

BIOGRAPHICAL SKETCH

NAME Huan Wang	POSITION TITLE Postdoctoral research associate		
eRA COMMONS USER NAME (credential, e.g., agency login) WANGHUANS			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Zhejiang University, Hangzhou, China	S.B	07/2006	Biotechnology
Chinese University of Hong Kong, Hong Kong, China			Biological Sciences
University of Colorado, Boulder, CO	Ph.D.	05/2013	Molecular, Cellular and Developmental Biology
University of Colorado, Boulder, CO	Postdoc		Tissue Engineering
Harvard Medical School	Postdoc		Systems Pharmacology

1. Variances from Ordinary Career Progression

NONE.

2. Positions/Employment, Memberships and Honors

Positions/Employment

2006-2013 Graduate student with Dr. Leslie Leinwand and Dr. Kristi Anseth, Department of Molecular, Cellular and Developmental Biology, University of Colorado at Boulder, USA

2013-2014 Postdoctoral associate with Dr. Kristi Anseth, Department of Chemical Engineering, University of Colorado at Boulder, USA

2014- Postdoctoral associate with Dr. Peter Sorger, Department of Systems Biology, Harvard Medical School, Boston, USA

Honors

2004-2005 Fellowship for exchange student to the Chinese University of Hong Kong.
*This fellowship was awarded to 2 students in the College of Life Sciences in Zhejiang University.

2002-2004 First-class fellowship for outstanding student awarded by Zhejiang University for two consecutive years. *This honor was awarded annually to the students ranked top 3% in the department (~150 students).

Memberships

2013-2014 Member, Society for Biomaterials

2014- Member, American Heart Association

2013- Ad-hoc Reviewer for *PLoS One*.

3. Peer Reviewed Publications

1. **Wang H**, Haeger SM, Kloxin AK, Leinwand LA and Anseth KS. Redirecting valvular myofibroblasts into dormant fibroblasts through light-mediated reduction in substrate modulus. **PLoS ONE** 7(7):e39969 (2012).
2. **Wang H**, Tibbitt MW, Langer SJ, Leinwand LA and Anseth KS. Hydrogels preserve inactivated fibroblast phenotype of valvular interstitial cells through an elasticity-regulated PI3K/AKT pathway. **Proceedings of the National Academy of Sciences USA**, 110 (48): 19336-19341 (2013).
3. **Wang H**, Sridhar B, Leinwand LA, Anseth KS. Characterization of cell subpopulations expressing progenitor cell markers in porcine cardiac valves. **PLoS ONE** 8(7): e69667 (2013).
4. **Wang H**, Leinwand LA and Anseth KS. Cardiac valve cells and their microenvironment—insights from *in vitro* studies, **Nature Reviews Cardiology** 11, 715–727 (2014).
5. **Wang H**, Leinwand LA and Anseth KS. Roles of TGF- β 1 and OB-cadherin in cardiac valve myofibroblast differentiation, **The FASEB Journal**, 28:4551-4562 (2014).

4. Research Support

NONE