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EDUCATION

Stanford University Ph.D. in Bioengineering. Advisor: Dr. Stephen R. Quake Thesis: Single-Cell and Single-Chromosome Genomics: Technologies and Applications	2008.09 - 2014.01
Peking University B.S. in Chemistry. Advisor: Dr. Yanyi Huang Thesis: A Chip-To-Chip Nanoliter Microfluidic Dispenser	2004.09 - 2008.06

EMPLOYMENT

Tsinghua University , Beijing, China Assistant Professor, School of Life Sciences and Center for Life Sciences	2015.08 - present
Agenovir Corporation , Palo Alto, United States Consulting Scientist	2015.01 - 2015.08
Stanford University , Stanford, United States Postdoctoral Scholar, Laboratory of Dr. Stephen R. Quake	2014.01 - 2015.01

HONORS AND AWARDS

Thousand Young Talents Program (Chinese Government)	2016 - 2018
HHMI International Student Research Fellowship (Howard Hughes Medical Institute)	2011 - 2013
Siebel Scholar (Siebel Foundation)	2011 - 2012
China Scholarship Council Postgraduate Scholarship (China Scholarship Council)	2008 - 2012
Yang Fuqing & Wang Yangyuan Academician Scholarship (Peking University)	2007
Guanghua Scholarship (Peking University)	2006
Silver Sail Award for the Top Adolescents in Beijing (Beijing Education Committee)	2004
Fourth Place in Biochemistry , 55 th Intel International Science and Engineering Fair	2004

PEER REVIEWED PUBLICATIONS

14. PA Underhill, GD Poznik, S Rootsi, M Järve, AA Lin, **J Wang**, et al. (2015). The phylogenetic and geographic structure of Y-chromosome haplogroup R1a. *European Journal of Human Genetics*, 23(1), 124-31.
13. **J Wang**, SR Quake. (2014). RNA-guided endonuclease provides a therapeutic strategy to cure latent herpesviridae infection. *Proc. Natl. Acad. Sci. USA.*, 111(36), 13157-62.
12. CFA de Bourcy, I De Vlamincq, JN Kanbar, **J Wang**, C Gawad, SR Quake. (2014). A Quantitative Comparison of Single-Cell Whole Genome Amplification Methods. *PLoS ONE*, 9(8), e105585.
11. **J Wang**, HC Fan, B Behr, SR Quake. (2012). Genome-wide single-cell analysis of recombination activity and de novo mutation rates in human sperm. *Cell*, 150(2), 402-12.
10. HC Fan, W Gu, **J Wang**, YJ Blumenfeld, YY El-Sayed, SR Quake. (2012). Non-invasive prenatal measurement of the fetal genome. *Nature*, 487(7407), 320-4.
9. Y Men, Q Yu, Z Chen, **J Wang**, Y Huang, H Guo. (2012). A high-throughput imaging system to quantitatively analyze the growth dynamics of plant seedlings. *Integrative Biology*, 4(8), 945-52.
8. C Zheng, J Wang, Y Pang, **J Wang**, W Li, Z Ge, et al. (2012). High-throughput immunoassay through in-channel microfluidic patterning. *Lab Chip*, 12(14), 2487-90.

7. P Dalerba, T Kalisky, D Sahoo, PS Rajendran, ME Rothenberg, AA Leyrat, S Sim, J Okamoto, DM Johnston, D Qian, M Zabala, J Bueno, NF Neff, **J Wang**, et al. (2011). Single-cell dissection of transcriptional heterogeneity in human colon tumors. *Nat Biotechnol*, 29(12), 1120-7.
6. X Xu, H Nagarajan, NE Lewis, S Pan, Z Cai, X Liu, W Chen, M Xie, W Wang, S Hammond, MR Andersen, NF Neff, B Passarelli, W Koh, HC Fan, **J Wang**, et al. (2011). The Genomic Sequence of the Chinese Hamster Ovary (CHO)-K1 Cell Line. *Nat Biotechnol*, 29(8), 735-41.
5. HC Fan, **J Wang**, PA, SR Quake. (2011). Whole Genome Molecular Haplotyping of Single Cells. *Nat Biotechnol*, 29(1), 51-7.
4. **J Wang**, Y Zhou, H Qiu, H Huang, C Sun, J Xi, et al. (2009). A chip-to-chip nanoliter microfluidic dispenser. *Lab Chip*, 9(13), 1831-5.
3. L Li, **J Wang**, S Zhou, M Zhao. (2008). Development and characterization of an immunoaffinity monolith for selective on-line extraction of bisphenol A from environmental water samples. *Anal Chim Acta*, 620(1-2), 1-7.
2. Z Chen, L Xu, Y Liang, **J Wang**, M Zhao, Y Li. (2008). Polyethylene glycol diacrylate-based supermacroporous monolithic cryogel as high-performance liquid chromatography stationary phase for protein and polymeric nanoparticle separation. *J Chromatogr A*, 1182(1), 128-31.
1. **J Wang**, HX Wang, TB Ng. (2007). A peptide with HIV-1 reverse transcriptase inhibitory activity from the medicinal mushroom *Russula paludosa*. *Peptides*, 28(3), 560-5.

PATENTS AND APPLICATIONS

3. SR Quake, **J Wang**, Compositions And Methods Of Delivering Treatments For Latent Viral Infections, US Patent Application Number 14/725,943, PCT Number PCT/US2015/033180.
2. SR Quake, **J Wang**, Compositions And Methods To Treat Latent Viral Infections, US Patent Application Number 14/790,748, PCT Number PCT/US2015/033186.
1. MF Clarke, SR Quake, P Dalerba, H Liu, AA Leyrat, T Kalisky, M Diehn, ME Rothenberg, **J Wang**, N Lobo, Methods And Systems For Analysis Of Single Cells, US Patent Application Number 13/811,065, PCT Number PCT/US2011/044574.

SELECTED INVITED TALKS

Cold Spring Harbor Asia Conference: Systems Biology of Gene Regulation and Genome Editing, Suzhou, China, 2014
Cold Spring Harbor Asia Conference: High Throughput Biology, Genomics and Epigenomics, Suzhou, China, 2012
Stanford Photonics Research Center 2012 Annual Symposium, Stanford, United States, 2012.

SELECTED INVITED SEMINARS

Xi'an Jiaotong University, School of Life Science and Technology, Xi'an, China, 2015.
Peking University, College of Chemistry and Molecular Engineering, Beijing, China, 2014.
Peking University, Biodynamics Optical Imaging Center, Beijing, China, 2014.

SERVICES

Reviewer for: GigaScience, Integrated Biology, Nature Communications, PLoS ONE, PNAS, Scientific Reports.

TEACHING

Tsinghua University, 80450492: Genomics and Functional Genomics (2 lecture hours), 2015.
Stanford University, Teaching Assistant for BIOE370A: Microfluidic Device Laboratory, 2009 - 2010.

ADVISING

PhD Students

Meijie DU (Life Sciences), 2015 -
Bo WU (CLS), 2015 -