Guangwen "Gary" Ren, Ph.D.

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Google scholar website: https://scholar.google.com/citations?user=eHAyY64AAAAJ (Citation: 9,569; h-index: 32)

WORKING EXPERIENCE

07/2017-present	Assistant Professor (joint appointment), Department of Medicine, Tufts University School of Medicine, Boston, MA
01/2017-present	Graduate Faculty Member, School of Biomedical Sciences and Engineering, University of Maine, Orono, ME
10/2016-present	Assistant Professor, The Jackson Laboratory, Bar Harbor, Maine, USA
12/2012-10/2016	Postdoctoral Associate and Associate Research Scholar, Dr. Yibin Kang laboratory, Department of Molecular Biology, Princeton University, NJ, USA
04/2009-11/2012	Research Teaching Specialist III, Robert Wood Johnson Medical School, Rutgers University, NJ, USA
2003-2004	Deputy manager of proteomics department, Shanghai Genecore Biotechnologies Co., Ltd., Shanghai, China
2002-2003	Deputy project manager, Shandong GeneLeuk Biopharmaceutical Co., Ltd., Jinan, Shandong, China

EDUCATION

2004-2009	Ph.D. in Immunology Rutgers University Robert Wood Johnson Medical School, NJ, USA	
1999-2002	M.S. in Microbiology,	Shandong University, Jinan, China
1995-1999	B.S. in Microbiology,	Shandong University, Jinan, China

AWARDS/HONORS

2020	NIH/NCI The Method to Extend Research in Time (MERIT) (R37) Award
2018	DoD Breast Cancer Research Program Breakthrough Award
2014	NIH/NCI K99/R00 Pathway to Independence Award
2013	DoD Breast Cancer Postdoctoral Fellowship Award
2012	Postdoctoral fellowship, F. M. Kirby Foundation
2011	Gallo Award for Scientific Excellence, New Jersey State Commission on Cancer Research
2011	AAI (American Association of Immunologists) Meeting Trainee Abstract Award
2010	Pharmacology Research Award for Outstanding Research, Rutgers, USA
2010	AAI (American Association of Immunologists) Meeting Trainee Abstract Award
2009	Best Poster Presentation Award for 5th International Conference on Mesenchymal and non-Hematopoietic Stem Cells, Austin, TX, USA

PATENTS

Method for attenuating immune response using mesenchymal stem cells and cytokines 2016
Y Shi, L Zhang, G Ren
US Patent 9,301,979

Methods of producing activated mesenchymal stem cells 2021
Y Shi, G Ren, L Zhang
US Patent 10,898,523

EDITORIAL RESPONSIBILTIES

Guest Editor

Frontiers in Immunology, special issue "Stromal and Immune Microenvironment in Breast Cancer Metastasis", 2022

Editorial board member:

World Journal of Stem Cells (2010-2015)

International Journal of Molecular Sciences (2021- present)

JOURNAL REVIEWERS

Journals *Nature, Science Immunology, Blood, JCI, Molecular Cancer, Cell Research, Nature Communications, Cell Reports, Cancer Research, Stem Cells, Journal of Immunology, The FASEB Journal, Oncogene, Journal of Biological Chemistry, etc.*

AD HOC REVIEWER FOR GRANTS

NIH/NCI Tumor Host Interactions (THI) study section, October 2022

NIH/NCI P01 grant review study section ZCA1 RPRB-L (J1), October 2021

DOD-Breast Cancer Research Program, June 2021

Breast Cancer Alliance, USA, 2020-present

Academy of Medical Sciences Newton International Fellowship, UK

European Research Foundation – Flanders

Breast Cancer Now, UK

Medical Research Council (MRC), UK

European Research Council (ERC) Advanced Grant 6th Call – 2013

PUBLICATIONS

As a principal investigator (Oct 2016~present):

Corresponding author*

1. Gong Z, Li Q (co-1st), Shi J, Li P, Hua L, Shultz LD, **Ren G***. Immunosuppressive reprogramming of neutrophils by lung mesenchymal cells promotes breast cancer metastasis. ***Science Immunology***. 2023 Feb 24;8(80):eadd5204. doi: 10.1126/sciimmunol.add5204. Epub 2023 Feb 17. PMID: 36800412

2. Lu X*, Liu X, Celià-Terrassa T, **Ren G**. Stromal and Immune Microenvironment in Breast Cancer Metastasis. ***Frontiers in Immunology*** (editorial). 2022 Dec 6;13:1104362. PMID: 36561756 PMCID: PMC9763918

3. Gong Z, Li Q (co-1st), Shi J, Liu ET, Shultz LD, **Ren G***. Lipid-Laden Lung Mesenchymal Cells Foster Breast Cancer Metastasis via Metabolic Reprogramming of Tumor Cells and Natural Killer Cells. ***Cell Metabolism***. 2022 Dec 6;34(12):1960-1976.e9. PMID: 36476935 PMCID: PMC9819197.

4. Tiberti S, Catozzi C, Croci O, Ballerini M, Cagnina D, Soriani C, Scirgolea C, Gong Z, He J, Macandog A, Nabinejad A, Lauson CN, Quinte' A, Bertalot G, Petz W, Ravenda PS, Licursi V, Paci P, Rasponi M, Rotta L, Fazio N, **Ren G**, Romario UF, Schaefer M, Campaner S, Lugli E, Nezi L. Intra-tumoral infiltration of GZMKhigh $CD8^+$ T effector memory cells is associated with neutrophil abundance in early-stage colorectal cancer and predicts poor clinical outcome. ***Nature Communications***, 2022 Nov 8;13(1):6752. PMID: 36347862 PMCID: PMC9643357.

5. Gong Z, Li Q (co-1st), Shi J, Wei J, Li P, Chang C, Shultz LD, **Ren G***. Lung fibroblasts facilitate pre-metastatic niche formation by remodeling the local immune microenvironment. ***Immunity***. 2022 Aug 9;55(8):1483-1500.e9. PMID: 35908547 PMCID: PMC9830653.
   Highlighted by: Houthuijzen JM and, de Visser KE. ***Immunity.*** 2022 Aug 9;55(8):1336-1339.
   Sliker B. ***Cancer Discov***. 2022 Aug 19; OF1. PMID: 35984238.
   Highlights from Recent Cancer Literature. ***Cancer Res.*** 2022, 82 (19): 3407–3408.
   Selected as European Association for Cancer Research (EACR)'s Top 10 Cancer Research Publications in January 2023.

6. Gong Z, Li Q, Shi J, **Ren G***. An Artifact in Intracellular Cytokine Staining for Studying T Cell Responses and Its Alleviation. ***Frontiers in Immunology***. 2022 Jan 21;13: 759188.

7. Li P, Lu M (co-1st), Shi J, Gong Z, Hua L, Li Q, Lim B, Zhang XF, Chen X, Li S, Shultz LD, **Ren G***. Lung mesenchymal cells elicit lipid storage in neutrophils that fuel breast cancer lung metastasis. ***Nature Immunology***, 2020 Nov;21(11):1444-1455. PMID: 32958928 PMCID: PMC7584447.

   Highlighted by: Sliker B. ***Cancer Discov***. 2020 Dec;10(12): OF9. PMID: 34365382.

8. Li P, Lu M (co-1st), Shi J, Hua L, Gong Z, Li Q, Shultz LD, **Ren G***. Dual roles of neutrophils in metastatic colonization are governed by the host immune system integrity. ***Nature Communications***, 2020 Sep 1;11(1):4387. PMID: 32873795 PMCID: PMC7463263.

9. Li P, Gong Z, Shultz LD, **Ren G***. Mesenchymal stem cells: From regeneration to cancer. ***Pharmacology & Therapeutics*** (invited review). 2019; 200:42-54. PMID: 30998940; PMCID: PMC6626571.

10. Shi J, Hua L, Harmer D, Li P, **Ren G***. Cre driver mice targeting macrophages. ***Methods in Molecular Biology*** (invited book chapter). 2018; 1784: 263-275.

11. Hua L, Shi J, Shultz LD, **Ren G***. Genetic models of macrophage depletion. ***Methods in Molecular Biology*** (invited book chapter). 2018; 1784: 243-258.

12. Zheng H, Bae Y, Kasimir-Bauer S, Tang R, Chen J, **Ren G**, Yuan M, Esposito M, Li W, Wei Y, Shen M, Zhang L, Tupitsyn N, Pantel K, King C, Sun J, Moriguchi J, Jun HT, Coxon A, Lee B, Kang Y. Therapeutic Antibody Targeting Tumor- and Osteoblastic Niche-Derived Jagged1 Sensitizes Bone Metastasis to Chemotherapy. ***Cancer Cell***, 2017 Dec 11;32(6):731-747.

As a postdoctoral fellow (June 2009~Oct 2016):

13. **Ren G**, Esposito MB, Kang Y. Bone metastasis and the metastatic niche. ***Journal of Molecular Medicine*** (invited review)***.*** 2015 Nov;93(11):1203-12.

14. Yang M, Liu Y, **Ren G**, Shao Q, Gao W, Sun J, Wang H, Ji C, Li X, Zhang Y, and Qu X. Increased expression of surface CD44 in hypoxia-DCs skews helper T cells toward a Th2 polarization. ***Scientific Reports*** 2015; Article number: 13674.

15. Zheng H, Shen M, Cha YL, Li W, Wei Y, **Ren G**, Zhou T, Wang HY, Kang Y. PKD1 phosphorylation-dependent degradation of SNAIL by SCF-FBXO11regulates epithelial-mesenchymal transition and metastasis. ***Cancer Cell***, 2014 Sep 8;26(3):358-73.

16. **Ren G**, Liu Y (co-1st), Zhao X, Zheng B, Yuan Z, Zhang L, Qu X, Tischfield JA, Shao C and Shi Y. Tumor Resident Mesenchymal Stromal Cells Endow Naïve Stromal Cells with Tumor-promoting Properties. ***Oncogene***, 2014 Jul 24;33(30):4016-20.

17. Huang Y, Yu P, Li W, **Ren G**, Roberts AI, Cao W, Zhang X, Su J, Chen X, Chen Q, Shou P, Xu C, Du L, Lin L, Xie N, Zhang L, Wang Y, Shi Y. p53 regulates mesenchymal stem cell-mediated tumor suppression in a tumor microenvironment through immune modulation. ***Oncogene***. 2014 Jul 17;33(29):3830-8.

18. Ling W, Zhang J, Yuan Z, **Ren G**, Zhang L, Chen X, Rabson AB, Roberts AI, Wang Y, Shi Y. Humanized Murine Mesenchymal Stem Cells Reveal a Critial Role for IDO in Immunity to Tumor. ***Cancer Research***, 2014 Mar 1;74(5):1576-87.

19. Su J, Chen X, Huang Y, Li W, Li J, Cao K, Cao G, Zhang L, Li F, Roberts AI, Kang H, Yu P, **Ren G**, Ji W, Wang Y, Shi Y. Phylogenetic Distinction of iNOS and IDO Function in Mesenchymal Stem Cell-Mediated Immunosuppression in Mammalian Species. ***Cell Death & Differentiation***. 2014 Mar;21(3):388-96.

20. Chen Q, Shou P, Zhang L, Xu C, Zheng C, Han Y, Li W, Huang Y, Zhang X, Shao C, Roberts AI, Rabson AB, **Ren G**, Zhang Y, Wang Y, Denhardt D, Shi Y. Osteopontin Plays a Critical Role in Directing Adipogenesis and Osteogenesis of Mesenchymal Stem Cells. ***Stem Cells.*** 2014 Feb;32(2):327-37.

21. Zhang J, Roberts AI, Liu C, **Ren G**, Xu G, Zhang L, Devadas S, Shi Y. A Novel Subset of Helper T Cells Promotes Immune Responses by Secreting GM-CSF. ***Cell Death & Differentiation.*** 2013 Dec;20(12):1731-41.

22. Xu C, **Ren G**, Cao G, Chen Q, Shou P, Zheng C, Du L, Han X, Jiang M, Yang Q, Lin L, Wang G, Yu P, Zhang X, Cao W, Brewer G, Wang Y, Shi Y. MiR-155 Regulates Immune Modulatory Properties of Mesenchymal Stem Cells by Targeting TAK1-binding Protein 2. ***J Biol Chem***. 2013 Apr 19;288(16):11074-9.

23. **Ren G**, Kang Y. A one-two punch of miR-126/126* against metastasis (news and views). ***Nature Cell Biology.*** 2013 Mar 1;15(3):231-3.

24. **Ren G**, Zhao X, Wang Y, Zhang X, Chen X, Xu C, Yuan ZR, Roberts AI, Zhang L, Zheng B, Wen T, Han Y, Rabson AB, Tischfield JA, Shao C, Shi Y. CCR2-Dependent Recruitment of Macrophages by Tumor-Educated Mesenchymal Stromal Cells Promotes Tumor Development and Is Mimicked by TNFα. ***Cell Stem Cell***. 2012 Dec 7;11(6):812-24.

    Highlighted by: Mantovani A. ***Cell Stem Cell***. 11:730-32. 2012.

25. Li W, **Ren G**, Huang Y, Su J, Han Y, Li J, Chen X, Cao K, Chen Q, Shou P, Zhang L, Yuan ZR, Roberts AI, Shi S, Le AD, Shi Y. Mesenchymal stem cells: a double-edged sword in regulating immune responses. ***Cell Death & Differentiation***. 2012 Sep;19(9):1505-13.

26. L'Huillier A, **Ren G**, Shi Y, Zhang J. A two-hit model of autoimmunity: lymphopenia and unresponsiveness to TGF-β signaling. ***Cell Mol Immunol*** 2012 Sep;9(5):369-70.

27. Shao Q, Ning H, Lv J, Liu Y, Zhao X, **Ren G**, Feng A, Xie Q, Sun J, Song B, Yang Y, Gao W, Ding K, Yang M, Hou M, Peng J, Qu X. Regulation of Th1/Th2 polarization by tissue inhibitor of metalloproteinase-3 via modulating dendritic cells. ***Blood***. 2012 May 17;119(20):4636-44.

28. Shi Y*, Su J, Roberts AI, Shou P, Rabson AB, **Ren G*** (**corresponding author**). How mesenchymal stem cells interact with tissue immune responses. ***Trends in Immunology*** (invited review). 2012 Mar;33(3):136-43 (**cover story**).

29. **Ren G**, Chen X, Dong F, Li W, Ren X, Zhang Y, Shi Y. Concise review: mesenchymal stem cells and translational medicine: emerging issues. ***Stem Cells Translational Medicine*** (invited review). 2012 Jan;1(1):51-8 (Inaugural Issue).

30. Shi Y, Wei L, Wang Y, **Ren G**. Stem cells deployed for bone repair hijacked by T cells (preview). ***Cell Stem Cell***. 2012 Jan 6;10(1):6-8.

31. Yamaza T, **Ren G**, Akiyama K, Chen C, Shi Y, Shi S. Mouse mandible contains distinctive mesenchymal stem cells. ***J Dent Res***. 2011 Mar;90(3):317-24.

32. Krause CD, Izotova LS, **Ren G**, Yuan ZR, Shi Y, Chen CC, Ron Y, Pestka S. Efficient co-expression of bicistronic proteins in mesenchymal stem cells by development and optimization of a multifunctional plasmid. ***Stem Cell Res Ther***. 2011 Mar 14;2(2):15.

33. Hu G, **Ren G**, Shi Y. The putative cannabinoid receptor GPR55 promotes cancer cell proliferation. ***Oncogene*** (commentary). 2011 Jan 13;30(2):139-41.

34. **Ren G**, Roberts AI, Shi Y. Adhesion molecules: key players in Mesenchymal stem cell-mediated immunosuppression. ***Cell Adhesion and Migration*** (invited review). 2011 Jan-Feb;5(1):20-2.

35. Shi Y, Hu G, Su J, Li W, Chen Q, Shou P, Xu C, Chen X, Huang Y, Zhu Z, Huang X, Han X, Xie N, **Ren G**. Mesenchymal stem cells: a new strategy for immunosuppression and tissue repair. ***Cell Research*** (invited review). 2010 May;20(5):510-8.

36. **Ren G**, Zhao X, Zhang L, Zhang J, L'Huillier A, Ling W, Roberts AI, Le AD, Shi S, Shao C, Shi Y. Inflammatory cytokine-induced intercellular adhesion molecule-1 and vascular cell adhesion molecule-1 in mesenchymal stem cells are critical for immunosuppression. ***Journal of Immunology***. 2010 Mar 1;184(5):2321-8.

37. Zhao X, **Ren G (co-1st)**, Liang L, Ai PZ, Zheng B, Tischfield JA, Shi Y, Shao C. Brief report: interferon-gamma induces expansion of Lin(-)Sca-1(+)C-Kit(+) Cells. ***Stem Cells***. 2010 Jan;28(1):122-6.

As a PhD student (Sept 2004~June 2009):

38. **Ren G**, Su J, Zhang L, Zhao X, Ling W, L'huillie A, Zhang J, Lu Y, Roberts AI, Ji W, Zhang H, Rabson AB, Shi Y. Species variation in the mechanisms of mesenchymal stem cell-mediated immunosuppression. ***Stem Cells***. 2009 Aug;27(8):1954-62.

39. Das J, **Ren G (co-1st)**, Zhang L, Roberts AI, Zhao X, Bothwell AL, Van Kaer L, Shi Y, Das G. Transforming growth factor beta is dispensable for the molecular orchestration of Th17 cell differentiation. ***The Journal of Experimental Medicine***. 2009 Oct 26;206(11):2407-16.

    Editorial by: Maxmen A. ***The Journal of Experimental Medicine***. 206: 2304. 2009.

40. Xu G, Zhang Y, Zhang L, **Ren G**, Shi Y. Bone marrow stromal cells induce apoptosis of lymphoma cells in the presence of IFNgamma and TNF by producing nitric oxide. ***Biochem Biophys Res Commun***. 2008 Oct 31;375(4):666-70.

41. **Ren G**, Zhang L, Zhao X, Xu G, Zhang Y, Roberts AI, Zhao RC, Shi Y. Mesenchymal stem cell-mediated immunosuppression occurs via concerted action of chemokines and nitric oxide. ***Cell Stem Cell***. 2008 Feb 7;2(2):141-50. (**Featured Article**).

    Highlighted by: Fleming HE. ***Cell***. 132: 507. 2008.
    Bell E. ***Nature Reviews Immunology***. 8: 165. 2008.
    Keating A. ***Cell Stem Cell***. 2:106-108. 2008.

42. **Ren G**, Su J, Zhao X, Zhang L, Zhang J, Roberts AI, Zhang H, Das G, Shi Y. Apoptotic cells induce immunosuppression through dendritic cells: critical roles of IFN-gamma and nitric oxide. ***Journal of Immunology***. 2008 Sep 1;181(5):3277-84.

43. Xu G, Zhang Y, Zhang L, **Ren G**, Shi Y. The role of IL-6 in inhibition of lymphocyte apoptosis by mesenchymal stem cells. ***Biochem Biophys Res Commun***. 2007 Sep 28;361(3):745-50.

44. Xu G, Zhang L, **Ren G (co-1st)**, Yuan Z, Zhang Y, Zhao RC, Shi Y. Immunosuppressive properties of cloned bone marrow mesenchymal stem cells. ***Cell Research***. 2007 Mar;17(3):240-8.

45. Shi Y, Liu CH, Roberts AI, Das J, Xu G, **Ren G**, Zhang Y, Zhang L, Yuan ZR, Tan HS, Das G, Devadas S. Granulocyte-macrophage colony-stimulating factor (GM-CSF) and T-cell responses: what we do and don't know ***Cell Research*** (review). 2006 Feb;16(2):126-33.

MENTOR OF POSTDOCTORAL/GRADUATE/UNDERGRADUATE TRAINEES

Chaojia Chen	Postdoctoral Associate at The Jackson Laboratory	2023.01-
Carlos Leon	Postbacc Fellow at The Jackson Laboratory	2021.08-2023.01
Jiatai He	PhD student at UMaine/The Jackson Laboratory	2020.08-
Zheng Gong	Postdoctoral Associate at The Jackson Laboratory	2019.11-2022.12
Ming Lu	Visiting Scholar at The Jackson Laboratory	2018.12-2020.04
Qing Li	Postdoctoral Associate at The Jackson Laboratory	2018.09-2022.12
Sarah Marsden	Summer student at The Jackson Laboratory	2018.06-2018.08
Kevin Hayes	Summer student at The Jackson Laboratory	2017.06-2017.08
Danielle Harmer	Rotation PhD student at The Jackson Laboratory	2017.09-2017.12
Peishan Li	Postdoctoral Associate at The Jackson Laboratory	2017.07-2020.8
Li Hua	Postdoctoral Associate at The Jackson Laboratory	2017.03-2020.9

INVITED SEMINARS/LECTURES/TALKS

1. Stromal cell-immune cell interactions in the lung pre-metastatic niche. Chinese Biological Investigators Society (CBIS) 13th Biennial Meeting. Las Vegas. December 2022.

2. Stromal Cell-Immune Cell Interactions in the Lung Metastatic Niche. Baylor College of Medicine. November 2022.

3. Mesenchymal cell-myeloid cell interactions in breast cancer metastasis (keynote speaker). The 2nd AHMU International Conference on Cancer & Immunology. December 2021.

4. Stromal Cell-Immune Cell Interactions in Breast Cancer Metastasis. Department of Toxicology and Cancer Biology, University of Kentucky. November 2021.

5. Stromal Cell-Immune Cell Interactions in Mouse Models of Cancer. 30th Short Course on Experimental Models of Human Cancer. August 2021.

6. Lung mesenchymal cells elicit the lipid-laden neutrophils to fuel breast cancer lung metastasis. Tufts University School of Medicine. May 2020.

7. Targeting Mesenchymal Stromal Cells to Improve Therapeutic Efficacy in Breast Cancer (keynote speaker). 14th Asia Pacific Multidisciplinary Meeting for Cancer Research. Hong Kong, China. Nov 2018.

8. Mesenchymal stem cells: from regeneration to cancer biology. The MDI Biological Laboratory, Bar Harbor, ME. May 9, 2017.

9. Mesenchymal stromal cells in cancer. Shandong University School of Medicine, Jinan, China. April 17, 2017.

10. Turning the dark sides of MSCs into novel adjuvants for cancer immunotherapy. Roadmap to Translation: Harvard Stem Cell Institute (HSCI)'s Mesenchymal Stem Cell Colloquium. March 2016.

11. Stromal cell-immune cell interactions in tumor progression and therapy responses. The University of North Carolina at Chapel Hill (faculty candidate talk). March 2016.

12. Stromal cell-immune cell interactions in tumor progression and therapy responses. Sanford Burnham Prebys Medical Discovery Institute (faculty candidate talk). March 2016.

13. Stromal cell-immune cell interactions in tumor progression and therapy responses. Duke University (faculty candidate talk). February 2016.

14. Stromal cell-immune cell interactions in tumor progression and therapy responses. Fox Chase Cancer Center (faculty candidate talk). February 2016.

15. Stromal cell-immune cell interactions in tumor progression and therapy responses. New York University (faculty candidate talk). February 2016.

16. Stromal cell-immune cell interactions in tumor progression and therapy responses. Cancer Institute of New Jersey, Rutgers University (faculty candidate talk). January 2016.

17. Stromal cell-immune cell interactions in tumor progression and therapy responses. The Jackson Laboratory (faculty candidate talk). January 2016.

18. Stromal cell-immune cell interactions in tumor progression and therapy responses. Dana Farber Cancer Institute, Harvard University (faculty candidate talk). January 2016.

19. Cancer Cells Induce A Self-amplifying Loop of Extramedullary Hematopoiesis through The SCF/KIT Pathway. Princeton-Rutgers Cancer Institute of New Jersey Mini-Retreat: Tumor Microenvironment and Progression. Princeton, NJ, 2014.

20. Role of Mesenchymal Stromal Cells in Tumor Progression. Cancer Pharmacology and Pre-Clinical Therapeutics Program Meeting, New Jersey, USA. April 2012.

21. Mesenchymal Stem Cells and Immunomodulation. Regenerative Medicine & Stem Cell Seminars of New Jersey, New Jersey, USA. June 2011.

22. Cancer cells induce a self-amplifying loop of splenic myelopoiesis in the mouse. American Association of Immunologists Annual Meeting. San Francisco, CA, 2011.

23. Bidirectional Interactions between Mesenchymal Stem Cells and Immune Responses: Good Grace and Bad Influence. The Chinese American Professionals Association of Metropolitan Washington, D.C. (CAPA) 2011 Annual Symposium. MD, USA, 2011.

24. Tumor-associated mesenchymal stem cells promote tumor development through CCR2-dependent recruitment of macrophages. International Conference & Exhibition on Cell Science & Stem Cell Research. PA, USA, 2011.

25. Tumor-derived mesenchymal stem cells promote tumor progression through recruitment of macrophages. The 2011 Annual Retreat on Cancer Research in New Jersey 2011.

26. Mesenchymal Stem Cells and Immunomodulation. Shandong University, China. October 2010.

27. Mesenchymal Stem Cells and the Immune System. Hospital for Special Surgery, New York, USA. July 2010.

28. Tumor Derived Mesenchymal Stem Cells Enhance Tumor Development via Nitric Oxide. American Association of Immunologists Annual Meeting. Baltimore, US. 2010.

29. Type II Interferon and Expansion of Hematopoietic Stem Cells. The First Annual Conference of Chinese Society for Stem Cell Biology, Shanghai, China. 2010.

30. Immunosuppression Induced by Inflammatory Cytokines in Mesenchymal Stem Cells. NJ Stem Cell Research Symposium. New Jersey, US. 2009.

31. Apoptotic Cells Induce Immunosuppression through Dendritic Cells: Critical Roles of Interferon-gamma and Nitric Oxide. American Association of Immunologists Annual Meeting. California, US. 2008.