Jean Lu
呂仁

Address:
Genomics Research Center
Academia Sinica
128, Academia Road, Sec. 2, IBMS, N401F
Nankang, Taipei 115, Taiwan
Tel: 886-2-2787-1247
Email: jeanlu@gate.sinica.edu.tw
http://www.genomics.sinica.edu.tw/index.php/tw/lu-joyce-jean-

A. Education

1995-2000, **Ph.D.** Institute of Microbiology, National Taiwan University, Taipei, Taiwan
1992-1994 **M. S.** Institute of Molecular Medicine, National Taiwan University, Taipei, Taiwan
1988-1992 **B.S.** Department of Medical Technology, National Taiwan University, Taipei, Taiwan.

B. Positions:

2018, Aug-present Adjunct Associate Professor
Graduate Institute of Medical Sciences, National Defense Medical Center, Taipei, Taiwan.
2016-present Adjunct Associate Professor,
Department of Life Science, Tzu Chi University, Hualien,Taiwan
2015-present Associate Research Fellow,
Stem Cell Program, Genomics Research Center, Academia Sinica, Taiwan
2015-present Adjunct Associate Professor,
Genomics and System Biology Program, College of Life Science, National Taiwan University, Taiwan
2007-2015 Assistant Research Fellow,
Stem Cell Program, Genomics Research Center,
Academia Sinica, Taiwan
2010-2015 Adjunct Assistant Professor,
Genomics and System Biology Program, College of Life Science,
National Taiwan University, Taiwan
2003-2007 Postdoctoral Fellow/Associate,
Molecular, Department of Cellular, and Developmental Biology,
Yale University, USA
2001-2003 Postdoctoral Fellow,
Graduate Institute of Microbiology, College of Medicine,
National Taiwan University, Taiwan
1994-1995 Research Assistant,
Graduate Institute of Microbiology, College of Medicine,
National Taiwan University, Taiwan

C. Honors:

2017 keystone symposia scholarship. Regeneration Biology and applications: cell differentiation, tissue organization and biomedical engineering.
2003-2005 Ruth L. Kirschstein National Research Service Award Fellowship
2002 Outstanding Paper Award (National Taiwan University)

D. Publications
Accepted

1. Chen WJ, Huang WK, Pather SR, Chang WF, Sung LY, Wu HC, Liao MY, Lee CC, Wu HH, Wu CY, Liao KS, Lin CY, Yang SC, Lin H, Lai PL, Ng CH, Hu CM, Chen I, Chuang CH, Lai CY, Lin PY, Schuyler SC, Axel S, Lu FL, **Lu J***, Podocalyxin-Like Protein 1 Regulates Pluripotency through the Cholesterol Biosynthesis Pathway. ***Adv. Sci.*** 2022, Accepted (Impact factor 17.521) (Chemistry 14/179; Materials Science 21/345)

2. Lai PL, Ng CH, Wu CH, Lai CY, Schuyler SC, Wang V, Lin H, Lee YC, Chuang MH, Yang CH, Chen WJ, Huang HC,*, **Lu J*** Development of a Chemical Cocktail that Rescues Mouse Brain 2 Demyelination in a Cuprizone-Induced Model. ***Cells*** 2022, 11, 1091 (Impact factor 7.666) (Cell biology 51/194)

3. Lin PY, Yang D, Chuang CH, Lin H, Chen WJ, Chen CY, Chuang TJ, Lai CY, Li LY, Schuyler SC, Lu FL, Liu YC, **Lu J*** (2021) Comparative analyses of single-cell transcriptomic profiles between In vitro totipotent blastomere-like cells and In vivo early mouse embryonic cells. ***Cells*** 10(11); 3111 (Impact factor 7.666) (Cell biology 51/194)

4. Lai YP, Kuo LC, Lin BR, Lin HJ, Lin CY, Chen YT, Hsiao PW, Chang HT, Ko PCI, Chen HC, Chang HY, **Lu J,** Ho HN, Wu-Hsieh BY, Kung JT, Chen SC* (2021) . CD28 engagement inhibits CD73-mediated regulatory activity of $CD8^{+}$T cells. *Communications Biology.* 19;4(1):595-607 (Impact factor 6.548) (Biology 7/113)

5. Nguyen MT, Lin CH, Liu SM, Miyashita A, Ihn H, Lin H, Ng CH, Tsai JC, Chen MH, Tsai MS, Lin IY, Liu SC, Li LY, Fukushima S*, **Lu J***, Ma N*. (2020)miR-524-5p reduces the progression of the BRAF inhibitor-resistant melanoma ***Neoplasia***. 22(12):789-799 (Impact factor 6.218) (Oncology 69/317)

6. Cheng, CL, Yang SC, Lai CY, Wang CK, Chang CF, Lin CY, Chen WJ, Wu HC, Ma NH., Lu FL*, **Lu J***. (2020) CXCL14 maintains hESC self-renewal through binding to IGF-1R and activation of the IGF-1R pathway. ***Cells.*** 9(7):E1706 (Impact factor 7.666) (Cell biology 51/194)

7. Lai PL, Chen TC, Feng CY, Lin H, Ng CH, Chen Y, Hsiao M, **Lu J.** *, Huang HC*. (2020) Selection of a malignant subpopulation from a colorectal cancer cell line. ***Oncology Letters.*** 20 (3): 2937-2945 (Impact factor 3.111) (Oncology 176/245)

8. Yang SC, Liu JJ, Wang CK, Lin YT, Tsai SY, Chen WJ, Huang WK, Tu PA, Lin YC, Chang CF, Cheng CL, Lin H, Lai CY, Lin CY, Lee YH, Chiu YC, Hsu CC, Hsu SC, Hsiao M, Schuyler SC, Lu FL*, **Lu J.** * (2019) Down-regulation of ATF1 leads to early neuroectoderm differentiation of human embryonic stem cells by increasing the expression level of SOX2. ***FASEB J***. 33(9):10577-10592 (Impact factor: 5.834) (Cell biology 77/194) (Biology 16/94) (Biochemistry and molecular biology 79/296)

9. Kuan II, Lee CC, Chen CH, **Lu J**, Kuo YS, Wu HC.(2019) The extracellular domain of epithelial cell adhesion molecule (EPCAM) enhances multipotency of mesenchymal stem cells through EGFR-LIN28-LET7 signaling. ***J Biol Chem,*** 294(19):7769-7786. (Impact factor 5.486) (Biochemistry and molecular biology 94/296)

10. Chang, H.C., Huang, P.H., Syu, F.S., Hsieh, C.H., Chang, S.L., **Lu, J.*,** Chen, H.C.* (2018) Critical involvement of atypical chemokine receptor CXCR7 in allergic airway inflammation. ***Immunology***. 154(2):274-284. (Impact factor 7.215) (Immunology 43/161)

11. Liu, S.M., Lin, C.H., **Lu, J.**, Lin, I.Y., Tsai, M.S., Chen, M.H., Ma, N.(2018) miR-596 Modulates Melanoma Growth by Regulating Cell Survival and Death. ***J Invest Dermatol.*** 138(4):911-921 (Impact factor 7.590) (Dermatology 5/68)

12. Wang, C.K., Yang, S.C., Hsu, S.C., Chang, F.P., Lin, Y.T., Chen, S.F., Cheng, C.L., Hsiao, M., Lu, F.L., **Lu, J*.** (2017) CHAC2 is essential for self-renewal and glutathione maintenance in human embryonic stem cells. ***Free Radical Biology and Medicine.*** 113:439-45 (Impact factor: 8.101) (Biochemistry and molecular biology 45/296) (Endocrinology and metabolism 22/146)

13. Hsieh, M.H., Chen, Y.T., Chen,Y.T., Lee, Y.H., **Lu, J.**, Chien, C. L., Chen, H.F., Ho, H.N., Yu, C.J., Wang, Z.Q., Teng, S.C.(2017) PARP1 controls KLF4-mediated telomerase expression in stem cells and cancer cells. ***Nucleic Acids Research.*** 45(18):10492-10503 (Impact factor: 19.160) (Biochemistry and molecular biology 8/296)

14. Lin, Y.T., Wang, C.K., Yang, S.C., Hsu, S.C., Lin, H., Chang, F. P., Kuo, T. C., Shen, C. N., Chiang, P. M., Hsiao, M., Lu, F.L., **Lu, J.*** (2017) Elimination of undifferentiated human embryonic stem cells by cardiac glycosides. ***Scientific Reports.*** 7: 5289 (Impact factor: 4.996) (Multidisciplinary sciences 19/73)

15. Lai, P. L., Lin, H., Shang-Fu Chen, S.F., Yang, S.C., Hung, K.H., Chang, C.F., Chang, H. Y., Lu, F. L., Lee, Y. H., Liu, Y.C., Huang, H.C.*, **Lu, J.***.(2017) Efficient Generation of Chemically Induced Mesenchymal Stem Cells from Human Dermal Fibroblasts. ***Scientific Reports.*** 7:44534 (Impact factor: 4.996) (Multidisciplinary sciences 19/73)

16. Kuan, I.-I. Liang, K. H., Wang, Y.-P., Kuo, T.-W. Meir, Y.-J. J., Wu S. C.-Y., Yang, S.C., **Lu, J.**,* Wu H. C*. (2017) EpEX/EpCAM and Oct4 or Klf4 alone are sufficient to generate induced pluripotent stem cells through STAT3 and HIF2α. ***Scientific Reports***. 7: 41852 (Impact factor: 4.996) (Multidisciplinary sciences 19/73)

17. Chan, W. F., Hwu, Y. M., Xu, J , Lin, C. J., Wang, S.W., Cheng, A, S., **Lu, J.**, Lu, C.H., Sung, L.Y. (2016) Derivation of Patient Specific Pluripotent Stem Cells Using Clinically Discarded Cumulus Cells . ***PLoS One*** 11(11):e0165715. (Impact factor: 3.752) (Multidisciplinary sciences 29/73)

18. Huang, Y.C., Lin, S.J., Lin, K.M., Chou, Y.C., Lin, C.W., Yu, S.C., Chen, C.L., Shen, T.L., Chen, C.K., **Lu, J**., Chen, M.R., Tsai, C.H. (2016) Regulation of EBV LMP1-triggered EphA4 downregulation in EBV-associated B lymphoma and its impact on patients' survival. ***Blood***. 128(12):1578-89. (Impact factor: 25.476) (Hematology 2/78)

19. Chua, H.H., Tsuei, D.J., Lee, P.H., Jeng, Y.M., **Lu, J**., Wu, J.F., Su, D.S., Chen, Y.H., Chien, C.S., Kao,

P.C., Lee, C.N., Hu, R.H., Ni, Y.H., Chang, M.H. (2015) RBMY, a novel inhibitor of glycogen synthase kinase 3β, increases tumor stemness and predicts poor prognosis of hepatocellular carcinoma. ***Hepatology*** 62(5):1480-96. (Impact factor: 17.298) (Gastroenterology and hepatology 6/93)

20. Chang, J.S., Su, C.Y., Yu, W.H., Lee, W.J., Liu, Y.P., Lai, T.C., Jan, Y.H., Yang, Y.F., Shen, C.N., Shew, J.Y., **Lu, J.**, Yang, C.J., Huang, M.S., Lu, P.J., Lin, Y.F., Kuo, M.L., Hua, K.T., Hsiao, M.(2015) GIT1 promotes lung cancer cell metastasis through modulating Rac1/Cdc42 activity and is associated with poor prognosis. ***Oncotarget*** 6(34):36278-91 (Impact factor: 5.168) (Cell biology 48/190) (Oncology 44/217)

21. Wu, C. C., Wu, H. J., Wang, C. H, Lin, C. H., Hsu, S. C., Chen, Y.R., Hsiao, M., Schuyler, S. C., Lu, F. L., Ma, N., and **Lu, J.** * (2015) Akt suppresses DLK for maintaining self-renewal of mouse embryonic stem cells. ***Cell Cycle*** 14(8):1207-17 (Impact factor: 5.173) (Cell biology 89/194)

22. Lin, S.J., Lo, M., Kuo, R.L., Shih, S.R., Ojcius, D.M., **Lu, J**., Lee, C.K., Chen, H.C., Lin, M.Y., Leu, C.M., Lin, C.N., Tsai, C.H. (2014) The pathological effects of CCR2+ inflammatory monocytes are amplified by an IFNAR1-triggered chemokine feedback loop in highly pathogenic influenza infection. ***J Biomed Sci.*** 21:99-17 (Impact factor 12.771) (Cell biology 24/194) (Medicine, research and experimental 11/139)

23. Chang, C.F., Hsu, K.H., Shen, C.N., Li, C.L.*, and **Lu, J.*** (2014) Enrichment and characterization of two subgroups of committed osteogenic cells in the mouse endosteal bone marrow with expression levels of CD24. ***J Bone Marrow Res*** 2:144

24. Liu, Y.C., Kao, Y.T., Huang, W.K., Lin, K.Y., Wu, S.C., Schuyler, S.C., Lu, F.L., **Lu, J.*** (2014) CCL5/RANTES is important for inducing osteogenesis of human mesenchymal stem cells. ***BioSci Trends*** 8(3):138-43. (Impact factor: 9.083) (Biology 7/94)

25. Liu, S.M., **Lu, J.**, Lee, H. C., Chung, F.H., Ma, N. (2014) miR-524-5p suppresses the growth of oncogenic BRAF melanoma by targeting BRAF and ERK2. ***Oncotarget*** 5(19):9444-59. (Impact factor: 5.168) (Cell biology 48/190) (Oncology 44/217)

26. Yang, Y.F., Jan, Y.H., Liu, Y.P., Yang, C.J., Su, C.Y., Lin, Y.F., Chang, Y.C., Lai, T.C., Chiou, J., Tsai, H.Y., **Lu, J.**, Shen, C.N., Shew, J.Y., Lu, P.J., Huang, M.S., Hsiao, M., (2014), Squalene Synthase Induces TNFR1 Enrichment in Lipid Rafts to Promote Lung Cancer Metastasis, ***Am J Respir Crit Care Med*** 190(6):675-87 (Impact factor: 30.528) (Respiratory system 3/65) (Critical care medicine 3/35)

27. Chung, F.H., Chiang, Y.R., Tseng, A.L., Sung, Y.C., **Lu, J.**, Huang, M.C., Ma, N., Lee, H.C. (2014) Functional Module Connectivity Map (FMCM): A framework for searching repurposed drug compounds for systems treatment of cancer and an application to colorectal adenocarcinoma. ***PLoS One*** 9: e86299 (Impact factor: 3.752) (Multidisciplinary sciences 29/73)

28. Huang H.N., Chen, S.Y., Hwang, S.M., Yu, C.C., Su, M.W., Mai, W., Wang, H.W., Cheng,W.C., Schuyler, S.C., Ma, N., Lu, F.L., and **Lu, J.***. (2013) miR-200c and GATA binding protein 4 regulate human embryonic stem cell renewal and differentiation. ***Stem Cell Res*** 12, 338–353. (Impact factor: 1.587) (Biotechnology and applied microbiology 146/158) (Cell biology 185/194) (Cell and tissue engineering 28/29)

29. Wang, C.H., Ma, N., Lin, Y.T., Wu, C.C., Wu, H.J., Yu, C.C., Hsiao, M., Lu, F.L., Schuyler, S.C., and **Lu,**

Lu, J.* (2013) Array-based high throughput screen in mouse embryonic stem cells with shRNAs. ***Curr Protoc Stem Cell Biol*** 26: 5C.3.1 - 5C.3.19.

30. Lu, F.L., Yu, C.C., Chiu, H.H., Liu, H.E., Chen, S.Y., Lin, S.F., Goh, T.Y., Hsu, H.C., Chien, C.H., Wu, H.C., Chen, M.S., Schuyler, S.C., Hsieh, W.S., Wu, M.H., **Lu, J.*** (2013) Sonic hedgehog antagonists induce cell death in acute myeloid leukemia cells in the presence of lipopolysaccharides, tumor necrosis factor-α, or interferons. ***Invest New Drug*** 31(4): 823-32. (Impact factor:3.651) (Pharmacology and pharmacy 135/279) (Oncology 150/245)

31. Chen, H.W, Chen, H.Y, Wang, L.T., Wang, F.H. Fang, L.W., Lai, H.Y., Chen, H.H., **Lu, J.,** Hung, M.S., Cheng, Y., Chen, M.Y., Liu, S.J., Chong, P., Lee, O.K., Hsu, S.C. (2013) Mesenchymal stem cells tune the development of monocyte-derived dendritic cells toward a myeloid-derived suppressive phenotype through growth-regulated oncogene chemokines. ***J Immunol*** 190: 5065-77. (Impact factor: 5.446) (Immunology 65/161)

32. Liu, Y.P., Yang, C.J., Huang, M.S., Yeh, C.T., Wu, A.T., Lee, Y.C., Lai, T.C., Lee, C.H., Hsiao, Y.W., **Lu, J.**, Shen, C.N., Lu, P.J., Hsiao, M. (2013) Cisplatin selects for multidrug-resistant CD133+ cells in lung adenocarcinoma by activating Notch signaling. ***Cancer Res*** 73(1):406-416. (Impact factor: 13.312) (Oncology 20/245)

33. Wang, C.H., Ma, N.H., Lin, Y.T., Wu, C.C., Hsiao, M., Lu, F.L., Yu, C.C., Chen, S.Y., and **Lu, J.*** (2012) A shRNA functional screening in embryonic stem cells reveals Nme6 and Nme7 signaling are crucial for stem cell renewal. ***Stem Cells*** 30: 2199-2211. (Impact factor: 5.845) (Hematology 25/78) (Cell biology 76/194) (Cell and tissue engineering 11/29) (Biotechnology and applied microbiology 33/158) (Oncology 75/245)

34. Chan, C.C., Cheng, L.Y., **Lu, J.,** Huang, Y.H., Chiou, S.H., Tsai, P.H., Huo, T.I., Lin, H.C., Lee, F.Y. (2012) The role of interferon-γ inducible protein-10 in mice model of acute liver injury post induced pluripotent stem cells transplantation. ***PLoS One*** 7(12): e50577. (Impact factor: 3.752) (Multidisciplinary sciences 29/73)

35. Chou, Y.C., Chen, C.L., Yeh, T.H., Lin, S.J., Chen, M.R., Doong, S.L., **Lu, J.**, Tsai, C.H. (2012)Involvement of Recepteur d'Origine Nantais receptor tyrosine kinase in Epstein-Barr virus-associated nasopharyngeal carcinoma and its metastasis. ***Am J Pathol*** 181:1773-1781. (Impact factor: 5.770) (Pathology 12/77)

36. Chou, Y.C., Lin, S.J., **Lu, J.**, Yeh, T.H., Chen, C.L., Weng, P.L., Lin, J.H., Yao, M., Tsai, C.H. (2011) Requirement for LMP1-induced RON receptor tyrosine kinase in Epstein-Barr virus-mediated B-cell proliferation. ***Blood*** 118(5): 1340-1349. (Impact factor: 25.476) (Hematology 2/78)

37. Chang, Y., Lee, H.H., Chen, Y.T., **Lu, J.**, Wu, S.Y., Chen, C.W., Takada, K., Tsai, C.H. (2006) Induction of the early growth response 1 gene by Epstein-Barr virus lytic transactivator Zta. ***J Virol*** 80: 7748-7755. (Impact factor: 6.549) (Virology 11/37)

38. **Lu, J.**, Hou, R., Booth, C.J., Yang, S.H., Snyder, M. (2006) Defined culture conditions of human embryonic stem cells. ***PNAS*** *103: 5688-5693*. (Impact factor: 12.779) (Multidisciplinary sciences 9/73)

39. **Lu, J.**, Lin, W.H., Chen, S.Y., Longnecker, R., Tsai SC., Chen C.L., and Tsai, C.H. (2006) Syk tyrosine kinase mediates Epstein-Barr virus latent membrane protein 2A-induced cell migration in epithelial cells. ***J***

Biol Chem 281: 8806-8814. (Impact factor: 5.486) (Biochemistry and molecular biology 94/296)

40. **Lu, J.**, Chua, H.H., Chen, S.Y., Chen, J.Y., and Tsai, C.H. (2003) Regulation of matrix metalloproteinase-1 by Epstein-Barr virus proteins. ***Cancer Res*** 63: 256-262. (Impact factor: 13.312) (Oncology 20/245)

41. Chen, S.Y., **Lu, J.**, Shih, Y.C., and Tsai, C.H. (2002) Epstein-Barr virus latent membrane protein 2A regulates c-Jun protein through extracellular signal-regulated kinase. ***J Virol*** 76: 9556-9561. (Impact factor: 6.549) (Virology 11/37)

42. **Lu, J.**, Chen, S.Y., Chua, H.H., Liu, Y.S., Huang, Y.T., Chang, Y., Chen, J.Y., Sheen, T.S., and Tsai, C.H. (2000) Upregulation of tyrosine kinase TKT by the Epstein-Barr virus transactivator Zta. ***J Virol*** 74: 7391-7399. (Impact factor: 6.549) (Virology 11/37)

43. Huang, Y.T., Sheen, T.S., Chen, C.L., **Lu, J.**, Chang, Y., Chen, J.Y., and Tsai, C.H. (1999) Profile of cytokine expression in nasopharyngeal carcinomas: a distinct expression of interleukin 1 in tumor and CD4+ T cells. ***Cancer Res*** 59: 1599-1605. (Impact factor: 13.312) (Oncology 20/245)

44. Chang, Y., Tung, C.H., Huang, Y.T., **Lu, J.**, Chen, J.Y., and Tsai, C.H. (1999) Requirement for cell-to-cell contact in Epstein-Barr virus infection of nasopharyngeal carcinoma cells and keratinocytes. ***J Virol*** 73: 8857-8866. (Impact factor: 6.549) (Virology 11/37)

45. Chang, Y., Sheen, T.S., **Lu, J.**, Huang, Y.T., Chen, J.Y., Yang, C.S., and Tsai, C.H. (1998) Detection of transcripts initiated from two viral promoters (Cp and Wp) in Epstein-Barr virus-infected nasopharyngeal carcinoma cells and biopsies. ***Lab Invest*** 78: 715-726. (Impact factor: 5.515) (Pathology 16/77) (Medicine, research and experimental 50/139)

46. Tsai, C.H., Liu, M.T., Chen, M.R., **Lu, J.**, Yang, H.L., Chen, J.Y., and Yang, C.S. (1997) Characterization of monoclonal antibodies to the Zta and DNase proteins of Epstein-Barr virus. ***J Biomed Sci*** 4: 69-77. (Impact factor 12.771) (Cell biology 24/194) (Medicine, research and experimental 11/139)

E. Patents

1. Defined culture conditions of human embryonic stem cells. Snyder, M and **Lu, J.** US patent (U.S. Patent No. 9,101,590) (2005-2025)
2. Use of apolipoprotein A1 for promoting bone formation. **Lu, J.,** Liu, Y. C. (Taiwan patent 102111968) (2013-2023)
3. Method for removing undifferentiated pluripotent stem cells. **Lu, J.**, Lin, Y. T. (apply)
4. Method to generate induced oligodendrocyte-lineage cells and treatment using such cells. **Lu, J.,** Huang, H.C., Lai, P.L, Ng, C.H. (apply PCT and TW)
5. Method for regulating potency of pluripotent stem cells and the applications thereof. **Lu, J.,** Chen, W.J. (apply)

F. book chapter

再生醫學：臨床與產業運用.第四章:小分子藥物細胞再編程於再生醫學之發展與應用. 出版者:科技部生命科學研究發展司再生醫學科技發展計畫辦公室. 發行人再生醫學科技發展計畫辦公室主持人錢宗良.

G. Posters

1. J., Huang, W.K. Pather, S,R., Chang, W.F., Sung, L.Y., Wu, H. C., Liao, M.Y., Lee, C.C., Wu, H.H., Wu, H. Y., Liao, K.S., Lin, C.Y., Yang, S.C., Lin, H., Schuyler, S.C., Axel, S., Lu, F.L., and **Lu, J.*** Cholesterol biosynthetic signaling in regulating pluripotency and extended pluripotency. International Society for Stem Cell Research 2022 (ISSCR2022), Jun15-18, 2022, San Francisco, California, USA. **(Chen W. J. Oral Presentation 8 mins, Chen W. J. Travel award of ISSCR).**

2. Lee, Y.C., Tsai, R.K., **Lu, J.*** Direct Reprogramming of Human Fibroblasts into Retinal Progenitor Cells by Small Molecules to Treat Photoreceptor Degeneration. National Biotechnology Research Park (NBRP) Demo Day, Apr 28-29, 2022, Taipei, Taiwan.

3. Chuang, C.H., Lin, P.Y., Yang, D., Chen, W.J., Lin, H., **Lu, J***. Comparative analysis of the single cell transcriptomic profiles between in vitro totipotent blastomere-like cells and in vivo early developments. Pan Pacific Symposium on Stem Cells and Cancer Research (PPSSC), September 11-12, 2021, Hualien, Taiwan. **(Chuang, C.H., Gwo Xi Award for Stem Cells and Cancer Research.)**

4. **Lu, J.**,* Lai, P.L., Ng, C.H., Sung, H.H. Establishment of an mbp deletion mouse model by crispr/cas9 technology. International Society for Stem Cell Research 2021 (ISSCR2021), Jun 21-26, 2021, Virtual Meeting.

5. Lee, Y.C., **Lu, J.*** Direct reprogramming of human fibroblasts into retinal progenitor cells by small molecules to treat photoreceptor degeneration. National biotech research park, Demo day, April 28-29, Taipei, Taiwan.

6. Cheng, C.L., Yang, S.C., Lai, C.Y. **Lu, J.*** CXCL14 maintains hESC self-renewal through binding to IGF-1R and activation of the IGF-1R pathway. Taiwan society for stem cell research (TSSCR) annual meeting, Oct 30-31, 2020, Taipei, Taiwan **(Honorable mention)**

7. Lai, P.L., Chen, T.C., Feng, C.Y., Lin, H., Ng, C.H., Chen, y., Hsiao, M., **Lu, J.***, Huang, H.C* Selection of a malignant subpopulation from a colorectal cancer cell line. Taiwan society for stem cell research (TSSCR) annual meeting, Oct 30-31, 2020, Taipei, Taiwan.

8. Lee, Y.C., Tsai, R.K., **Lu, J.*** Direct Reprogramming of Human Fibroblasts into Retinal Progenitor Cells by Small Molecules to Treat Photoreceptor Degeneration. The 7th Annual Retreat of the Translational Medicine Degree Program, Sept, 2, 2020, Taipei, Taiwan. **(Lee, Y.C. Best Oral Presentation Award - First Prize)**

9. Chen, W.J., Huang, W.K., Chang, W.F., Sung, L.Y., Lin, C.Y., Yang, S.C., Lin, H., Axel, S., Wu, H.C., Lu, F.L., **Lu, J.*** Podocalyxin-like Protein 1 Regulates Human Pluripotent Stem Cell Self-Renewal through the Cholesterol Biosynthesis Pathway. International Society for Stem Cell Research 2020 (ISSCR2020), Jun 23-27, 2020, Virtual Meeting

10. Chen, W.J., Chen, M.-J. M., Lai, P.L., Huang, W.K., Chiang, F.H., Lin, C.-Y. , Shang-Chih Yang, S.C., **Lu, J.*** A zinc-finger C2H2 type protein ZNF regulates pluripotency of human pluripotent stem cells. International Society for Stem Cell Research 2020 (ISSCR2020), Jun 23-27, 2020, Virtual Meeting

11. Chen, W.J., Huang, W.K., Chang, W.F., Sung, L.Y., Lin, C.Y., Yang, S.C., Lin, H., Axel, S., Wu, H.C., Lu, F.L., **Lu, J.*** . Podocalyxin-like Protein 1 Regulates Human Pluripotent Stem Cell Self-Renewal through the Cholesterol Biosynthesis Pathway**.** Academia Sinica, Genomics Research Center, Dec 20, 2019, Taipei, Taiwan.

12. Chen, W. J., **Lu, J.*** Podocalyxin like protein 1 regulates human pluripotent stem cell self-renewal through cholesterol biosynthesis pathway. Taiwan society for stem cell research (TSSCR) annual meeting, Aug 23-24, 2019, Taipei, Taiwan.
13. Lee, Y.C., Lai, P.L., Wen, Y.T., Tsai, R.K., **Lu, J.*** Cell Plasticity: Reprogramming Eye Fibroblasts into Induced Retinal Lineage Cells with Small Molecules. Taiwan society for stem cell research (TSSCR) annual meeting, Aug 23-24, 2019, Taipei, Taiwan.

14. Chen, W. J., Lin, H., **Lu, J.*** Podocalyxin like protein 1 regulates human pluripotent stem cell self-renewal through cholesterol biosynthesis pathway. International Society for Stem Cell Research 2019 (ISSCR 2019), Jun 26-29, 2019, Los Angeles, USA**. (Chen, W.J., ISSCR, TSSCR, and MOST Travel award)**.

15. Lin, P.Y., Lin, P.H, Lai, P.L., Lin, H., **Lu, J.***Enhancing mesenchymal stem cell osteogenesis and adipogenesis by small molecules cocktails. International Society for Stem Cell Research 2019 (ISSCR 2019), Jun 26-29, 2019, Los Angeles, USA

16. Chen, W. J., Lin, H., **Lu, J.*** Podocalyxin like protein 1 regulates human pluripotent stem cell self-renewal through cholesterol biosynthesis pathway. The 12th Pan Pacific Symposium on Stem Cells and Cancer Research (PSSC) 2019, May 4-5, 2019**,** Hualien, Taiwan.

17. Lin, P.Y., Lin, P.H, Lai, P.L., **Lu, J.*** Small Molecule Cocktails Enhance MSC Osteogenesis and Adipogenesis The 34rd Joint Annual Conference of Biomedical Science, Mar 23-24, 2019, Taipei, Taiwan.

18. Lai, P.L., Chen, S.F., Lin, H., Huang, H. C., **Lu, J.*** Reprogramming of human skin cells to induced multipotent cells by small molecules. Taiwan society for stem cell research (TSSCR) annual meeting, Oct 26-27, 2018, Miaoli, Taiwan. **(Lai, P.L., Poster competition award honorable mentions)**

19. Liu, Y.C., Lu, J.* Apolipoprotein A-I Prevents osteoporosis and promotes osteogenesis of mesenchymal stem cells via STAT3 and CXCL6/8. American society bone and mineral research Annual Meeting (ASBMR), Sept 28-Oct 1, 2018, Montreal, QC, Canada.(**Liu, Y.C., Travel award of ASBMR**)

20. Lai, P.L., Chen, S.F., Lin, H., Huang, H. C., **Lu, J.*** Reprogramming of human skin cells to induced multipotent cells by small molecules. International Society for Stem Cell Research 2018 (ISSCR 2018), Jun 20-23, 2018, Melbourne, Australia **(Lai, P.L., Travel Award of Taiwan Society for Stem Cell Research (TSSCR)** .

21. Chuang, C.H**,** Wang, C.K., Yang, S.C, Chang, F.P., Lin, Y.T., Shang-Fu Chen, S.F., Hsu, S.C., **Lu, J.***CHAC2 is essential for self-renewal and Glutathione maintenance in human embryonic stem cells. The 33rd Joint Annual Conference of Biomedical Science, Mar24-25, 2018, Taipei, Taiwan.

22. Lin, P.H., Chen, S.F., Lai, P.L., **Lu, J.*** Improving Differentiation Abilities of Mesenchymal Stem Cells by Small Molecule Cocktails. The 33rd Joint Annual Conference of Biomedical Science, Mar24-25, 2018, Taipei, Taiwan.

23. Lai, P.L., Ng, C.H., Chuang, C.H., Lin, P.H., Huang, H. C., **Lu, J.*** Direct conversion of human skin fibroblasts into pre-oligodendrocytes by chemical cocktails. 11th Pan Pacific Symposium on Stem Cells and Cancer Research (PPSSC 2018), Mar 23-25, 2018, Hualien, Taiwan. **(Lai, P.L, Gwo Xi Poster Award USD 3000 and** selected for oral presentation**)**.

24. Lai, P.L., Ng, C.H., Lin, P.H., Chuang, C.H., Huang, H. C., **Lu, J.*** Direct conversion of human skin fibroblasts into pre-oligodendrocytes by chemical cocktails. EMBO Workshop-Neural Development, Mar 2-6, 2018, Taipei, Taiwan

25. Lai, P.L., Lin, H., Chen, S.F., Huang, H. C., **Lu, J.*** Efficient generation of chemically induced Mesenchymal Stem Cells from human dermal fibroblasts. 2017 International Conference on environmental medicine and the 14th symposium of the frontier of biomedical sciences. Nov 10-11, 2017, Kaohsiung, Taiwan. **(Lai, P.L., Best Poster Award**)

26. Chen, S.F., Lai, P.L., Huang, H. C., **Lu, J.***Optimize the Methods of Reprogramming Chemically Induced Mesenchymal Stem Cells from Human Somatic Cells. Regenerative biology and applications: cell differentiation, tissue organization and biomedical engineering. Keystone symposia conference, Oct 15-19, 2017, Hong Kong. **(Chen, S.F., Keystone symposia travel award)**

27. **Lu, J.*** Liu, Y.C., Huang W.K., Chang, C.F., Kao, Y.T., Hsu, S.C., Li, L. Y., Lee, Y. H., Lin, H., Lu, F.L. Apolipoprotein A-I revealed by a high throughput screen prevents osteoporosis and promotes osteogenesis though STAT3 and CXCLs. Regenerative biology and applications: cell differentiation, tissue organization and biomedical engineering. Keystone symposia conference, Oct 15-19, 2017, Hong Kong. **(Lu, J., Keystone symposia travel award)**

28. Wang,C.K., Yang, S.C., Chang F. P, Lin, Y.T, Chen, S.F.,, Hsu, S.C., **Lu, J.*** CHAC2 is essential for self-renewal and Glutathione maintenance in human embryonic stem cells. International Conference of Developmental Biology, Stem Cells and Regenerative Medicine-From Basic Research to Applications (DBSRM).Oct 4-5, 2017, Taipei, Taiwan. **(Wang, C. K., Best Paper Award)**

29. La,i P.L., Lin, H., Chen, S.F., Huang, H. C., **Lu, J.***Direct Conversion of Human Dermal Fibroblasts into Mesenchymal Stem Cells by Small Molecules. International Conference of Developmental Biology, Stem Cells and Regenerative Medicine-From Basic Research to Applications (DBSRM).Oct 4-5, 2017,

Taipei, Taiwan. **(Lai, P.L., Best Paper Award, oral presentation.**)

30. Chen, S.F., Lai, P.L., Huang, H. C., **Lu, J.***Optimize the Methods of Reprogramming Chemically Induced Mesenchymal Stem Cells from Human Somatic Cells**.** Stem Cells and Regenerative Medicine-From Basic Research to Applications (DBSRM),Oct 4-5, Taipei, Taiwan **(Chen, S.F., oral presentation)**

31. Lai, P.L., Lin, H., Chen S.F., Huang, H. C., **Lu, J.*** Efficient Generation of chemically induced mesenchymal stem cells from human dermal fibroblasts. Annual meeting of International society for stem cell research (ISSCR) annual meeting, June14-17, 2017, Boston, MA, USA. **(Lai, P.L., Travel Award of Taiwan Society for Stem Cell Research (TSSCR)** .

32. Lin, H., Lin, Y.T., Wang, C. K., Yang, S.C., Hsu, C.S., Chang, F. P., Kuo, T.-C., Shen, C.N., Chiang, P. M, Hsiao, M., Lu, F.L, and **Lu, J*.** Elimination of undifferentiated human embryonic stem cells by cardiac glycosides. International society for stem cell research (ISSCR) annual meeting, June14-17, 2017, Boston, MA, USA.

33. Liu, J.J., Yang, S.C., Wang C.K., Lin, Y.T., **Lu, J.***Downregulation of ATF1 Triggers neuroectoderm differentiation in human embryonic stem cells. International society for stem cell research (ISSCR) annual meeting, June14-17, 2017, Boston, MA, USA.

34. **Lu, J.***Liu Y.C., Huang W.K., Chang C.F., Lin, H., Lee Y. H., Lu, F.L**.** Apolipoprotein A-I pinpointed by a high throughput screen prevents osteoporosis in transgenic mice and treat osteoporosis by the application of I-BET151. International society for stem cell research (ISSCR) annual meeting, June14-17, 2017, Boston, MA, USA.

35. Lai P.L., Lin, H., Chen S.F., Huang, H. C., **Lu, J.***Efficient generation of chemically induced mesenchymal stem cells from human dermal fibroblasts. College of life science, National Taiwan University, Jun 4,2017 Taipei, Taiwan. **(Lai, P.L., The Dean's Award).**

36. Chen S.F., Lai P.L., Lin, H., Huang, H. C., **Lu, J.*** Optimization of Chemical Induced Mesenchymal Stem Cells Reprogrammed and Rejuvenated from Human Somatic Cells. National Taiwan University Department of Life science, May 26, 2017, Taipei, Taiwan. **(Chen, S.F., Excellence Awards).**

37. Liu Y.C., Huang W.K., Chang C.F., Kao Y.T., Snyder, M., Hsu S.C., Li L. Y., Lee Y. H., Hwang, S.-M., Lin K.-Y., Wu, S.-C., Huang, H.-N. Chien, C.-H., Lu, F.L., Schuyler, S.C., Ma, N.-H., **Lu, J.*** Apolipoprotein A-I Prevents osteoporosis and promotes osteogenesis of mesenchymal stem cells via STAT3, CXCL6, and CXCL8. 44th European Calcified Tissue Society Congress ECTS 2017. May13-16, 2017, Salzburg, Austria. **(Liu, Y.C., New Investigator Award)**.

38. Lai P.L., Lin, H., Chen S.F., Huang, H C., **Lu. J**.* Efficient Generation of Chemically Induced Mesenchymal Stem Cells from Human Dermal Fibroblasts.10th Pan Pacific Symposium on Stem Cells and Cancer Research (PPSSC), Apr 15-16, Hualien, Taiwan. **(Lai, P.L, Gwo Xi Poster Award, USD 3,000)**.

39. Chen, S.F., Lai, P.L., Lin, H., Huang, H. C., **Lu, J.*** Optimization of chemical induced mesenchymal stem cells reprogrammed and rejuvenated from human somatic cells. 10th Pan Pacific Symposium on Stem Cells and Cancer Research (PPSSC), Apr 15-16, Hualien, Taiwan. **(Chen, S.F, Oral presentation)**.

40. Chen, S.F., Lai, P.L., Lin, H., Huang, H. C., **Lu, J.*** Efficient generation of chemically induced mesenchymal stem cells from human dermal fibroblasts. Joint Annual Conference of Biomedical Science (JACBS), Mar, 25-26, 2017. **(Chen, S.F, Honorable Mentions, Oral presentation).**

41. Lai, P. L., Lin, H., Chen, S.F, Huang, H.C., **Lu, J.***Efficient generation of chemically induced mesenchymal stem cells from human dermal fibroblasts. Taiwan society for stem cell research (TSSCR) annual meeting, Oct 1, 2016, Taichung, Taiwan.

42. Chen, S.F, Lai, P. L., Huang, H.C., **Lu, J.*** Optimized approaches for conversion induced mesenchymal stem cells from human fibroblasts with small molecules. Taiwan society for stem cell research (TSSCR) annual meeting, Oct 1, 2016, Taichung, Taiwan.

43. Wang, C.K., Yang, S.C., Huang, W.K., Chiu, J. J., Chen, Y.W., **Lu, J.*** A novel gene enriched in cancer cells regulates oxidation/reduction and stemness pathways in stem cells. ISREC-SCCL Symposium 2016: Horizons of Cancer Biology and Therapy, Sept 07- 10, 2016, Lausanne, Swiss.

44. Lin, H., Lin, Y.T., Kao, Y.T., Wang, C.H., Wu, C.,C., Lu, F. L., **Lu, J.***. Nme6 and Nme7 simultaneously concurrently regulates eight key factors for mouse embryonic stem cell renewal and roles in early development. International society for stem cell research (ISSCR) annual meeting, June 22-25, 2016. San Francisco, USA.

45. Wang, C.K., Yang, S.C., Huang, W.K., Yang, B.C., Kuan, I. I., Wu, H. C., Yu, J., **Lu, J.***A novel gene regulates human embryonic stem cell renewal through GSH homeostasis. International society for stem cell research (ISSCR) annual meeting, June22-25, 2016. San Francisco, USA.

46. **Lu, J.*** Lin, Y.T., Kao, Y.T., Ma, N. H., Wang, C.H., Wu, C.C. Nme6 concurrently regulates eight key factors for mouse embryonic stem cell renewal and is critical for embryonic development. Pluripotency: from basic science to therapeutic applications, Mar 22-24, 2016, Kyoto, Japan.

47. Liu, Y.C., Huang, W. K., Chang, C. F., Kao, Y. T., Snyder, M., Yang, S.C., Lin, K.Y., Wu, S.C., Hsu, S.C., Hwang, S.M., Li, L.Y., Huang, H.N., Chien, C.H., Lu, F.L, Schuyler, S.C., Ma, N., **Lu, J.*** Apolipoprotein A-I prevents osteoporosis and promotes osteogenesis of mesenchymal stem cells via STAT3 and CXCLs. Taiwan Society for Stem Cell Research (TSSCR) annual meeting, Oct 16-17, 2015. Taipei, Taiwan. **(Liu, Y.C. Poster competition award honorable mentions).**

48. Lin, Y.T., Kao, Y.T., Wang, C.H., Wu, C.C., Liu, Y.C., Wang, C.K., Kuan, I.I., Wu, H.C., **Lu, J.*** Functional screen identifies Nme6 is critical for maintenance of pluripotency in embryonic stem cell and embryonic development. International society for stem cell research (ISSCR) annual meeting, June23-27,

2015. Stockholm, Sweden. **(Lin, Y.T., ISSCR and MOST Travel award)**.

49. Liu, Y.C., Kao, Y. T., Chang, C. F. Lin, K.Y., Wu, S.C., Hwang, S.M., Li, L.Y., Lu, F.L, Schuyler, S.C., Ma, N., **Lu, J.*** Apolipoprotein A-I promotes osteogenesis of mesenchymal stem cells via STAT3, CXCL6, and CXCL8 International society for stem cell research (ISSCR) annual meeting, June23-27, 2015. Stockholm, Sweden. **(Liu, Y.C.,TSSCR Travel Award).**

50. Kuan, I.I., Liang, K. H, Wang, Y. P., Cheng, C.L., Yang, S.C., **Lu, J.,** Wu, H.C*. Epithelial cell adhesion molecular enhances reprogramming and pluripotency in induced pluripotent stem cells. International society for stem cell research (ISSCR) annual meeting, June23-27, 2015. Stockholm, Sweden.

51. Wang, C.K., Yang, S.C., Huang, W.K., Yang, B.C., Yu, J. **Lu, J.*** Identification of a novel gene mediated human embryonic stem cell renewal through oxidation pathway. International society for stem cell research (ISSCR) annual meeting, June23-27, 2015. Stockholm, Sweden. **(Wang, C.K.,MOST and NYMU Travel award).**

52. Wang, C.K., Yang, S.C., Huang, W.K., Bei-Chia Yang, B.C., Yu, J. **Lu, J.*** Identification of a novel oxidation-related gene mediated hESC renewal from a high-throughput screen. Pan Pacific Symposium on Stem Cells and Cancer Research (PPSSC), April 11-13, 2015. Hsinchu, Taiwan.

53. Yang, S.C., Wang, C.K, Chen, W.J., Huang, W.K., Yang, B.C., Yu,J. **Lu, J.*** Establish a shRNA functional screen in hESCs and reveal a novel method to generate NSCs. Pan Pacific Symposium on Stem Cells and Cancer Research (PPSSC), April 11-13, 2015. Hsinchu, Taiwan.

54. Liu, Y.C., Huang, W.K., Lin, K.Y., Wu, S.C., Hwang, S.M., Li, L.Y., Lu, F.L, Schuyler, S.C., Ma, N., **Lu, J.*** Apolipoprotein A-I promotes osteogenesis of mesenchymal stem cells via STAT3, CXCL6, and CXCL8. Joint Annual Conference of Biomedical Science, March 21-22, 2015. Taipei, Taiwan. **(Liu, Y.C., Joint Annual Conference of Biomedical Science Poster Award-First prize).**

55. Yang, S.C., Wang, C.K, Chen, W.J., Huang, W.K., Yang, B.C., Yu,J. **Lu, J.*** Efficiently Promote Human Embryonic Stem Cells Differentiation into Neural Stem Cells. Joint Annual Conference of Biomedical Science, March 21-22, 2015. Taipei, Taiwan. **(Yang, S.C., The Chinese society of cell and molecular biology- Best Poster Award).**

56. Wang, C.K., Yang, S.C., Huang, W.K., Yang, B.C., Yu,J. **Lu, J.*** Identification of a novel gene mediated human embryonic stem cell renewal through oxidation pathway. Joint Annual Conference of Biomedical Science, March 21-22, 2015. Taipei, Taiwan.

57. **Lu, J.***, Liu, Y.C., Huang, W.K., Lin, K.Y., Lu, F.L., Wu, H.C. Apolipoprotein A-I enhances osteogenesis of mesenchymal stem cells and completely prevents the osteoporosis. International society for stem cell research (ISSCR) annual meeting, June18 - 21, 2014. Vancouver, Canada.

58. Liu, Y.C., Kao, Y.T., Huang, W.K., Lin, K.Y., Wu, S.C., Hsu, S.C., Li, L.Y., Schuyler, S.C., Lu, F.L., **Lu,**

J.* CCL5/RANTES is important for inducing osteogenesis of human mesenchymal stem cells. Taiwan Society for Stem Cell Research, Oct4, 2013, Taipei, Taiwan.

59. Wu, C.C., Wu, H.J., Wang, C.H., Lin, Y.T., **Lu, J.*** Akt maintains mouse embryonic stem cell self-renewal by directly suppressing DLK activity. Taiwan Society for Stem Cell Research, Oct5-6, 2013, Taipei, Taiwan.

60. Yang, S.C., Wang, C.K., Huang, W.K., Yang, B.C, Yu, J., **Lu, J.*** Establish a high throughput shRNA screen in human embryonic stem cells. Taiwan Society for Stem Cell Research, Oct5-6, 2013, Taipei, Taiwan.

61. Liu, Y.C., **Lu, J.*** Apolipoprotein A-I promotes osteogenesis through STAT3 activation and prevents osteoporosis in the mouse model. International society for stem cell research (ISSCR) annual meeting, June12 - 15, 2013. Boston, USA.

62. Huang, H.N., Chen, S.Y., Hwang, S.M., Ma, N., Lu, F. L., **Lu, J.*** miR-200c direct target GATA4 to regulate human embryonic stem cell renewal and differentiation, International society for stem cell research (ISSCR) annual meeting, June12 - 15, 2013. Boston, USA.

63. Chang, C.F., Hsu, K.H., Liao, J.J., Yang, C.Y., Li, C.L., **Lu, J.*** Prospective isolation and characterization of multipotential mesenchymal stem cells and committed osteoprogenior cells in mouse bone marrow. International society for stem cell research (ISSCR) annual meeting, June12 - 15, 2013. Boston, USA. **(Chang, C.F., T SSCR and NSC Travel Award).**

64. Huang, H.N., Chen, S.Y., Hwang, S.M., **Lu, J.*** The crucial role of miR-200c for maintaining pluripotency and preventing differentiation through GATA4 pathway. International society for stem cell research (ISSCR) annual meeting, June13 - 16, 2012, Yokohama, Japan. **(Huang, H.N., ISSCR, TSSCR, and NSC Travel Award)**.

65. Huang, H.N., Chen, S.Y., Hwang, S.M., **Lu, J.*** The crucial role of miR-200c for maintaining pluripotency and preventing differentiation through GATA4 pathway. Asia-Pacific Development Biology conference, Oct5-8, 2012, Taipei, Taiwan.

66. Lin, Y.C., Wang, C.H., Ma, N., Wu, C.C., Hsiao, M., Lu, F.L., Yu, C.C., Chen, S.Y., **Lu, J.*** Functional screen identifies Nme6 and Nme7 as vital roles of embryonic stem cell pluripotency and renewal. Asia-Pacific Development Biology conference, Oct5-8, 2012, Taipei, Taiwan.

67. Huang, H.N., Chen, S.Y., Hwang, S.M., **Lu, J.*** The crucial role of miR-200c for maintaining pluripotency and preventing differentiation through GATA4 pathway. Taiwan Society for Stem Cell Research, Oct13-14, 2012, Kaohsiung, Taiwan.

68. Wang, C.H., Wu, H.J., Ma, N., Lin, Y.T., Lu, F.L., **Lu, J.*** Identification of novel renewal factors of embryonic stem cells by analyzing the off-target effects of a shRNA functional screen. Taiwan Society

for Stem Cell Research, Oct13-14, 2012, Kaohsiung, Taiwan.

69. Lin, Y.C., Wang, C.H., Ma, N.H., Wu, C.C., Hsiao, M., Lu, F.L., Yu, C.C., Chen, S.Y., **Lu, J.*** A functional screen identifies Nme6 and Nme7 are critical regulators for embryonic stem cell pluripotency and renewal. Taiwan Society for Stem Cell Research, Oct13-14, 2012, Kaohsiung, Taiwan.

70. Wang, C.H., Ma, N.H., Lin, Y.C., Wu, C.C., Hsiao, M., Lu, F.L., Yu, C.C., Chen, S.Y., **Lu, J.*** Systemic identification of kinases/phosphatases vital for embryonic stem cell renewal/pluripotency. National Health Research Institutes, Aug 13-14, 2012, Miaoli County, Zhunan, Taiwan.
71. Liu, Y.C., Huang, H.N., **Lu, J.*** Identify ApoA-1 as a positive regulator in osteogenesis. Taiwan Society for Stem Cell Research, Oct1-2, 2011, Taipei, Taiwan.

72. Wu, C.C., Wang, C.H., Lin, Y.T., **Lu, J.*** DLK suppression of mouse embryonic stem cell renewal is inhibited by Akt. Taiwan Society for Stem Cell Research, Oct1-2, 2011, Taipei, Taiwan.

73. Lin, Y.T., Wang, C.H., Ma, N., Wu C.C., and **Lu, J.*** A shRNA functional screening in embryonic stem cells reveals Nme signaling is crucial for stem cell renewal. Taiwan Society for Stem Cell Research, Oct1-2, 2011, Taipei, Taiwan.

74. Huang, H.N., Chen, S.Y., Hwang, S.M., **Lu, J.*** Regulation of transcriptional factor GATA4 by miR-200c in human embryonic stem cells. Taiwan Society for Stem Cell Research, Oct1-2, 2011, Taipei, Taiwan.

75. **Lu, J.***, Wang, C.H., Ma, N, Lin, Y. T. Systemic identification of kinases/phosphatases vital for embryonic stem cell renewal/pluripotency. National Health Research Institutes, Aug 13-14, Miaoli County, Taiwan.

76. Liu, Y.C., Huang, H.N., **Lu, J.*** Identify ApoA-1 as a positive regulator in osteogenesis. Taiwan Society for Stem Cell Research, Oct1-2, 2011, Taipei, Taiwan.

77. Wu, C.C., Wang, C.H., Lin, Y.T., **Lu, J.***. DLK suppression of mouse embryonic stem cell renewal is inhibited by Akt. Taiwan Society for Stem Cell Research, Oct1-2, 2011, Taipei, Taiwan.

78. Lin, Y.T., Wang, C.H., Ma, N.H., Wu C.C., and **Lu. J.*** A shRNA functional screening in embryonic stem cells reveals Nme signaling is crucial for stem cell renewal. Taiwan Society for Stem Cell Research, Oct1-2, 2011, Taipei, Taiwan.

79. Huang, H.N., Chen, S.Y., Hwang, S.M., **Lu, J.*** Regulation of transcriptional factor GATA4 by miR-200c in human embryonic stem cells. Taiwan Society for Stem Cell Research, Oct1-2, 2011, Taipei, Taiwan.

80. Wang, C.H., Ma, N, H., Wu, C.C., Lin, Y.T., **Lu, J.*** A shRNA functional screening of kinase and phosphatase in ESC renewal. International society for stem cell research (ISSCR) annual meeting, June

15-18, 2011, Toronto, Canada.

81. Wang, C.H, Wu, C. C., Liao, I.H., and **Lu, J.*** Identification of kinases and phosphatases crucial for mouse embryonic stem cell renewal by functional screening. International society for stem cell research (ISSCR) annual meeting, July 8-12, 2009, Barcelona, Spain.

82. **Lu, J.**, Hou, R, Snyder, M. An April/BAFF Signal Is Important for Human Embryonic Stem Cell Maintenance. International society for stem cell research (ISSCR) annual meeting, June11-14, 2007, Philadelphia, Pennsylvania, USA.
83. **Lu, J.**, Hou, R., Booth, C. J., Yang, S-H., Snyder, M. Identification of exogenous factors required for human embryonic stem cell self-renewal. International society for stem cell research (ISSCR) annual meeting, June 28-July 1, 2006, Toronto, Canada.