

## **CURRICULUM VITAE (Publication)**

Hong Huang, Ph.D.

School of Information,  
University of South Florida  
4202 E. Fowler Ave., CIS1040, Tampa, FL  
Voice: (813) 974 3520  
Fax: (813) 974 6840  
Email: honghuang@usf.edu  
Homepage: <http://honghuang.myweb.usf.edu>

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## **Education**

Ph.D., (2005-2010) Library and Information Studies, Florida State University, Tallahassee, FL  
M.S., (2001-2004) Computer Science, Florida State University, Tallahassee, FL  
M.S., (1999-2001) Plant Genetics, Florida A&M University, Tallahassee, FL  
B.S., (1992-1996) Biochemistry, Zhongshan (Sun Yetsen) University, Guangzhou, China

## **Academic Professional Experience**

2015-present Associate Professor, School of Information, University of South Florida  
2010- 2015 Assistant Professor, School of Information, University of South Florida  
2005- 2010 Research Collaborator, School of Library and Information Studies,  
Florida State University  
2004-2009 Bioinformatics Specialist, College of Engineering Sciences, Technology and  
Agriculture, Florida A&M University  
2001-2003 Graduate Assistant, Department of Computer Science, Florida State University

## Publications

### *Refereed Journal Papers*

- Chu S., **Huang H.**, Wong W., Ginneken W., Wu K., Miu Y. (2018). Quality and clarity of health information on Q&A sites (Accepted). *Library & Information Science Research*. [ISI Impact Factor: 1.69].
- Huang H. (2017). Big data to knowledge— harnessing semiotic relationships of data quality and skills in genome curation work. (10.1177/0165551517748291). *Journal of Information Science*. [ISI Impact Factor: 1.37].
- **Huang H.**, Chu S.K., Liu Y.Y., and Zheng Y. (2017). Understanding user-librarian interaction types in academic library microblogging: A comparison study in Twitter and Weibo. (doi.org/10.1016/j.acalib.2017.06.002). *Journal of Academic Librarianship*. [ISI Impact Factor: 1.18].
- Yoon J., **Huang H.**, Kim S. (2017). Trends in health information-seeking behaviours in the U.S. foreign-born population based on the Health Information National Trends Survey, 2005 – 2014 (In press). *Information Research*. [ISI Impact Factor: 0.84].
- Lu Y., Figler B., **Huang H.**, Tu Y., Wang J. Cheng F. (2017). Characterization of the mechanism of drug-drug interactions from PubMed using MeSH terms. (doi.org/10.1371/journal.pone.0173548). *PLOS ONE*. [ISI Impact Factor: 4.13].
- Su C., Deng W., Jan F., Chang C., **Huang H.**, Shih T., Chen J. (2016). *Xylella taiwanensis* sp. nov. cause of pear leaf scorch disease in Taiwan. (Accepted), (doi: 10.1099/ijsem.0.001426.), *International Journal of Systematic and Evolutionary Microbiology*. [ISI Impact Factor: 2.80].
- Su Y., Andrews J., **Huang H.**, Wang Y., Kong L., Cannon P., Xu P. (2016). Reengineering of MeSH thesauri for term selection to optimize literature retrieval and

knowledge reconstruction in support of stem cell research. (doi: 10.1186/s12911-016-0298-z), *BMC Medical Informatics and Decision Making*. [ISI Impact Factor: 1.83].

- Salihu H., Das R., Morton L., **Huang H.**, Paothong A., Wilson R., Aliyu M., Salemi J., Marty P. (2016) Racial differences in DNA–Methylation of CpG sites within preterm–promoting genes and gene variants. (Accepted). (doi: 10.1007/s10995-016-1967-3.), *Maternal and Child Health Journal*. [ISI Impact Factor: 2.08].
- Bai, W. F., Xu, W. C., Zhu, H. X., **Huang, H.**, Wu, B., & Zhang, M. S. (2016). Efficacy of 50 Hz electromagnetic fields on human epidermal stem cell transplantation seeded in collagen sponge scaffolds for wound healing in a murine model. (Accepted). (10.1002/bem.22029), *Bioelectromagnetics*. [ISI Impact Factor: 2.32].
- Lu Y., Shen D., Pietsch M., Nagar C., Fadli Z., **Huang H.**, Tu Y., Cheng F. (2015). A novel algorithm for analyzing drug-drug interactions from MEDLINE literature. *Scientific Reports* (doi:10.1038/srep17357).

*Scientific Reports* is an online, open access journal from the publishers of *Nature*.

[ISI Impact Factor: 5.58].

- Hong W., Wu Z., Fang Z., Huang, J., **Huang H.**, & Hong M. (2015). Amino acid residues in the putative transmembrane domain 11 of human organic anion transporting polypeptide 1B1 dictate transporter substrate binding, stability and trafficking. *Molecular pharmaceuticals*. pubmed/26562723 [ISI Impact Factor: 4.38].
- Bastian F.B., Chibucos M., Gaudet P., Giglio M., Holliday G.L., **Huang H.**, Lewis S., Niknejad A., Orchard S., Poux S., Skunca N., Robinson-Rechavi M. (2015). The Confidence Information Ontology: a step towards a standard for asserting confidence in annotations. *Database: The Journal of Biological Databases and Curation* (doi: 10.1093/database/bav043). [ISI Impact Factor: 4.60].
- **Huang H.**, Clancy K., Zhu Y., Burhance C., & Madrigal L. (2015). Women who deliver twins are more likely to smoke and have high frequencies of specific SNPs: results from

a sample of African-American women who delivered pre-term, low birth weight babies. *American Journal of Human Biology*. (doi: 10.1002/ajhb.22723). [ISI Impact Factor: 2.16].

**Media Reports — e.g., ScienceDaily — as “Featured Research”**

Smoking and mother's genetics combine to increase likelihood of twins.

Retrieved April 17, 2015 from [www.sciencedaily.com/releases/2015/04/150417103741.htm](http://www.sciencedaily.com/releases/2015/04/150417103741.htm)

- Huang H. (2015). Domain knowledge and data quality perceptions in genome curation work. *Journal of Documentation*, 71 (1), 116-142. [ISI Impact Factor: 1.40].
- **Huang, H.**, Jörgensen, C., & Stvilia, B. (2015). Genomics data roles, skills, and perception of data quality. *Library & Information Science Research* (doi:10.1016/j.lisr.2014.08.003). [ISI Impact Factor: 1.52].
- **Huang H.**, Chu S.K., & Chen D.Y. (2014). Interactions between English-speaking and Chinese-speaking users and librarians on Social Networking Sites. *Journal of the American Society for Information Science and Technology* (DOI: 10.1002/asi.23251). [ISI Impact Factor: 2.11].
- Su C., Deng W., Jan F., Chang C., **Huang H.**, & Chen J. (2014). Draft genome sequence of *Xylella fastidiosa* pear leaf scorch strain in Taiwan. *Genome Announcements*, 2(2):e00166-14. doi:10.1128/genomeA.00166-14.
- **Huang H.**, Apouey B., & Andrews J. (2014). Racial and ethnic disparities in awareness of genetic testing among online users: Internet use, health knowledge and socio-demographics correlates. *Journal of Consumer Health on the Internet*, 18(1), 15-30.
- **Huang H.**, & Jörgensen C. (2013). Characterizing user tagging and co-occurring metadata in general and specialized metadata collections. *Journal of the American Society for Information Science and Technology*, 64(9), 1878-1889. [ISI Impact Factor: 2.11].

- Chen J., **Huang H.**, Chang C.J., & Stenger D.C. (2013). Draft Genome Sequence of *Xylella fastidiosa* subsp. multiplex strain Griffin-1 from *Quercus rubra* in Georgia, U.S.A. *Genome Announcements*, 1(5):e00756-13. doi:10.1128/genomeA.00756-13.
- Reese J, Christenson MK, Leng N, Saha S, Cantarel B, Lindeberg M, Tamborindeguy C, MacCarthy J, Weaver D, Trease AJ, Ready SV, Davis VM, McCormick C, Haudenschild C, Han S, Johnson SL, Shelby KS, **Huang H.**, Bextine BR, Shatters RG, Hall DG, Davis PH, & Hunter WB. (2013). Characterization of the Asian Citrus Psyllid Transcriptome. *Journal of Genomics*, 2, 54-58. doi:10.7150/jgen.7692, PMID:PMC3914308.
- Huang, J., Li, N., Hong, W., Zhan, K., Yu, X., **Huang, H.**, & Hong, M. (2013). Conserved Tryptophan Residues within Putative Transmembrane Domain 6 Affect Transport Function of Organic Anion Transporting Polypeptide 1B1. *Molecular pharmacology*, (doi:10.1124/mol.113.085977). [ISI Impact Factor: 4.88].
- Li X., Liang L., Zhao, P., Uchida, K., Baba, H., **Huang H.**, Bai W., Bai L., & Zhang M. (2013). The effects of adenoviral transfection of the keratinocyte growth factor gene on epidermal stem cells: An *in vitro* study, *Molecules and Cells*, 36(4):316-321. [ISI Impact Factor: 2.08].
- **Huang H.**, & Li Y. (2013). MASTtreedist: Visualization of phylogenetic tree space based on Maximum Agreement Subtree. *Journal of Computational Biology*, 20(1):42-49. [ISI Impact Factor: 1.73].
- Chan Y., **Huang H.** (2013). Weight management information overload challenges in 2007 HINTS: socioeconomic, health status & behaviors correlates. *Journal of Consumer Health on the Internet*, 17(2):151-167.
- Bai W., Xu W., Feng Y., **Huang H.**, Li X., Deng C., & Zhang M. (2013). Fifty-Hertz electromagnetic fields facilitate the induction of rat bone mesenchymal stromal cells to

differentiate into functional neurons. *Cytotherapy*, 15(8): 961-970. (*Front page featured article*), [ISI Impact factor: 3.28].

- **Huang H.**, Stvilia B., Jørgensen C., & Bass H. (2012). Prioritization of data quality dimensions and skills requirements in genome annotation work. *Journal of the American Society for Information Science and Technology*, 613(1): 195-207, (DOI: 10.1002/asi.21652). [ISI Impact Factor: 2.11].
- **Huang H.**, Andrews J., & Tang J. (2012). Citation characterization and impact normalization in bioinformatics journals. *Journal of the American Society for Information Science and Technology*, 613(3):490-497, (DOI: 10.1002/asi.21707). [ISI Impact Factor: 2.11].
- **Huang H.**, Chan Y., & Dong F. (2012). Health numeracy confidence among racial ethnic minorities in HINTS 2007: socio-demographic, attitudinal, and knowledge correlates. *Literacy and Numeracy Studies* , 20(2).
- Li N., Hong W., **Huang H.**, Lu H., Lin G., & Hong M. (2012). Identification of amino acids essential for estrone-3-sulfate transport within transmembrane domain 2 of organic anion transporting Polypeptide 1B1. *PLoS ONE*, 7(5): e36647. doi:10.1371/journal.pone.0036647. [ISI Impact Factor: 4.24].
- Saha S., Hunter W.B., Reese J. Morgan J.K., Marutani-Hert M., **Huang H.**, & Lindeberg M. (2012). Survey of Endosymbionts in the *Diaphorina citri* Metagenome and assembly of a *Wolbachia* wDi draft genome. *PLoS ONE*, 7(11), e50067. doi:10.1371/journal.pone.0050067. [ISI Impact Factor: 4.24].
- Yao J., Hong W., Huang J., Zhan K., **Huang H.**, & Hong M. (2012). N-glycosylation dictates proper processing of organic anion transporting polypeptide 1B1. *PLoS ONE*, 7(12):e52563. Doi:10.1371/journal.pone.0052563. [ISI Impact Factor: 4.24].

- Bai W., Zhang M., **Huang H.**, Zhu H., & Xu W. (2012). Effects of 50 Hz electromagnetic fields on human epidermal stem cells cultured on collagen sponge scaffolds, *International Journal of Radiation Biology*, 88(7):523-30, (doi: 10.3109/09553002.2012.692496). [ISI Impact Factor: 2.12].
- Zhang M., Li X., Bai L., Kenzo U., Bai W., Xu W., Zhu H., & **Huang H.** (2013). Effects of low frequency electromagnetic field on proliferation of human epidermal stem cells: An in vitro study. *BioelectroMagnetics*, 34(1):74-80, (doi: 10.1002/bem.21747). [ISI Impact Factor: 2.32].
- **Huang H.**, Lu J., Xu X., Yang X., Liang S., & Wu J. (2012). EST-SSRs characterization and in-silico genome mapping in grapes (*Vitis L.*) *Genes & Genomics*, 34:19-26, (DOI: 10.1007/s13258-011-0121-2). [ ISI Impact Factor: 0.57].
- **Huang H.**, & Tang J. (2012). Library and information science oriented bioinformatics education in North America (北美生物情报学研究生培养现状与发展). *Library and Information Service*, 56(18):1-6. In Chinese.
- **Huang H.**, Lu J., Hunter W., & Liang S., (2011). Using IBM Content Manager for genomic data annotation and quality assurance tasks. *IBM Journal of Research and Development*, 55(6), (DOI: 10.1147/JRD.2011.2172837). [ISI Impact Factor: 2.44].
- Yang X., Ye Y., Wang G., **Huang H.**, & Liang S. (2011). VeryGene: linking tissue-specific genes to diseases, drugs and beyond for knowledge discovery. *Physiological Genomics*, 43(8):457-460, (doi:10.1152/physiolgenomics.00178.2010). [ISI Impact Factor: 3.48].
- **Huang H.**, Lu J., Hunter W., Dowd S., & Dang P. (2011). Mining and validating grape (*Vitis L.*) ESTs to develop EST-SSR markers for genotyping and mapping. *Molecular Breeding*, 28(2): 241-254, (DOI: 10.1007/s11032-010-9477-2). [ISI Impact Factor: 3.30].
- Wu J., Zhang Y., Zhang H., **Huang H.**, Folta K., & Lu J. (2010). Whole genome wide

expression profiles of *Vitis amurensis* grape responding to downy mildew by using Solexa sequencing technology. *BMC Plant Biology*, 10:234. (**Highly accessed**). [ISI Impact Factor: 4.77].

### *Refereed Conference Proceedings*

- Cheng K.P.C., Leung C.K., Mok J.C.Y., Datu J.A., Valdez, J.P.M., Unsworth K., **Huang H.**, Chan A., Ng C., Chu D., Chu S.K.W. (2017). The effects of BeNetWise program on youth media literacy: A mixed methods research. (10.1002/pr2.2017.14505401053). *Proceeding of the American Society for Information Science & Technology*, Washington D.C.
- **Huang H.**, Yu H., Andrews J., Yoon J., Burgess K. (2017). Uncovering hidden behavioral patterns in the era of “We Media”: Modeling spatio-temporal dynamics for Twitter News, (Accepted). Proceeding of 2017 iConference, Wuhan, China.
- Charland G., **Huang H.**, Li Y., L Y. (2017). Ethos, Pathos and Logos – A typology for analyzing tweeting comments in scholarly articles, (Accepted). Proceeding of 2017 iConference, Wuhan, China.
- Wong M., **Huang H.**, Chu KW. (2014). Cross-cultural quality comparison of online health information for elderly care in Yahoo! Answers (Full paper). *Proceeding of the American Society for Information Science & Technology*, DOI: 10.1002/meet.2014.14505101055.
- Luesebrink M., **Huang H.**, Bogdan, K., Salo, D., Thomas, C., West, J., Wilson, L. (2014). Curation and policy issues in collaborative research data management communities: perspectives from key stakeholders (Short paper). *Proceeding of the American Society for Information Science & Technology*, DOI: 10.1002/meet.2014.14505101024.



- **Huang H.**, & Qin J. (2013). Understanding metadata functional requirements in genome curation work (Short paper). *Proceeding of the American Society for Information Science & Technology*, 50: 1–4. doi: 10.1002/meet.14505001124.
- **Huang H.**, Stvilia B., & Jørgensen C. (2012). Curation roles and perceived priorities for data quality dimensions and skills in genome curation work (Short paper). *Proceeding of the American Society for Information Science & Technology*, 49(1):1-4, DOI: 10.1002/meet.14504901312.
- Xu, X., Lu, J., RoH, J. H., Ren, Z., & **Huang, H.** (2011). Screening for Crown Gall Disease resistance in various grapevine cuttings inoculated by *Agrobacterium Vitis* C493 and C4612. *Proceeding of the Florida State Horticultural Society*, 124:4-6.
- **Huang H.**, Lu J., Hunter W., Dowd S., Katsar C., & Jørgensen, C. (2009). Development of a grape genomics database using IBM DB2 Content Manager solution. *Acta Horticulturae*, 827:87-92.
- Xu X., Lu J., Dalling D. **Huang H.**, & Louime C. (2008). Application of embryo rescue in grape cultivar development. *Proceeding of Florida State Horticulture Society*, 121:38-41.
- Lu J., **Huang H.**, Bradley F., & Hunter W. (2007). Towards identification, isolation and characterization of disease resistant genes from the Native American grape. *Acta Horticulturae*, 738: 767-772.
- **Huang H.**, Lu J., & Hunter W. (2007). Comparative sequence and functional analysis of stilbene synthase genes among *Vitis* species. *Acta Horticulturae*, 738: 755-758.
- **Huang H.**, Lu J., Ren Z., & Hunter, W. (2005). Development of gape EST-SSR markers for genotyping and mapping disease resistant genes. *The 1<sup>st</sup> Proceeding of International Grape Genomics Symposium*, 66-67, St Louis, Missouri, USA.

- Lu J., **Huang H.**, Ren Z., Bradley F., & Hunter W. (2005). Comparative genomics analysis between *V. Shuttleworthii* and *V. Vinifera* grapes. *The 1<sup>st</sup> Proceeding of International Grape Genomics Symposium*, 69-71, St Louis, Missouri, USA.
- **Huang H.**, Lu J., Bradley F., & Hunter W. (2005). Discovery of cSNP between *Vitis shuttleworthii* and *Vitis vinifera* 'Cabernet Sauvignon' ESTs and prediction of subsequent changes of amino acids and protein function. *The 1<sup>st</sup> Proceeding of International Grape Genomics Symposium*, 68-69, St Louis, Missouri, USA.
- Xu X., **Huang H.**, & Lu J. (2002). Investigating the *Xylella Fastidiosa* in Pierce's Disease resistant and susceptible grapevines. *Proceeding of Florida State Horticulture Society*, 115:105-108.
- **Huang H.**, & Lu J. (2000). Variation and correlation of bud breaking, flower opening and fruit ripening in muscadine grape cultivars. *Proceeding of Florida State Horticulture Society*, 113:46-47.

### **Books**

- Tang J. & **Huang H.** et al. (Eds). (2012) Practical issues in library personalized knowledge service (图书馆个性化知识服务的实践与技术), Science Press, Beijing, China (ISBN: 978-7-03-035997-1).

### **Book Chapters**

- Huang H. (2012). Information service support for data quality assurance, scholarly communication, and data curation in the U.S Academic Libraries (美国学科图书馆对数据质量控制、科学家协作以及数字监管的信息服务尝试). In Tang J. & Huang H., et al.,

Practical issues in Library Personalized Knowledge Service (pp. 3-8), Science Press, Beijing, China (ISBN: 978-7-03-035997-1).

### *Refereed Conference Abstracts/Presentations*

- Franco L., Fong D., Rohlsen D., **Huang H.**, Tu Y., Cheng F. (2018). Automated text mining algorithm to identify drug side effects and drug-drug interactions from Yahoo! Answers. . USF Health Research Day 2015.
- Kilian K., **Huang H.**, Mardigal L., Clancy K. (2018). Genomic areas associated with MZ twinning differ from those associated with DZ twinning. The 87<sup>th</sup> Annual Conference for American Association for Physical Anthropologists. (Accepted). April 11, 2018, Austin, TX.
- Huang H. (2017). Toward a fruitful publication. Presented in “Conducting successful research: from problem identification to research and from outcome to translation in the field of information”. A workshop in Annual Conference for the Association for Information Science & Technology, Washington DC.
- Wang M., **Huang H.**, Chu KW., Andrews J. (2017). Comparing English and Chinese preprint papers through observing the latest research trends in the area of “Artificial Intelligence”. CITE Research Symposium 2017, Hong Kong.
- Hernandez, E., Chu S., and **Huang H.** (2016). Victorious Battle! Public library's educational value delivered through original librarian created Book Battle Program. America Library Association Annual Meeting, Orlando, Florida, USA.
- Yoon J., Kim S., **Huang H.** (2016). Trends in foreign-born populations’ health information seeking behaviors: from Health Information National Trends Survey 2005-

2014. Association for Library and Information Science Education Annual Meeting  
Poster, Boston, MA.

- Hernandez E., Chu KW., Huang H. (2016). Battle the slide: Why not fulfill our mission. *In Youth Service in Public Library*, Florida Library Association Annual Meeting Presentation, Daytona Beach, FL.
- Gryzinski G., Lu Y., Huang H., Cheng F. (2016). System analysis of Yahoo! Answers questions about Azithromycin's side effects. USF Research Day Undergraduate Research.
- Hamami S., Lu Y., Huang H., Cheng F. (2016). Analysis of Yahoo! Answers questions regarding Hypertension medication, Lisinopril. USF Research Day Undergraduate Research.
- Nagar C., Lu Y., **Huang H.**, Cheng F. (2015). Identification of drug-drug interactions by mining the NCBI PubMed database. USF Health Research Day 2015.
- Wong M., **Huang H.**, Chu KW. (November 2, 2014). Cross-cultural quality comparison of online health information for elderly care on Yahoo! Answers. Paper will be presented in the Annual Conference for the Association for Information Science & Technology, Seattle, WA.
- Luesebrink M., **Huang H.**, Bogdan, K., Salo, D., Thomas, C., West, J., Wilson, L. (November 4, 2014). Curation and policy issues in collaborative research data management communities: perspectives from key stakeholders. Panel discussion will be presented in the Annual Conference for the Association for Information Science & Technology, Seattle, WA.
- Madrigal L., Clancy K., **Huang H.**, Zhu Y., Burhance C., & Flansburg C. (2014). Factors associated with spontaneous multiple pregnancies in a sample of women who delivered

preterm, low birth weight babies. The 83rd Annual Meeting of the American Association of Physical Anthropologists, Calgary, Alberta, Canada.

- **Huang H.**, & Qin J. (2013). Understanding metadata functional requirements in genome curation work. American Society for Information Science & Technology Annual Meeting, Montreal, Canada.
- **Huang H.**, Andrews J., Yoon J., Cannon P., Pearce F., Cho M., & Chung, E. (2013). Twitter activity following the Supreme Court Gene Patent Decision. The fifth Consumer Genetics Conference, Boston, MA.
- Cannon P., Andrews J., & **Huang H.** (2013). Information behaviors of women at risk for HBOC and who have undergone BRCA Testing. The fifth Consumer Genetics Conference, Boston, MA.
- Salihu H., Morton L., **Huang H.**, Mbah A., Salemi J., & Whiteman V.(2013). Racial differences in DNA-Methylation of CpG sites within preterm-promoting genes and gene variants. The 33rd Society for Maternal Fetal Medicine Annual Conference, San Francisco, CA.
- Wong W.N.M., Chu S.K.W., Hung G.M.Y & **Huang, H.** (2013). Quality evaluation of geriatric health information on Yahoo! Answers. Paper presented at the CITE Research Symposium 2013, Hong Kong.
- Zheng Y., Liu Y., Chu S.K.W., & **Huang H.** (2013). Interaction between librarians and library users on Twitter and Weibo. Paper presented at the CITE Research Symposium 2013, Hong Kong.
- Reese J, Christenson MK, Leng N, Saha S, Cantarel B, Lindeberg M, Tamborindeguy C, MacCarthy J, Weaver D, Trease AJ, Ready SV, Davis VM, McCormick C, Haudenschild C, Han S, Johnson SL, Shelby KS, **Huang H.**, Bextine BR, Shatters RG, Hall DG, Davis

PH, & Hunter WB. (2013). Genomic and bioinformatic resources for Psyllid research. In PAG Asia 2013. Plant and Animal Genome conference, Singapore.

- **Huang H.**, Stvilia B., & Jørgensen C. (2012). Curation roles and perceived priorities for data quality dimensions and skills in genome curation work. The American Society for Information Science & Technology Annual Meeting, Baltimore, MD.
- Li Y., & **Huang H.** (2012). Functional described ontologies for biological data integration and curation. The Fifth International Biocuration Conference, Washington DC.
- Chen J., & **Huang H.** (2012). Detecting small RNAs in *Xylella fastidiosa*. American Phytopathological Society Conference Abstracts, *Phytopathology*. 102:S422.
- Chen J., & **Huang H.** (2011). Searching for small RNAs in *Xylella fastidiosa* genome. American Phytopathological Society Conference Abstracts, *Phytopathology*, 101:S34.
- Chen J., & **Huang H.** (2011). Small RNAs in *Xylella fastidiosa* and their epidemiological applications. California CFDA Pierce's Disease Research Symposium, Sacramento, CA.
- **Huang H.** (2011). Reusing genome wide association data in EMR for clinical decision support improvement. American Telemedicine Association Conference, Tampa, FL.
- **Huang H.**, Stvilia B., & Jørgensen C. (2010). Perception of "quality" in genome annotation. Association for Library and Information Science Education Conference, Boston, MA.
- Xu, X., Lu J. Ren Z., **Huang H.**, Musingo M., & James N. (2009). Storage temperature, postharvest texture, and shelf life of muscadine Grapes. 15th Association of Research Directors Symposium. Atlanta, GA.
- Lu J., **Huang H.**, Louime C. & Hunter W., (2008). Identification of disease defense- and stress- related genes in Muscadine grape through EST analysis. Plant and Animal Genome XVI Conference, San Diego, California.

- **Huang H.** (2008). Building the capacity of bioinformatics research and teaching: an integrated approach. Principal Investigator Research Conference/Workshop, Agricultural Research Service (ARS), USDA, Washington DC, USA.
- **Huang, H.,** Lu, J., Hunter, W.B., & Dowd, S.E. (2007). Vitigene: A database for grape genomics and genetic resources delivery that benefits grape growers and scientific communities. In: Proceedings of the 2007 College of Engineering Sciences, Technology and Agriculture Research Symposium.
- Lu, J., **Huang, H.,** Louime, C., Xu, S., Ren, Z., Bradeley, F., Hunter, W.B., & Dang, P.M. (2007). Using functional genomics approaches for identification, isolation and characterization of genetic targets: A case study of disease/pest resistant genes from native North American grape species (*Vitis L.*). In: Proceedings of the 2007 College of Engineering Sciences, Technology and Agriculture Research Symposium, October 25, 2007, Tallahassee, Florida.
- Louime C., Keun Y., **Huang H.,** & Lu J. (2007). New genomic strategies for the identification of genes involved in grape Anthracnose (*Elsinoe ampelina*) disease resistance, Southern Association of Agricultural Scientists Annual Meeting, Mobile, AL.
- Louime, C., Lu, J., **Huang, H.** & Ukeimann, H., (2007). Molecular approaches for structural characterization of Chalcone Synthase: cDNA cloning, molecular modeling and comparative sequence analysis among *Vitis* species, In Proceedings of the American Society of Plant Biologist, Chicago, IL.
- Lu J. , **Huang H.,** Hunter W., Deng P., & Louime C., (2007). Application of functional genomic approaches for gene discovery from North American grape species, Southern Association of Agricultural Scientists Annual Meeting, Mobile, AL.

- **Huang H.**, & Jørgensen C. (2006). Tag distribution analysis using the Power Law to evaluate social tagging systems- a case study in the Flickr database, 17th Annual ASIS&T Conference SIG/CR Classification Research Workshop, Austin, Texas.
- Lu J., **Huang H.**, Hunter W., & Dang P. (2006). Identification and functional annotation of unique EST sequences between *V. Shuttleworthii* and *V. Vinifera* Grapes. Plant and Animal Genome XIV Conference, San Diego, California.
- **Huang H.**, Lu J., Hunter W., & Dang P. (2006). Sequence annotation and comparison for key enzymes related to biosynthesis of stilbene and anthocyanin in grapes (*Vitis L.*). Plant and Animal Genome XIV Conference, San Diego, California.
- Bradley F., **Huang H.**, & Lu J. (2006). Development of SNP markers and application for genotyping and gene mapping in grapes (*Vitis L.*). 14th Association of Research Directors Symposium. Atlanta, GA.
- Lu J., **Huang H.**, Hunter W., & Dang P. (2005). Mining microsatellites from a *Vitis Shuttleworthii* EST database for the development of EST-SSR markers for disease resistance. Plant and Animal Genome XIII Conference, San Diego, California.
- Bradley F., **Huang H.**, Lu J., Hunter W., & Dang P. (2005). Identification of single nucleotide polymorphisms between *Vitis Shuttleworthii* and *Vitis Vinifera* 'Cabernet Sauvignon' ESTs for development of potential disease resistant marker. Plant and Animal Genome XII Conference, San Diego, California.
- **Huang H.**, Lu J., Hunter W., & Dang P. (2005). Microsatellite (SSR) frequency and distribution among the grape ESTs and identification of disease related EST-SSRs. Plant and Animal Genome XII Conference, San Diego, California.
- **Huang H.** (2005). Development of Grape EST-SSR markers for genotyping and mapping disease resistant genes. The 1st International Grape Genomics Symposium, St Louis, Missouri, USA.



- Lu J., **Huang H.**, Hunter W., & Dang P. (2005). Towards to identifying Pierce's disease resistant genes from a Native American grape species *Vitis Shuttleworthii* – a genomics approach. Proceedings of Pierce's Disease Research Symposium.
- Lu J., **Huang H.**, Hunter W., & Dang P. (2004). Comparison of function annotation, conservation orthologs and multigene families analysis between *Vitis Shuttleworthii* ESTs and Arabidopsis genome sequences. American Plant Biology Meeting, Orlando, Florida, USA.
- **Huang H.**, Lu J., Hunter W., & Dang P. (2004). Comparative analysis of transcriptional profiling in *Xylella fastidiosa* using microarray. *American Plant Biology Meeting*, Orlando, Florida, USA.
- Lu J. , **Huang H.**, Hunter W., & Deng P., (2004). Comparative analysis of unique Expressed Sequence Tags (ESTs) among *Vitis* species and their functional annotation against Arabidopsis genome *American Plant Biology Meeting*, Orlando, Florida, USA.
- Lu J., **Huang H.**, Hunter W., & Dang P. (2004). Preliminary pathogenesis-relative pathways network analysis and relative putative genes annotation in *Vitis Shuttleworthii* grape through EST analysis. *Hortscience*, 39(4):756.
- Lu J., **Huang H.**, Hunter W., & Dang P. (2004). Identification of disease defense- and stress –related genes in the grape *Vitis Shuttleworthii* though EST analysis, Plant and Animal Genome XII Conference, San Diego, California.
- **Huang H.**, & Lu J. (2001). Genetic and biochemical analysis of anthocyanin in Muscadine Grape, *Hortscience*, 36(3):490.

### *Conference Talks & Presentations*

- Huang H. (June 23, 2016). Victorious Battle! Public Library's Educational Value delivered through Original Librarian created Book Battle Program. With Edenia Hernandez and Sam Chu, Panel Speaker in America Library Association Annual Meeting, Orlando, Florida, USA.
- Huang H. (March 3, 2016). Battle the slide: Why not fulfill our mission. *In Youth Service in Public Library*, with Edenia Hernandez and Sam Chu, Florida Library Association Annual Meeting, Daytona Beach, Florida, USA.
- Huang H. (November 4, 2014). Institutional repositories: opportunities and challenges for scientific data curation, *In Data Management Panel: Curation and policy issues in collaborative research data management communities: perspectives from key stakeholders*, 77<sup>th</sup> Annual meeting for the Association for Information Science and Technology, Seattle, Washington, USA.
- Huang H. (August 4, 2008). Building the capacity of bioinformatics research and teaching: an integrated approach. Principal Investigator Research Conference/Workshop, Agricultural Research Service (ARS), USDA, August 4, 2008, Washington DC, USA.
- Huang H. (May, 2007) Comparative genomics information resources development that accelerating grape production. The VIII Plant Genomics in China Conference, Shanghai, China.
- Huang H. (July, 17, 2007) Bioinformatics in grape genomics: getting ready for the genome. Applied Grape Genomics Conference, Davis, California, USA.
- Huang H. (May, 24, 2006) Native American species genomics resource database development: An IBM DB2 Content Manager approach. USDA and FAMU Science of Excellence Program, Athens, Georgia, USA.

- Huang H. (July 14, 2005) Development of Grape EST-SSR markers for genotyping and mapping disease resistant genes. The 1<sup>st</sup> International Grape Genomics Symposium, July 14, 2005. St Louis, Missouri, USA.
- Huang H. (January, 14, 2000). Variation of bud breaking, flower opening and fruit ripening in muscadine grape cultivars. Association of Research Directors, Inc. 12<sup>th</sup> Biennial Research Symposium. Washington D.C.

### Computer Skills

**Programming:** C, Unix script, Perl, Matlab, Java, C++, JavaScript, Parscal, J2EE, Servlet, JavaBeans, Cobol, SQL, Html, SAS, STATA, SPSS, R, etc.

**Algorithm/Statistical methods:** K-Mean, Edge Detection, Clustering, Face recognition, Lamport, Robinson-Foulds, Neighbor Jointing, Maximum Weight Clique, MCMC, MAST, BLASTN, WU-BLAST.

**Application:** Tomcat, Apache, Websphere/DB2, MYSQL, Codewarrior IDE, Ant.

**Operating System:** Linux, Red Hat, AS/400, Windows2000/NT, Mac.

### Language Fluency

Mandarin, Cantonese, English, and entry-level of Spanish and French