

CURRICULUM VITAE

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DOB: December 15, 1961
Nationality: German and USA (naturalized)

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:

- 2010 Member, Heidelberg Academy of Sciences and Humanities
- 2010 Foreign Member, Royal Society of London
- 2010 Otto Bayer Award of the Bayer Foundations
- 2009 Member, US National Academy of Sciences
- 2008 Member, German National Academy of Sciences Leopoldina
- 2007-2014 Gottfried Wilhelm Leibniz Award of the German Research Council (DFG)
- 2005 Member, Academia Europaea
- 2003 Member, European Molecular Biology Organization (EMBO)
- 2001 Charles Albert Shull Award of the American Society of Plant Biologists
- 1994-1999 National Science Foundation Young Investigator Award

- 1991-1993 Senior Fellowship, American Cancer Society, California Division
 1991 HFSP Long Term Fellowship (declined)
 1989-1991 EMBO Long Term Fellowship
 1989 Dieter Rampacher Award of the Max Planck Society (youngest PhD graduate 1988)
 1988 Ph.D., "summa cum laude"
 1987-1988 Boehringer Ingelheim Fonds Graduate Fellowship
 1986 Diploma (M.S.), "summa cum laude"
 1981-1986 Studienstiftung des Deutschen Volkes Undergraduate Fellowship

Professional Activities:

Advisory Boards:

- 2010- Department of Ecology and Evolutionary Biology, Princeton University
 2009- Council, European Molecular Biology Organization (EMBO)
 2009- The Arabidopsis Information Resource (TAIR)
 2009- GrassRoots Biotechnology, Inc., Research Triangle Park, NC
 2007- Flanders Institute for Biotechnology (VIB), Gent, Belgium
 2007- Temasek Life Sciences Laboratory, Singapore (2010-, Deputy Chair)
 2007-2010 Sainsbury Laboratory Cambridge University, Cambridge, UK
 2005-2011 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 Service:

- 2010 Co-organizer, Wenner-Gren Foundation Symposium on Adaptive Responses During Plant Development, Kristineberg, Sweden
 2009 Co-organizer, CSHL Meeting on Plant Genomes, Cold Spring Harbor
 2007 Co-organizer, National Evolutionary Synthesis Center (NESCent) Meeting on Developing New Model Systems for Evolutionary Genomics Using Poeciliid Fishes, Durham
 2006 Co-organizer, 3rd Trinationl 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
 2004 Co-organizer, 15th International Arabidopsis Conference, Berlin, Germany
 2004 Co-organizer, Keystone Conference on Natural Variation and Quantitative Genetics in Model Organisms, Breckenridge
 2003 Co-organizer, EMBO Practical Course in Developmental Genetics, Tübingen, Germany
 2003-2005 Committee on Future Research Directions, Biomedical Section of the Max Planck Society
 2002- Steering Committee, German Ministry of Education and Research (BMBF) Project "Genome Analysis in the Biological System Plant (GABI)"
 2002- 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
 2000 Co-organizer, 11th International Arabidopsis Conference, Madison
 1999-2000 Co-chair, North American Arabidopsis Steering Committee
 1997-2000 North American Arabidopsis Steering Committee

Editorial Boards:

- 2010- Genome Biology

2009- Cell
 2007- Faculty of 1000, Head, Plant-Environment Interaction Section (with Caroline Dean)
 2007- Science (Board of Reviewing Editors)
 2005- EMBO Journal and 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- Nature Reviews Genetics (Highlights Advisor)
 2001- 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
 1995-2002 Mechanisms of Development

Grant Advisory Panels:

2009- ERC, Life Sciences 8: Evolutionary, Population and Environmental Biology
 2005-2008 EMBO Courses and Meetings
 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)
 1996 USDA Plant Growth & Development

Publications:

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-LaGriff, 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., Gadriab, 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, Pařenicov, 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. Scholkopf, 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., Uhlentaut, 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.
75. Martyn, U., Weigel, D., and Dreyer, C. (2006) *In vitro* culture of the guppy, *Poecilia reticulata*. **Dev. Dyn.** 235, 617-622.
76. Dinneny, J. R., Weigel, D., and Yanofsky, M. F. (2006) *NUBBIN* and *JAGGED* define stamen and carpel shape in *Arabidopsis*. **Development** 133, 1645-1655.
77. Schwab, R., Ossowski, S., Riester, M., Warthmann, N., and Weigel, D. (2006) Highly specific gene silencing by artificial microRNAs in *Arabidopsis*. **Plant Cell** 18, 1121-1133.
78. Balasubramanian, S., Sureshkumar, S., Agrawal, M., Michael, T. P., Wessinger, C., Maloof, J., Clark, R., Warthmann, N., Chory, J., and Weigel, D. (2006) The PHYTOCHROME C photoreceptor gene mediates natural variation in flowering and growth responses of *Arabidopsis thaliana*. **Nat. Genet.** 38, 711-715.
79. Balasubramanian, S., Sureshkumar, S., Lempe J., and Weigel, D. (2006) Potent induction of *Arabidopsis thaliana* flowering by elevated growth temperature. **PLoS Genet.** 2, e106.
80. Dezulian, T., Schaefer, M., Wiese, R., Weigel, D., and Huson, D. (2006) CrossLink: visualization and exploration of sequence relationships between (micro) RNAs. **Nucl. Acids Res.** 34 (Web Server Issue), W400-W404.

81. Sliwinski, M. K., White, M. A., Maizel, A., Weigel, D., and Baum, D. A. (2006) Evolutionary divergence of *LFY* function in the mustards *Arabidopsis thaliana* and *Leavenworthia crassa*. **Plant Mol. Biol.** 62, 27-289.
82. Hoffmann, M., Tripathi, N., Henz, S. R., Lindholm, A. K., Weigel, D., Breden, F., Dreyer, C. (2007) Opsin gene duplication and diversification in the guppy, a model for sexual selection. **Proc. R. Soc. Lond. B** 274, 33-42.
83. Henz, S. R., Cumbie, J. S., Kasschau, K. D., Lohmann, J. U., Carrington, J. C., Weigel, D., and Schmid, M. (2007) Distinct expression patterns of natural antisense transcripts in *Arabidopsis*. **Plant Physiol.** 144, 1247-1255.
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