

## BIOSKETCH – Eva Huala

### CONTACT INFORMATION

The Arabidopsis Information Resource (TAIR)  
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### EDUCATION

University of California, Santa Cruz, CA	B.A. Biology	June, 1982
Harvard University, Cambridge, MA	Ph.D. Genetics	June, 1990
University of California, Berkeley	Postdoctoral Fellow	1990 - 1996
Carnegie Institution, Stanford, CA	Postdoctoral Fellow	1996 - 1998

### APPOINTMENTS

2008 - **Adjunct Staff**, Carnegie Institution for Science  
2004 - **Director**, The Arabidopsis Information Resource (TAIR), Carnegie Institution  
1999 - 2004 **Head Curator**, The Arabidopsis Information Resource (TAIR), Carnegie Institution  
1998 - 1999 **Curator**, Arabidopsis thaliana Database (AtDB), Stanford University  
1996 - 1998 **Post-doctoral Fellow**, Carnegie Institution, Stanford, CA  
1990 - 1996 **Post-doctoral Fellow**, University of California, Berkeley, CA  
1983 - 1990 **Research Assistant**, Harvard University, Cambridge, MA

### PUBLICATIONS

Swarbreck D, Wilks C, Lamesch P, Berardini TZ, Garcia-Hernandez M, Foerster H, Li D, Meyer T, Muller R, Ploetz L, Radenbaugh A, Singh S, Swing V, Tissier C, Zhang P, **Huala E** (2008) The Arabidopsis Information Resource (TAIR): gene structure and function annotation. *Nucleic Acids Res.* 36:D1009-14

Schlueter SD, Wilkerson MD, **Huala E**, Rhee SY, Brendel V (2005) Community-based gene structure annotation. *Trends in Plant Sci.* 10:9-14

Berardini TZ, Mundodi S, Reiser L, **Huala E**, Garcia-Hernandez M, Zhang P, Mueller LA, Yoon J, Doyle A, Lander G, Moseyko N, Yoo D, Xu I, Zoeckler B, Montoya M, Miller N, Weems D, Rhee SY (2004) Functional annotation of the Arabidopsis genome using controlled vocabularies. *Plant Physiol.* 135:745-755

Weems D, Miller N, Garcia-Hernandez M, **Huala E**, Rhee SY (2004) Design, implementation, and maintenance of a model organism database for *Arabidopsis thaliana*. *Comparative and Functional Genomics.* 5(4):362-369.

Rhee SY, Beavis W, Berardini TZ, Chen G, Dixon D, Doyle A, Garcia-Hernandez M, **Huala E**, Lander G, Montoya M, Miller N, Mueller LA, Mundodi S, Reiser L, Tacklind J, Weems DC, Wu Y, Xu I, Yoo D, Yoon J, Zhang P. (2003) The Arabidopsis Information Resource (TAIR): a model organism database providing a centralized, curated gateway to Arabidopsis biology, research materials and community. *Nucl. Acids Res.* 31(1):224-8

Garcia-Hernandez M, Berardini T Z, Chen G, Crist D, Doyle A, **Huala E**, Knee E, Lambrecht M, Miller N, Mueller LA, Mundodi S, Reiser L, Rhee SY, Scholl R, Tacklind J, Weems DC, Wu Y, Xu I, Yoo D, Yoon J, Zhang P (2002) TAIR: a resource for integrated Arabidopsis data. *Functional and Integrative Genomics* 2:239-53

- Huala E**, Dickerman AW, Garcia-Hernandez M, Weems DC, Reiser L, LaFond F, Hanley D, Kiphart D, Zhuang M, Huang W, Mueller L, Bhattacharayya D, Bhaya D, Sobral B, Beavis BW, Meinke DW, Town CD, Somerville C, Rhee SY (2000). The Arabidopsis Information Resource (TAIR): A comprehensive database and web-based information retrieval, analysis and visualization system for a model plant. *Nucl Acids Res.* 29:102-105
- Briggs, WR, **Huala E** (1999) Blue-light photoreceptors in higher plants. *Annual Review of Cell and Developmental Biology* 15:33-62
- Huala E**, Oeller PW, Liscum E, Han IS, Larsen E, Briggs WR (1997) Arabidopsis NPH1: a protein kinase with a putative redox-sensing domain. *Science* 278:2120-23
- Huala E**, Sussex IM. (1993) Determination and Cell Interactions in Reproductive Meristems. *Plant Cell* 5(10):1157-1165
- Huala E**, Sussex IM (1992) LEAFY Interacts with Floral Homeotic Genes to Regulate Arabidopsis Floral Development. *Plant Cell* 4(8):901-913
- Huala E**, Stigter J, Ausubel FM (1992) The central domain of *Rhizobium leguminosarum* DctD functions independently to activate transcription. *J. Bacteriol.* 174(4):1428-31
- Huala E**, Moon AL, Ausubel FM (1991) Aerobic inactivation of *Rhizobium meliloti* NifA in *Escherichia coli* is mediated by lon and two newly identified genes, snoB and snoC. *J Bacteriol.* Jan;173(1):382-90
- Huala E**, Ausubel FM. The central domain of *Rhizobium meliloti* NifA is sufficient to activate transcription from the *R. meliloti* nifH promoter. *J Bacteriol.* 1989 Jun;171(6):3354-65.
- Albright LM, **Huala E**, Ausubel FM. Prokaryotic signal transduction mediated by sensor and regulator protein pairs. *Annu Rev Genet.* 1989;23:311-36
- Mandoli DF, Tepperman J, **Huala E**, Briggs WR. Photobiology of Diagravitropic Maize Roots. *Plant Physiol.* 1984 Jun;75(2):359-363

#### **SYNERGISTIC ACTIVITIES**

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| 2009         | Member, Editorial Board for Biocuration  |
| 2009         | Member, Evaluating Committee of the Genetics and Plant Breeding Division (DGAP), INRA, Versailles, France. |
| 2008         | Visiting Committee Member, Unité de Recherche Génomique-Informatique, Evry, France.                        |
| 2007         | Science Fair judge, J.L.S. Middle School, Palo Alto Unified School District                                |
| 2005-present | Member, Multinational Arabidopsis Steering Committee and Co-Chair, Phenomics subcommittee.                 |

#### **GRADUATE AND POST-DOCTORAL ADVISORS:**

- Fred Ausubel, (Harvard University), Graduate Advisor  
 Ian Sussex (Yale University), Postdoctoral Advisor  
 Winslow Briggs (Carnegie Institution of Washington), Postdoctoral Advisor