research Associate, Institute of Genetics, University of Munich, Germany | Advisor: Dr. H. Jäckle
1988	Ph.D. in Genetics, Max Planck Institute of Developmental Biology and Eberhard Karls University, Tübingen, Germany | Advisor: Dr. H. Jäckle
1986	Diploma (M.S.) in Biology, University of Cologne, Germany | Advisor: Dr. J. A. Campos-Ortega

Professional Experience

2007-2009	Executive Director, Max Planck Institute for Developmental Biology, Tübingen, Germany
2004-	Adjunct Professor, Department of Biology, Eberhard Karls University, Tübingen, Germany
2003-	Adjunct Professor, Plant Biology Laboratory, The Salk Institute for Biological Studies, La Jolla, CA
2001-	Director, Department of Molecular Biology, Max Planck Institute for Developmental Biology, Tübingen, Germany
2001-2003	Associate Adjunct Professor, Department of Biology, University of California, San Diego, La Jolla, CA
1999-2002	Associate Professor, Plant Biology Laboratory, The Salk Institute for Biological Studies, La Jolla, CA
1997-2001	Assistant Adjunct Professor, Department of Biology, University of California, San Diego, La Jolla, CA
1993-1999	Assistant Professor, Plant Biology Laboratory, The Salk Institute for Biological Studies, La Jolla, CA

Honors

2019	Barbara McClintock Prize for Plant Genetics and Genome Studies
2016	GSA Medal of the Genetics Society of America
2015	Mendel Medal of the German National Academy of Sciences Leopoldina
2011	Fellow, American Association for the Advancement of Science
2011	State Research Prize of Baden-Württemberg
2010	Corresponding Member, Heidelberg Academy of Sciences and Humanities
2010	Foreign Member, Royal Society of London
2010	Otto Bayer Award of the Bayer Foundation
2009	Member, US National Academy of Sciences
2008	Member, German National Academy of Sciences Leopoldina
2007	Gottfried Wilhelm Leibniz Award of the German Research Council (DFG)
2003	Member, European Molecular Biology Organisation (EMBO)
2001	Charles Albert Shull Award of the American Society of Plant Biologists
1994	National Science Foundation Young Investigator Award
1991	Senior Fellowship, American Cancer Society, California Division

1991	HFSPO Long Term Fellowship (declined)
1989	EMBO Long Term Fellowship
1989	Dieter Rampacher Award of the Max Planck Society (youngest PhD graduate 1988)
1988	Ph.D., "summa cum laude"
1987	Boehringer Ingelheim Fonds Graduate Fellowship
1986	Diploma (M.S.), "summa cum laude"
1981	Studienstiftung des Deutschen Volkes (German National Academic Foundation) Undergraduate Fellowship

Professional Activities

Advisory Boards

2018-	Howard Hughes Medical Institute, Scientific Review Board, Rockville, MD
2017-	KWS Saat SE, Einbeck, Germany
2017-	Helsinki Institute of Life Science (HiLIFE), Finland
2017-2019	Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan
2017-	Grow More Foundation, Stony Brook, NY
2016-	Gemeinschaft zur Förderung von Pflanzeninnovation e. V. (GFPi), Germany
2014-2018	CeMeT, Tübingen, Germany (Co-founder)
2014-2017	ARC Centre of Excellence in Plant Energy Biology, Australia
2012-	Computomics, Tübingen, Germany (Co-founder)
2012-	Max Planck Digital Library, Germany
2010-2020	Sainsbury Laboratory Cambridge University, Cambridge, UK
2010-2012	Bayer Crop Science, Monheim, Germany
2009-2013	GrassRoots Biotechnology, Research Triangle Park, NC
2009-2012	The Arabidopsis Information Resource (TAIR), Palo Alto, CA
2007-	Flanders Institute for Biotechnology (VIB), Gent, Belgium (2012-, Vice Chair; 2018-, Co-chair)
2007-2012	Temasek Life Sciences Laboratory, Singapore (2010-2012, Deputy Chair)
2005-2011	The Sainsbury Laboratory, Norwich, UK
2002-2007	Program in Developmental Biology of Plants, Umeå Plant Science Center, Sweden
1999-2001	Arabidopsis Biological Resource Center, Ohio State University, OH

Community and Institutional Service

2018-2020	Royal Society Sectional Committee 7
2017-2019	EMBO/EMBL Symposia Committee
2016-	Vice Chair, Max Planck Open Access 2020 Steering Committee
2013-2015	Chair, Council, European Molecular Biology Organisation (EMBO)
2012-	Board, Quantitative Biology Center (QBiC), Eberhard Karls University, Tübingen, Germany
2012-	Committee for Research Strategy and Coordination, Eberhard Karls University, Tübingen, Germany
2011	EMBO Ambassador to China
2010-2015	Council, European Molecular Biology Organisation (EMBO)
2005-2008	EMBO Courses, Workshops and Conferences Committee
2003-2005	Committee on Future Research Directions, Biomedical Section of the Max Planck Society
2002-2010	Steering Committee, German Ministry of Education and Research (BMBF) Project "Genome Analysis in the Biological System Plant (GABI)"
2002- 2010	Steering Committee, The Arabidopsis Functional Genomics Network (AFGN) of the DFG, Germany
2001-2008	Board of Directors, International Society for Plant Molecular Biology
2000-2002	Academic Council, The Salk Institute for Biological Studies
1999-2000	Co-chair, North American Arabidopsis Steering Committee
1997-2000	North American Arabidopsis Steering Committee

Meeting Organization

2017	Co-organizer, German Conference on Bioinformatics, Tübingen, Germany
2015	Co-organizer, EMBO Workshop on Mechanisms of Plant Speciation, Åkersberga, Sweden
2013-2016	Co-organizer, EMBO | EMBL Symposium, New Model Systems for Linking Evolution and Ecology, Heidelberg, Germany
2013	Co-chair, International Program Committee, XXI International Congress of Genetics, Singapore
2012	Co-organizer, VIB-Nature Conference on Plant Biology, Gent, Belgium
2010	Co-organizer, Wenner-Gren Foundation Symposium on Adaptive Responses During Plant Development, Kristineberg, Sweden
2009-2013	Co-organizer, CSHL Meeting on Plant Genomes, Cold Spring Harbor, NY
2007	Co-organizer, National Evolutionary Synthesis Center (NESCent) Meeting on Developing New Model Systems for Evolutionary Genomics Using Poeciliid Fishes, Durham, NC
2006	Co-organizer, 3rd Trinational Arabidopsis Meeting, Tübingen, Germany
2005	Co-organizer, Juan March/EMBO Meeting on Plant Stem Cells, Madrid, Spain
2004	Co-organizer, Banbury Conference on RNAi-Related Processes in Plants: Chromatin, Development and Defense, Cold Spring Harbor, NY
2004	Co-organizer, 15th International Arabidopsis Conference, Berlin, Germany
2004	Co-organizer, Keystone Conference on Natural Variation and Quantitative Genetics in Model Organisms, Breckenridge, CO
2003	Co-organizer, EMBO Practical Course in Developmental Genetics, Tübingen, Germany
2000	Co-organizer, 11th International Arabidopsis Conference, Madison, WI

Editorial Boards

2011-	eLife (Deputy Editor)
2011-2015	Annual Review of Cell and Developmental Biology
2010-	Genome Biology
2009-2011	Cell
2007-	Faculty of 1000, Head, Plant-Environment Interaction Section (with Caroline Dean)
2007-2011	Science (Board of Reviewing Editors)
2005-2012	EMBO Journal & EMBO Reports
2005-2009	Current Opinion in Plant Biology (Editor-in-Chief, with Jeff Dangl)
2003-2008	Public Library of Science Biology
2003-2006	Genetics (Associate Editor)
2002-2011	Nature Reviews Genetics (Highlights Advisor)
2001-2011	Developmental Cell
2000-2009	Genes and Development
2000-2006	Genesis
2000-2007	Faculty of 1000, Plant Growth and Development Section
1997-2005	Current Opinion in Plant Biology
1996-2005	Plant Cell (Coeditor)
1996-1997	Genes and Function
1995-2012	Mechanisms of Development

Grant Advisory Panels

2017	Howard Hughes Medical Institute, Investigator review panel (ad hoc member)
2011-2012	Bavarian Research Network for Molecular Biosystems (BioSysNet)
2009-2011	ERC, Life Sciences 8: Evolutionary, Population and Environmental Biology
2004-2005	NIH Genetic Variation and Evolution
2001-2004	GEN-AU, Austrian Genome Project
2001-2004	NIH Genetics
2001	DFG (German Research Council) Arabidopsis Proteome Project
1998-2000	NSF Eukaryotic Genetics
1998	NIH Molecular Biology (ad hoc member)
1996	USDA Plant Growth & Development

Publications

ORCID 0000-0002-2114-7963 • ResearcherID C-1418-2008

Research articles

1. Knust, E., Dietrich, U., Tepass, U., Bremer, K. A., Weigel, D., Vässin, H., and Campos-Ortega, J. A. (1987) EGF homologous sequences encoded in the genome of *Drosophila melanogaster*, and their relation to neurogenic genes. **EMBO J.** *6*, 761-766.
2. Weigel, D., Knust, E., and Campos-Ortega, J. A. (1987) Molecular organization of *master mind*, a neurogenic gene of *Drosophila melanogaster*. **Mol. Gen. Genet.** *207*, 374-384.
3. Rijsewijk, F., Schuermann, M., Wagenaar, E., Parren, P., Weigel, D., and Nusse, R. (1987) The *Drosophila* homolog of the mouse mammary oncogene *int-1* is identical to the segment polarity gene *wingless*. **Cell** *50*, 649-657.
4. De la Concha, A., Dietrich, U., Weigel, D., and Campos-Ortega, J. A. (1988) Functional interactions between neurogenic genes of *Drosophila melanogaster*. **Genetics** *118*, 499-508.
5. Jürgens, G., and Weigel, D. (1988) Terminal versus segmental development in the *Drosophila* embryo: the role of the homeotic gene *fork head*. **Roux´s Arch. Dev. Biol.** *197*, 345-354.
6. Weigel, D., Jürgens, G., Küttner, F., Seifert, E., and Jäckle, H. (1989) The homeotic gene *fork head* encodes a nuclear protein and is expressed in the terminal regions of the *Drosophila* embryo. **Cell** *57*, 645-658.
7. Weigel, D., Bellen, H. J., Jürgens, G., and Jäckle, H. (1989) Primordium specific requirement of the homeotic gene *fork head* in the developing gut of the *Drosophila* embryo. **Roux´s Arch. Dev. Biol.** *198*, 201-210.
8. Weigel, D., Seifert, E., Reuter, D., and Jäckle, H. (1990) Regulatory elements controlling expression of the *Drosophila* homeotic gene *fork head*. **EMBO J.** *9*, 1199-1207.
9. Weigel, D., Jürgens, G., Klingler, M., and Jäckle, H. (1990) Two gap genes mediate maternal terminal pattern information in *Drosophila*. **Science** *248*, 495-498.
10. Gaul, U., and Weigel, D. (1991) Regulation of *Krüppel* expression in the anlage of the Malpighian tubules in the *Drosophila* embryo. **Mech. Dev.** *33*, 57-68.
11. Panzer, S., Weigel, D., and Beckendorf, S. K. (1992) Organogenesis in *Drosophila melanogaster*: Control of embryonic salivary gland determination by homeotic and dorsoventral patterning genes. **Development** *114*, 49-57.
12. Bowman, J. L., Sakai, H., Jack, T., Weigel, D., Mayer, U., and Meyerowitz, E. M. (1992) *SUPERMAN*, a regulator of floral homeotic genes in *Arabidopsis*. **Development** *114*, 599-615.
13. Weigel, D., Alvarez, J., Smyth, D. R., Yanofsky, M. F., and Meyerowitz, E. M. (1992) *LEAFY* controls floral meristem identity in *Arabidopsis*. **Cell** *69*, 843-859.
14. Weigel, D., and Meyerowitz, E. M. (1993) Activation of floral homeotic genes in *Arabidopsis*. **Science** *261*, 1723-1726.
15. Bowman, J. L., Alvarez, J., Weigel, D., Meyerowitz, E. M., and Smyth, D. R. (1993) Control of flower development in *Arabidopsis thaliana* by *APETALA1* and interacting genes. **Development** *119*, 721-743.
16. Brönner, G., Chu-LaGraff, Q., Doe, C. Q., Cohen, B., Weigel, D., Taubert, H., and Jäckle, H. (1994) Sp1/egr-like zinc-finger protein required for endoderm specification and germ layer morphogenesis in *Drosophila*. **Nature** *369*, 664-668.
17. Weigel, D., and Nilsson, O. (1995) A developmental switch sufficient for flower initiation in diverse plants. **Nature** *377*, 495-500.
18. Lee, I., Wolfe, D. S., Nilsson, O., and Weigel, D. (1997) A *LEAFY* co-regulator encoded by *UNUSUAL FLORAL ORGANS*. **Curr. Biol.** *7*, 95-104.

19. Blázquez, M. A., Soowal, L. N. S., Lee, I., and Weigel, D. (1997) *LEAFY* expression and flower initiation in *Arabidopsis*. **Development** *124*, 3835-3844.
20. Hempel, F. D., Weigel, D., Ditta, G., Mandel, M. A., Zambryski, P., Feldman, L. J., and Yanofsky, M. F. (1997) Photoinduction of flowering-gene expression and floral determination in *Arabidopsis*. **Development** *124*, 3845-3853.
21. Blázquez, M. A., Green, R., Nilsson, O., Sussman, M. R., and Weigel, D. (1998) Gibberellins promote flowering of Arabidopsis by activating the *LEAFY* promoter. **Plant Cell** *10*, 791-800
22. Nilsson, O., Lee, I., Blázquez, M. A., and Weigel, D. (1998) Flowering-time genes modulate the response to *LEAFY* activity. **Genetics** *150*, 403-410.
23. Parcy, F., Nilsson, O., Lee, I., Busch, M. A., and Weigel, D. (1998) A genetic framework for floral patterning. **Nature** *395*, 561-566.
24. Nilsson, O., Wu, E., Wolfe, D. S., and Weigel, D. (1998) Ablation of flowers in transgenic *Arabidopsis*. **Plant J.** *15*, 799-804.
25. Aukerman, N. J., Lee, I., Weigel, D., and Amasino, R. M. (1999) The Arabidopsis flowering-time gene *LUMINIDEPENDENS* is expressed primarily in regions of cell proliferation and encodes a nuclear protein that regulates *LEAFY* expression. **Plant J.** *18*, 195-203.
26. Busch, M. A., Bomblies, K., and Weigel, D. (1999) Activation of a floral homeotic gene in *Arabidopsis*. **Science** *285*, 585-587.
27. Blázquez, M. A., and Weigel, D. (1999) Regulation of flowering by phytochrome B and gibberellins in Arabidopsis. **Plant Physiol.** *120*, 1025-1032.
28. Sessions, A., Weigel, D., and Yanofsky, M. F. (1999) The *Arabidopsis thaliana MERISTEM LAYER 1* promoter specifies epidermal expression in meristems and young primordia. **Plant J.** *20*, 259-263.
29. Bomblies, K., Dagenais, N., and Weigel, D. (1999) Redundant enhancers mediate transcriptional repression of *AGAMOUS* by *APETALA2*. **Dev. Biol.** *216*, 260–264.
30. Kardailsky, I., Shukla, V., Ahn, J. H., Dagenais, N., Christensen, S. K., Nguyen, J. T., Chory, J., Harrison, M. J., and Weigel, D. (1999) Activation tagging of the floral inducer *FT*. **Science** *286*, 1962-1965.
31. Christensen, S. K., Dagenais, N., Chory, J., and Weigel, D. (2000) Regulation of auxin response by the protein kinase PINOID. **Cell** *100*, 469-478.
32. Weigel, D., Ahn, J. H., Blázquez, M. A., Borevitz, J., Christensen, S. K., Fankhauser, C., Ferrándiz, C., Kardailsky, I., Malancharuvil, E. J., Neff, M. M., Nguyen, J. T., Sato, S., Wang, Z., Xia, Y., Dixon, R. A., Harrison, M. J., Lamb, C. J., Yanofsky, M. F., and Chory, J. (2000) Activation tagging in Arabidopsis. **Plant Physiol.** *122*, 1003-1014.
33. Blázquez, M. A., and Weigel, D. (2000) Integration of floral inductive signals in *Arabidopsis*. **Nature** *404*, 889-892.
34. Trieu, A. T., Burleigh, S. H., Kardailsky, I. V., Maldonado-Mendoza, I. E., Versaw, W. K., Blaylock, L. A., Shin, H., Chiou, T. J., Katagi, H., Dewbre, G. R., Weigel, D., and Harrison, M. J. (2000) Transformation of *Medicago truncatula* via infiltration of seedlings or flowering plants with *Agrobacterium*. **Plant J.** *22*, 532-541.
35. Sessions, A., Yanofsky, M. F., and Weigel, D. (2000) Cell-cell signaling and movement by the floral transcription factors LEAFY and APETALA1. **Science** *289*, 779-781.
36. He, Z., Zhu, Q., Dabi, T., Li, D., Weigel, D., and Lamb, C. J. (2000) Transformation of rice with the *Arabidopsis* floral regulator *LEAFY* confers early heading. **Transgenic Res.** *9*, 223-227.
37. Zhao, Y., Christensen, S. K., Fankhauser, C., Cashman, J. R., Cohen, J. D., Weigel, D., and Chory, J. (2001) A role for flavin-containing monooxygenases in auxin biosynthesis. **Science** *291*, 306-309.
38. Gocal, G. F. W., King, R. W., Blundell, C. A., Schwartz, O. M., Andersen, C. H., and Weigel, D. (2001) Evolution of floral meristem identity genes: analysis of *Lolium* genes related to *APETALA1* and *LEAFY* of Arabidopsis. **Plant Physiol.** *125*, 1788-1801.
39. Mimida, N., Goto, K., Kobayashi, Y., Araki, T., Ahn, J. H., Weigel, D., Murata, M., Motoyoshi, F., and Sakamoto, W. (2001) Functional divergence of the *TFL1*-like gene family in *Arabidopsis* revealed by characterization of a novel homologue. **Genes Cells** *6*, 327-336.

40. Lohmann, J. U., Hong, R. L., Hobe, M., Busch, M. A., Parcy, F., Simon, R., and Weigel, D. (2001) A molecular link between stem cell regulation and floral patterning in *Arabidopsis*. **Cell** *105*, 793-803.
41. Ahearn, K. P., Johnson, H. A., Weigel, D., and Wagner, D. R. (2001) *NFL1*, a *Nicotiana tabacum LEAFY*-like gene, controls meristem and floral structure. **Plant Cell Physiol.** *42*, 1130-1139.
42. Gocal, G. F. W., Sheldon, C. C., Gubler, F., Moritz, T., Bagnall, B., Li, S. F., Parish, R. W., Dennis, E. S., Weigel, D., and King, R. W. (2001) *GAMYB-like* genes, flowering and gibberellin signaling in Arabidopsis. **Plant Physiol.** *127*, 1682-1693.
43. Maloof, J. N., Borevitz, J. O., Dabi, T., Lutes, J., Nehring, R. B., Redfern, J. L., Trainer, G. T., Wilson, J. M., Asami, T., Berry, C. C., Weigel, D., and Chory, J. (2001) Natural variation of light sensitivity in *Arabidopsis*. **Nat. Genet.** *29*, 441-446.
44. Nordborg, M., Borevitz, J. O., Bergelson, J., Berry, C. C., Chory, J., Hagenblad, J., Kreitman, M., Maloof, J. N., Noyes, T., Oefner, P. J., Stahl, E., and Weigel, D. (2002) The extent of linkage disequilibrium in *Arabidopsis thaliana*. **Nat. Genet.** *30*, 190-193.
45. Yun, J. Y., Weigel, D., and Lee, I. (2002) Ectopic expression of *SUPERMAN* suppresses development of petals and stamens. **Plant Cell Physiol.** *43*, 52-57.
46. Borevitz, J. O., Maloof J. N., Lutes, J., Dabi, T., Redfern, J. L., Trainer, G. T., Werner, J. D., Asami, T., Berry, C. C., Weigel, D., and Chory, J. (2002) Quantitative trait loci controlling light and hormone response in two accessions of *Arabidopsis thaliana*. **Genetics** *160*, 683-696.
47. Parcy, F., Bomblies, K., and Weigel, D. (2002) Interaction of *LEAFY*, *AGAMOUS*, and *TERMINAL FLOWER1* in maintaining floral identity in *Arabidopsis*. **Development** *129*, 2519-2527.
48. Blázquez, M. A., Trénor, M., and Weigel, D. (2002) Independent control of gibberellins and flowering time by the circadian clock in *Arabidopsis*. **Plant Physiol.** *130*, 1770-1775.
49. Blázquez, M. A., Ahn, J. H., and Weigel, D. (2003) A thermosensory pathway controlling flowering time in *Arabidopsis*. **Nat. Genet.** *33*, 168-171.
50. Borevitz, J. O., Liang, D., Plouffe, D., Chang, H.-S., Zhu, T., Weigel, D., Berry, C. C., Winzeler, E., and, Chory, J. (2003) Large scale identification of single feature polymorphisms in complex genomes. **Genome Res.** *13*, 513-523.
51. Hong, R. L., Hamaguchi, L., Busch, M. A., and Weigel, D. (2003) Regulatory elements of the floral homeotic gene *AGAMOUS* identified by phylogenetic footprinting and shadowing. **Plant Cell** *15*, 1296-1309.
52. Durfee, T., Roe, J. L., Sessions R. A., Inouye, C., Serikawa, K., Feldmann, K. A., Weigel, D., and Zambryski, P. C. (2003) The F-box containing protein UFO and *AGAMOUS* participate in antagonistic pathways governing early petal development in *Arabidopsis*. **Proc. Natl. Acad. Sci. USA** *100*, 8571-8576.
53. Wu, X., Dinneny, J., Crawford, K., Zambryski, P., Citovsky, V., and Weigel, D. (2003) Modes of intercellular transcription factor movement in the *Arabidopsis* apex. **Development** *130*, 3735-3745.
54. Alonso, J. M., Stepanova, A. N., Leisse, T. J., Kim, C. J., Chen, H., Shinn, P., Stevenson, D. K., Zimmerman, J., Barajas, P., Cheuk, R., Gadrinab, C., Heller, C., Jeske, A., Koesema, E., Meyers, C. C., Parker, H. Prednis, L., Ansari, Y., Choy, N., Deen, H., Geralt, M., Hazari, N., Hom, E., Karnes, M., Mulholland, C., Ndubaku, R., Schmidt, I., Guzman, P., Aguilar-Henonin, L., Schmid, M., Weigel, D., Carter, D. E., Marchand, T., Risseeuw, E., Brogden, D., Zeko, A., Crosby, W. L., Berry, C. C., and Ecker, J. R. (2003) Global gene functional analysis in Arabidopsis using T-DNA insertional mutagenesis. **Science** *301*, 653-657.
55. Palatnik, J. F., Allen, E., Wu, X., Schommer, C., Schwab, R., Carrington, J. C., and Weigel, D. (2003) Control of leaf morphogenesis by microRNAs. **Nature** *425*, 257-263.
56. Schmid, M., Uhlenhaut, N. H., Godard, F., Demar, M., Bressan, R., Weigel, D., and Lohmann, J. U. (2003) Dissection of floral induction pathways using global expression analysis. **Development** *130*, 6001-6012.
57. Dinneny, J. R., Yadegari, R., Fischer, R. L., Yanofsky, M. F., and Weigel, D. (2004) The role of *JAGGED* in shaping lateral organs. **Development** *131*, 1101-1110.

58. Yoo, S. Y., Kardailsky, I., Lee, J. S., Weigel, D., Ahn, J. H. (2004) Acceleration of flowering by overexpression of *MFT* (*MOTHER OF FT AND TFL1*). **Mol. Cells** *17*, 95-101.
59. Maizel, A., and Weigel, D. (2004) Temporally and spatially controlled induction of gene expression in *Arabidopsis thaliana*. **Plant J.** *38*, 164-171.
60. Hagenblad, J., Tang, C., Molitor, J., Werner, J., Zhao, K., Zheng, H., Marjoram, P., Weigel, D., and Nordborg, M. (2004) Haplotype structure and phenotypic associations in the chromosomal regions surrounding two *Arabidopsis thaliana* flowering time loci. **Genetics** *168*, 1627-1638.
61. Werner, J. D., Borevitz, J. O., Warthmann, N., Trainer, G. T., Ecker, J. R., Chory, J., and Weigel, D. (2005) Quantitative trait locus mapping and DNA array hybridization identify an *FLM* deletion as a cause for natural flowering-time variation. **Proc. Natl. Acad. Sci. USA** *102*, 2460-2465.
62. Yoo, S. Y., Bomblies, K., Yoo, S. K., Yang. J. W., Choi, M. S., Lee, J. S., Weigel, D., and Ahn, J. H. (2005) The 35S promoter used in a selectable marker gene of a plant transformation vector affects the expression of the transgene. **Planta** *221*, 523-530.
63. Wu, X., Dabi, T., and Weigel, D. (2005) Requirement of homeobox gene *STIMPY/WOX9* for Arabidopsis meristem growth and maintenance. **Curr. Biol.** *15*, 436-440.
64. de Folter, S., Immink, R. G. H., Kieffer, Pařenicová, M. L., Henz, S. R., Weigel, D., Busscher, M., Kooiker, M., Colombo, L., Kater, M. M., Davies, Angenent, G. C. (2005) Comprehensive interaction map of the Arabidopsis MADS box transcription factors. **Plant Cell** *17*, 1424-1433.
65. Schmid, M., Davison, T. S., Henz, S. R., Pape, U. J., Demar, M., Vingron, M. Schölkopf, B., Weigel, D., and Lohmann, J. (2005) A gene expression map of *Arabidopsis* development. **Nat. Genet.** *37*, 501-506.
66. Schwab, R., Palatnik, J. F., Riester, M., Schommer, C., Schmid, M., and Weigel, D. (2005) Specific effects of microRNAs on the plant transcriptome. **Dev. Cell** *8*, 517-527.
67. Maizel, A., Busch, M. A., Tanahashi, T., Perkovic, J., Kato, M., Hasebe, M., and Weigel, D. (2005) The floral regulator LEAFY evolves by substitutions in the DNA binding domain. **Science** *308*, 260-263.
68. Werner, J. D., Borevitz, J. O., Uhlenhaut, N. H., Ecker, J. R., Chory, J., and Weigel, D. (2005) *FRIGIDA*-independent variation in flowering time of natural *A. thaliana* accessions. **Genetics** *170*, 1197-1207.
69. Lempe, J., Balasubramanian, S., Sureshkumar, S., Singh, S., Schmid, M., and Weigel, D. (2005) Diversity of flowering responses in wild *Arabidopsis thaliana* strains. **PLoS Genet.** *1*, e6.
70. Wigge, P. A., Kim, M. C., Jaeger, K. E., Busch, W., Schmid, M., Lohmann, J. U., and Weigel, D. (2005) Integration of spatial and temporal information during floral induction in *Arabidopsis*. **Science** *309*, 1056-1059.
71. Lee, J. H., Cho, Y. S., Yoon, H. S., Suh, M. C., Moon, J., Lee, I., Weigel. D., Yun, C. H., and Kim, J. K. (2005) Conservation and divergence of FCA function between *Arabidopsis* and rice. **Plant Mol. Biol.** *58*, 823-838.
72. Dinneny, J. R., Weigel, D., and Yanofsky, M. F. (2005) A genetic framework for fruit patterning in *Arabidopsis*. **Development** *132*, 4687-4696.
73. Dezulian, T., Remmert, M., Palatnik, J., Weigel, D., and Huson, D. (2006) Identification of plant microRNA homologs. **Bioinformatics** *22*, 359-360.
74. Ahn, J. A., Miller, D., Winter, V. J., Banfield, M. J., Lee, J. H., Yoo, S. Y., Henz, S. R., Brady, R. L., and Weigel, D. (2006) A divergent external loop confers antagonistic activity on floral regulators FT and TFL1. **EMBO J.** *25*, 605-614.
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