

## **CURRICULUM VITAE (Web)**

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### **Education**

Ph.D., 2010, Information Studies, Florida State University, Tallahassee, FL  
M.S., 2004, Computer Science, Florida State University, Tallahassee, FL  
M.S., 2001, Plant Genetics, Florida A&M University, Tallahassee, FL  
B.S., 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

### **Peer Reviewed Publication**

- Rathke, B. Han Y. **Huang H.** (2023). What remains now that the fear has passed: Developmental Trajectory Analysis of COVID-19 Pandemic for co-occurrences of Twitter, Google Trends, and Public Health Data, *Disaster Medicine and Public Health Preparedness*, (DOI:10.1017/dmp.2023.101). (ISI Impact Factor:5.6).

- **Huang H.**, Han Y., Li W., Ma J. (2023). Using Technology Acceptance Model to analyse the successful crowdfunding learning game campaigns. *Information Technologies and Learning Tools*. <https://doi.org/10.33407/itlt.v95i3.5236>.
- Bui D., Li W. **Huang H.** (2023). CarGameAR: An Integrated AR car game authoring interface for custom-built car programmed on Arduino Board. *The 7th International Conference on Graphics and Signal Processing*, Fujisawa, Japan. (DOI:10.1145/3606283.3606293).
- Hamzy, M. A., Zhang, S., **Huang, H.**, & Li, W. (2023). Creative NFT-Copyrighted AR face mask authoring using Unity3D Editor. *The 7th International Conference on E-Commerce, E-Business and E-Government*, Plymouth, UK. (DOI:10.1145/3599609.3599635).
- **Huang H.**, Qin J. (2022). Metadata functional requirements for genomic data practice and curation. *Information Research*, (Accepted). [ISI Impact Factor:0.78]
- Owusu G., Yu H., **Huang H.** (2022). The temporal dynamics for areal-based co-occurrence COVID-19 trajectories, *AIMS Public Health*, 9(4): 703-717. (DOI: 10.3934/publichealth.2022049).
- Oduro M., Yu H., **Huang H.** (2022). Entrepreneurship success: predicting crowdfunding campaigns using model-based machine learning methods. *International Journal of Crowd Science*, 6(1), 7-16. IEEE.org. (DOI:10.26599/IJCS.2022.9100003).
- **Huang H.**, Li Y. (2021). Exploring the motivation of livestreamed users in learning computer programming and coding. *The Electronic Journal of e-Learning*, 19(5), 363-375. (DOI:10.34190/ejel.19.5.2470).
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- Woods C., Yu H., **Huang H.** (2020). Predicting the success of entrepreneurial campaigns in crowdfunding: A spatio-temporal approach. 9(13). *Journal of Innovation and Entrepreneurship*, [Spring Open-Access]. (DOI:10.1186/s13731-020-00122-8)
- Kim S., **Huang H.**, Yoon J. (2020). A profile of Non-Seekers of health information among the U.S. foreign-born population. 8(1), 68. *Journal of Information Science Theory and Practice*. (DOI:10.1633/JISTaP.2020.8.1.6)
- **Huang H.**, Tse S., Chu S., Xiao X., Lam J., Ng R., Hui S. (2019). The correlation between out-of-school and in-school reading resources with primary school students' reading attainment. ([informationr.net/ir/24-3/paper834.html](http://informationr.net/ir/24-3/paper834.html)). *Information Research*. [ISI Impact Factor: 0.84].
- Reynolds, R., Chu, S., Ahn, J., Buckingham Shum, S., Hansen, P., Haythornthwaite, C., **Huang, H.**, Meyers, E.M. and Rieh, S.Y., (2019). Inaugural issue perspectives on information and learning sciences as an integral scholarly nexus. *Information and Learning Sciences*, 120(1/2), 2-18. (DOI:10.1108/ILS-01-2019-138).
- Huang, H. (2019). Unraveling scientists' multiple data roles dealing with genomic data. *Proceedings of the Association for Information Science and Technology*, 55(1), 830-831. (DOI:10.1002/pr2.2018.14505501135).
- Chu S., **Huang H.**, Wong W., Ginneken W., Wu K., Miu Y. (2018). Quality and clarity of health information on Q&A sites. ([doi.org/10.1016/j.lisr.2018.09.005](https://doi.org/10.1016/j.lisr.2018.09.005)). *Library & Information Science Research*. [ISI Impact Factor: 1.69].
- Huang, H. (2018). Big data to knowledge–Harnessing semiotic relationships of data quality and skills in genome curation work. (DOI:10.1177/0165551517748291). *Journal of Information Science*, 44(6), 785-801. [ISI Impact Factor: 3.28].
- **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].

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- Bai, W. F., Xu, W. C., Zhu, H. X., **Huang, H.**, Wu, B., & Zhang, M. S. (2017). Efficacy of 50 Hz electromagnetic fields on human epidermal stem cell transplantation seeded in collagen sponge scaffolds for wound healing in a murine model. (10.1002/bem.22029), *Bioelectromagnetics*. [ISI Impact Factor: 2.32].
- Cheng, K. P., Leung, C. K., Mok, J. C., Datu, J. A. D., Valdez, J. P. M., **Huang, H.**, ... & Chu, S. K. W. (2017). The effects of BeNetWise program on youth media literacy: A mixed methods research. *Proceedings of the Association for Information Science and Technology*, 54(1), 487-490. <https://doi.org/10.1002/pr2.2017.14505401053>.
- **Huang, H.**, Yu, H., Andrews, J. E., Yoon, J., & Burgess, K. L. (2017). Uncovering hidden behavioral patterns in the era of “we media”: Modeling spatio-temporal dynamics for twitter news. *iConference 2017 Proceedings*. <https://hdl.handle.net/2142/96703>,
- Charland, G., **Huang, H.**, Li, Y., & Li, Y. (2017). Ethos, pathos and logos—A typology for analyzing tweeting comments in scholarly articles. *iConference 2017 Proceedings*. <https://hdl.handle.net/2142/96690>.

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- 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. (doi: 10.1007/s10995-016-1967-3.), *Maternal and Child Health Journal*. [ISI Impact Factor: 2.08].
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- 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 pharmaceutics*. pubmed/26562723 [ISI Impact Factor: 4.38].
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- **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.

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- **Huang, H.**, Jørgensen, 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].
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- **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.
- Wong M., **Huang H.**, Chu KW. (2014). Cross-cultural quality comparison of online health information for elderly care in Yahoo! Answers. *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. *Proceeding of the American Society for Information Science & Technology*, DOI: 10.1002/meet.2014.14505101024.

- **Huang H.**, & Jørgensen 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.
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- 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].

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- 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].
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- 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].
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- 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.**, & 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.**, 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.
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- 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].
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- 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.

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- 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.
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### **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*

- Koerner L. Relly K., **Huang H.**, Bhaskar S., Madrigal L.(2020). Confirming an old-husband's tale: The frequency of same-sex twinning increases across the generations, following a Fragile X-syndrome-like pattern. The 89<sup>th</sup> Annual Conference for American Association for Physical Anthropologists. Los Angeles, CA.
- Yu H., Woods C., **Huang H.** (2019). Predicting the success of a crowdfunding campaign: Spatial Location-Based Trajectory Modeling. 2019 Symposium on Data Science & Statistics. Bellevue, Washington.
- Kilian K., Basha S., Clancy K., **Huang H.**, Mardigal L. (2019) The MZ SNP: A Xq27.2 region associated with prostate cancer is also associated with monozygotic twinning. The 88<sup>th</sup> Annual Conference for American Association for Physical Anthropologists. Cleveland, OH.
- 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.
- **Huang H.**, Kilian K., Clancy K., Mardigal L. (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). 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.
- Salihi 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.
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- 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.

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- **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.

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- **Huang H.**, & Lu J. (2001). Genetic and biochemical analysis of anthocyanin in Muscadine Grape, *Hortscience*, 36(3):490.

### *Conference Talks & Presentations*

- Huang H. (2018). Understanding scientist’s data requirement- refining strategies and policies in genomic data curation. Invited talk for the 2nd International Conference for Information Management and Libraries, 2018, Lahore, Pakistan.
- 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.
- 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, Python 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