BIOGRAPHICAL SKETCH

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NAME	POSITION TITLE
Lan, Feng	Postdoctoral Fellow
eRA COMMONS USER NAME	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Central University of Nationality, China	B.S.	2000-04	Biology
Peking University, China	Ph.D.	2004-09	Cell Biology

A. Positions & Honors.

Positions and Employment:

2004-2009 PhD Graduate School, Stem Cell Research Center, Department of Cell Biology, Peking University.

2009- Postdoctoral Fellow, Dept of Medicine & Radiology, Stanford University

Honors and Awards:

2001 Scholarship for Outstanding Merits

2002 Scholarship for Outstanding Merits

2003 Cai Guanshen Scholarship

2004 Scholarship for Outstanding Merits

2008 Merit Student of Peking University

B. Peer-Reviewed Manuscripts

1) **Lan F**, Lee AS, Liang P, Sanchez-Freire V, Nguyen PK , Wang L, Han L, Yen M, Wang Y, Sun N, Abilez OJ, Navarrete EG, Wheeler M, Lewis R, Yamaguchi Y, Ashley EA, Bers DM, Robbins RC, Longaker MT, Wu JC. Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells. *Cell Stem Cell.* 2013;12:101-113

2) Hu S, Wilson K., Ghosh Z, Han L, Wang Y, **Lan F**, Ransohoff KJ, and Wu JC. MicroRNA-302 Increases Reprogramming Efficiency via Repression of NR2F2. *Stem Cells.* **2012**

3) Wang Y, Zhang WY, Hu S, **Lan F**, Lee AS, Huber B, Lisowski L, Liang P, Huang M, de Almeida PE, Won JH, Sun N, Robbins RC, Kay MA, Urnov FD, Wu JC. Genome editing of human embryonic stem cells and induced pluripotent stem cells with zinc finger nuclease for cellular imaging. *Circ Res*. 2012;111:1494-1503

4) **Lan F**, Liu J, Narsinh KH, Hu S, Han L, Lee AS, Karow M, Nguyen PK, Nag D, Calos MP, Robbins RC, Wu JC. Safe genetic modification of cardiac stem cells using a site-specific integration technique. *Circulation.* 2012;126:S20-28

5) Mohsin S, Khan M, Toko H, Bailey B, Cottage CT, Wallach K, Nag D, Lee A, Siddiqi S, **Lan F**, Fischer KM, Gude N, Quijada P, Avitabile D, Truffa S, Collins B, Dembitsky W, Wu JC, Sussman MA. Human cardiac progenitor cells engineered with pim-i kinase enhance myocardial repair. *J Am Coll Cardiol*. 2012;60:1278-1287

6) Liu J, Narsinh KH, **Lan F (Co-first author),** Wang L, Nguyen PK, Hu S, Lee A, Han L, Gong Y, Huang M, Nag D, Rosenberg J, Chouldechova A, Robbins RC, Wu JC. Early stem cell engraftment predicts late cardiac functional recovery: Preclinical insights from molecular imaging. *Circ Cardiovasc Imaging*. 2012;5:481-490

7) Nguyen PK, **Lan F**, Wang Y, Wu JC. Imaging: Guiding the clinical translation of cardiac stem cell therapy. *Circ Res*. 2011;109:962-979

8) Hu S, Huang M, Nguyen PK, Gong Y, Li Z, Jia F, **Lan F**, Liu J, Nag D, Robbins RC, Wu JC. Novel microrna prosurvival cocktail for improving engraftment and function of cardiac progenitor cell transplantation. *Circulation*. 2011;124:S27-34

9) Karow M, Chavez CL, Farruggio AP, Geisinger JM, Keravala A, Jung WE, **Lan F**, Wu JC, Chen-Tsai Y, Calos MP. Site-specific recombinase strategy to create induced pluripotent stem cells efficiently with plasmid DNA. *Stem Cells*. 2011;29:1696-1704

10) Lee AS, Xu D, Plews JR, Nguyen PK, Nag D, Lyons JK, Han L, Hu S, **Lan F**, Liu J, Huang M, Narsinh KH, Long CT, de Almeida PE, Levi B, Kooreman N, Bangs C, Pacharinsak C, Ikeno F, Yeung AC, Gambhir SS, Robbins RC, Longaker MT, Wu JC. Preclinical derivation and imaging of autologously transplanted canine induced pluripotent stem cells. *J Biol Chem*. 2011;286:32697-32704

11) Pearl JI, Lee A, Leveson-Gower DB, Sun N, Ghosh Z, **Lan F**, Ransohoff J, Negrin RS, Davis MM, **Wu JC**. Short-term blockade of leukocyte costimulatory molecules promotes engraftment of embryonic and induced pluripotent stem cells. *Cell Stem Cell* 2011;8:309-317.

12) Lu WJ, Lee PN, Kaul SC, **Lan F**, Poon RT, Wadhwa R, Luk JM. Stress Induced Mortalin–p53 Interaction Constitutes A Selective Target For Cancer Therapy. *Cell Death and Differentiation* 2011;18:1046-1056 .

13) Lu WJ, **Lan F(Co-first author)**, He Q, Lee A, Tang CZ, Dong L, Lan B, Ma X, Wu JC, Shen L. Inducible expression of stem cell associated intermediate filament nestin reveals an important role in glioblastoma carcinogenesis. *Int J Cancer*. 2011;128:343-351

14) Lu WJ, Lee NP, Kaul SC, **Lan F**, Poon RT, Wadhwa R, Luk JM. Induction of mutant p53-dependent apoptosis in human hepatocellular carcinoma by targeting stress protein mortalin. *Int J Cancer*. 2010

15) Dong L, Qi N, Ge RM, Cao CL, **Lan F**, Shen L. Overexpression of cd133 promotes the phosphorylation of erk in u87mg human glioblastoma cells. *Neurosci Lett*. 2010;484:210-214

16) **Lan F**, Ma X, Liu Y, Shen I. Adenovirus-mediated ctla4ig gene transfer improves the survival of grafted human hepatic progenitors in mouse liver. *Transplant Proc*. 2009;41:1862-1864

17) Li Y, Zhao H, **Lan F(Co-first author)**, Lee A, Chen L, Lin C, Yao Y, Li L. Generation of human-induced pluripotent stem cells from gut mesentery-derived cells by ectopic expression of oct4/sox2/nanog. *Cell Reprogram*. 2010;12:237-247

18) **Lan F**, Xu J, Zhang X, Wong VW, Li X, Lu A, Lu W, Shen L, Li L. Hepatocyte growth factor promotes proliferation and migration in immortalized progenitor cells. *Neuroreport*. 2008;19:765-769

19) He Q, Liu Z, Jia B, Li X, Shi J, Zhang J, **Lan F**, Yang Z, Liu Y, Shen L, Wang F. In vivo gamma imaging of

the secondary tumors of transplanted human fetal striatum neural stem cells-derived primary tumor cells. *Neuroreport*. 2008;19:1009-1014

PATENT APPLICATIONS/PATENTS

Lan, F., Shen, L., 'A modified tissue chopper for long tern culture of human neural stem cells', Patent Number ZL 200820081290.7 (*China Patent*)

Sun, N, Longaker, MT., Robbins, RC, Wu, JC, **Lan F**, Lee AS and Burridge, PW. Cardiomyocytes From Induced Pluripotent Stem Cells From Patients and Methods of Use Thereof. International Patent, U.S. Application Serial No. 13/554,946.

C. Other Support

None