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CURRICULUM VITAE

Bin Ren MD, PhD

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EDUCATION:

PhD, University of Science and Technology of China, Hefei
MD, Anhui Medical University, Hefei, China

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

7/2002 - 7/2005 Post Doctoral Fellowship, Pathology & BIDMC, Angiogenesis and Cancer Biology, Harvard University/Harvard Medical School, Boston, MA

7/2005 - 6/2006 Research Fellow, Brookdale Department of Geriatrics and Adult Development, Diabetes and Ageing, Mount Sinai Medical School, New York, NY

FACULTY APPOINTMENTS:

6/28/2006 - 8/28/2008 Research Associate , Medicine & Pharmacology and Toxicology, Angiogenesis Research Center, Dartmouth College/Dartmouth Medical School, Hanover, NH

8/28/2008 - 10/30/2011 Research Associate , Cell Biology, Cleveland Clinic Foundation Lerner Research Institute , Cleveland, OH

10/31/2011 - Present Research Scientist I, Blood Research Institute, Vascular Pathobiology, BloodCenter of Wisconsin, Milwaukee, WI

10/31/2011 - Present Assistant Professor, Medicine, Hematology and Oncology, Medical College of Wisconsin, Milwaukee, WI

5/3/2012 - Present Member, Clinical & Translational Science Institute of Southeast Wisconsin, Medical College of Wisconsin, Milwaukee, WI

10/18/2012 - Present Member, Cancer Center, Angiogenesis, Metastasis, & the Tumor Microenvironment (AMTM) Research Program, Medical College of Wisconsin, Milwaukee, WI

AWARDS AND HONORS:

8/1/2002 - 7/30/2005 Post Doctoral Fellowship, Harvard Medical School/Harvard University
Young Investigator Travel Award, AHA Scientific Session
National scholarship for training in medical degree and doctoral degree in China
Guanghua Award, USTC/Taiwan Guanghua Education Foundation
State Scientific Achievement of Anhui Province
Elsa Albrecht RA/PS Award (the 1st Place), Department of Cell Biology, Cleveland Clinic Lerner Research Institute
Cell Biology's Employee of the Quarter Award, Cleveland Clinic

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

Young Scientists Society in English in Anhui Province, China (President)
New York Academy of Science (Member)
Harvard Stem Cell Institute (Associate Member)
American Association of Cancer Research (Member)

Epigenetics Experts Networking (Member)
American Heart Association (Member)
Sigma Xi (The Scientific Research Society) (Member)
North American Vascular Biology Organization (Member)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorial Board

Chinese Pharmacological Bulletin
Frontiers in Bioscience (USA); Managing Editor-Tumor Growth and Metastasis: Molecular Signaling and Therapy

Journal Review

Cardiovascular Research
Journal of Clinical Investigation
Expert Opinion On Therapeutic Targets
Blood
Cancer Research
Journal of Experimental Medicine
Molecular Biology of the Cell
World Journal of Gastroenterology
Molecular and Cellular Biochemistry
Journal of Thrombosis and Haemostasis
Journal of Biological Chemistry

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

Member, National and Regional Joint Reviewer Committee in Cardiovascular Development, American Heart Association Study Section
Organizer, Cell Signaling Journal Club, Department of Cell Biology, Cleveland Clinic Lerner Research Institute
Member, Post Doctoral Fellow and Research Associate Committee , Department of Cell Biology, Cleveland Clinic Lerner Research Institute
Judge, ShowCASE Research Poster Presentation, Case Western Reserve University

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

Member, Cardiovascular Development/CT, American Heart Association Study Section
Member, Cardiovascular Development II, American Heart Association Study Section

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Obesity, LPA & Breast Cancer Angiogenesis
Source:	American Cancer Society Pilot Grant (National)
PI:	Bin Ren
Dates:	7/1/2012 - 7/1/2014
Title:	Epigenetic Regulation of CD36 Transcription & Angiogenesis
Source:	American Heart Association (National SDG)
PI:	Bin Ren
Dates:	1/1/2013 - 12/31/2016
Title:	Targeted proteomics for Transcriptional Regulation of CD36 and Angiogenesis
Source:	Medical College of Wisconsin Clinical Translational Science Institute (Core grant)
PI:	Bin Ren, Roy Silverstein
Title:	Regulation of the Anti-angiogenic Switch by CD36, Thrombospondin, and HRGP
Source:	NIH/NHLBI

Role:	Co-Investigator
PI:	Roy Silverstein

Pending

Peer Review

Title:	Transcriptional Regulation of Endothelial CD36 and Angiogenesis
Source:	American Hematology Society: ASH Minority Medical Student Award Program
Role:	Research Mentor
PI:	Adrian W. Sturich

Prior

Peer Review

Title:	Spatial and Temporal Regulation of Angiogenesis
Source:	NIH/NCI
Role:	Key Personnel
PI:	Harold F Dvorak
Title:	Aging and Vascular Disease: Role of Glycation
Source:	NIH/NIA
Role:	Co-Investigator
PI:	Helen Vlassara
Title:	Arteriogenesis (Angiogenesis) and Arterial Branching
Source:	NIH/NHLBI
Role:	Co-Investigator
PI:	Michael Simons

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

1. Bin REN, Sareh Parangi, Carole Perruzzi, Mark Duquette, Jack Lawler, Roya Khosravi-Far, Proapoptotic and Survival Signaling Pathways in Thrombospondin Type I Repeat Mediated Apoptosis in Human Microvascular Endothelial Cells, Harvard Medical School Pathology Retreat, Cape Cod, MA, 2003
2. Bin REN, Sareh Parangi, Carole Perruzzi, Mark Duquette, Eric Galardi, Jack Lawler, Roya Khosravi-Far, TSP-1-mediated Signaling Crosstalk with PI3K/Akt in Endothelial Cells, BIDMC Vascular Biology Center Retreat, Boston, MA, 2004
3. Bin REN, Molecular Signaling in Endothelial Cell Apoptosis Induced by Antiangiogenic TSP-1, Harvard Medical School/MGH Steele Lab, 2005
4. Bin REN, Sareh Parangi, Carole Perruzzi, Mark Duquette, Eric Galardi, Jack Lawler, Roya Khosravi-Far, 3TSR/TSP-1 Cooperates with TRAIL in Regulation of Endothelial Apoptosis, Harvard Medical School Pathology & Vascular Biology Center Retreat, Cape Cod & Boston, MA, 2005

Regional

1. Bin REN, Antiangiogenic Signaling and Apoptosis in Endothelial Cells, Mount Sinai School of Medicine Division of Ageing and Diabetes, New York, 2005
2. Bin REN, Molecular Signaling of Angiogenesis and Arteriogenesis, Yale University School of Medicine Wang Min Lab, New Haven, 2008

International

1. Bin REN, Bailing Wu, Functional Genomics and Angiogenesis: Challenges and Future Roadmap, ACGA International Symposium on Genome Medicine Oral Presentation, Shanghai, China, 2005
2. Bin Ren, Invited talk on Prospective in Angiogenesis , BIT’s 4th Annual Congress of NeuroTalk (declined) , Xi’an, China , 2013
3. Bin Ren, Angiogenesis and Arteriogenesis in Ischemic Cardiovascular Diseases, The 2nd Annual International Symposium of Hematology (declined), Xi'an, China, 2013

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

National

1. Bin REN, Major J, Robles J, Srikanthan S, Roy L. Silverstein, Lysophosphatidic Acid Suppresses Endothelial Cell CD36 Expression & Promotes Angiogenesis via a Novel PKCmu Signaling Pathway, ATVB Annual Conference Oral Presentation, Washington DC, WA, - 2009
2. Bin REN, Sareh Parangi, Carole Perruzzi, Mark Duquette, Eric Galardi, Jack Lawler, Roya Khosravi-Far, 3TSR/hTSP-1 induces both extrinsic and intrinsic apoptotic pathways and antagonizes VEGF-induced survival pathway, FASEB Summer Meeting Poster, Pine Mountain, GA, - 2004
3. Bin REN, Yiliang Chen, Brad Best, Jacob Kohlenberg, Peter Storz, Randy Peterson, Roy L Silverstein, Protein Kinase D-1 Regulates CD36 Transcription and Arteriogenic Differentiation of Endothelial Cells, AHA ATVB Annual Conference, Lake Buena Vista, FL, - 2013

International

1. Bin REN, Hale J, Ramakrishnan D, Roy L. Silverstein, HDAC 7 Couples LPA Signaling to Endothelial Cell CD36 Gene Regulation to Switch off TSP-1 Mediated Antiangiogenic Responses, AHA Scientific Session Oral Presentation, Chicago, IL, - 2010
2. Bin REN, Mukhopadhyay A. Lanahan AA, Zhuang Z, Moodie K, Randall T Peterson, Michael Simons, Recovery of ERK Signaling Restores Defective Angiogenesis and Arteriogenesis in Synectin-deficient Animals, AHA Scientific Session E-Poster and Oral Presentation, New Orleans, LA, - 2008
3. Bin REN, Lanahan A, Paye J, Moodie K, Zhuang Z, Randall T Peterson, Michael Simons, ERK Signaling: the Pivotal Regulator of Arterial Differentiation, AHA Scientific Session Poster, Orlando, FL, - 2007
4. Jacob Kohlenberg, Yiliang Chen, Brad Best, Peter Storz, Randy Peterson, Roy L Silverstein, Bin REN, A novel LPA-PKD-FoxO1 pathway in endothelial cells provides an angiogenic switch via down-regulation of CD36 transcription and induction of arteriogenic responses., AACR Annual Conference, 2013 (Late-breaking abstract), Washington DC, WA, - 2013
5. Bin REN, James Hale, Ling-Yun Chu, Roya Khosravi-far, Roy L Silverstein, Protein Kinase PKD-1 Signals HDAC7 to Regulate CD36 Transcription via FoxO1 in Endothelial Cells, NAVBO Cardiovascular Research Workshop Poster, Cape Cod, MA, - 2011
6. Bin REN, Xuejuan Jiang, Yuan Wang, Yuzhen Wang, Effects of Oxidized Low Density Lipoprotein on Endothelial Cells, The 9th Fats & Oils Latin American Conference, San José, Costa Rica, - 2001

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Yiliang Chen, Devi Prasadh Ramakrishnan, Bin REN*. Regulation of Angiogenesis by Phospholipid Lysophosphatidic Acid Frontiers in Bioscience (in press), 2012.
2. Bin REN, Hale J, Srikanthan S, Silverstein RL. Lysophosphatidic acid suppresses endothelial cell CD36 expression and promotes angiogenesis via a PKD-1-dependent signaling pathway. Blood. 2011;117(22):6036-45.
3. Hermans K, Claes F, Vandevelde W, Zheng W, Geudens I, Orsenigo F, De Smet F, Gjini E, Anthonis K, Bin REN, Kerjaschki D, Autiero M, Ny A, Simons M, Dewerchin M, Schulte-Merker S, Dejana E, Alitalo K, Carmeliet P. Role of synectin in lymphatic development in zebrafish and frogs. Blood. 2010;116(17):3356-66.
4. Bin REN, Yong Deng, Arpita Mukhopadhyay, Anthony A. Lanahan, Zhen W. Zhuang, Karen L. Moodie, Mary Jo Mulligan-Kerhoe1, Tatiana V. Byzova, Randall T. Peterson, Michael Simons. Erk1/2-Akt1 cross-talk-dependent regulation of arteriogenesis. Journal of Clinical Investigation, 2010; 120 (4):1217-28.
5. Bin REN, Keli Song, Sareh Parangi, Taiguang Jin, Min Ye, Robin Humphreys Mark Duquette, Xuefeng Zhang, Nordine Benhaga, Jack Lawler, and Roya Khosravi-Far. A double hit to kill tumor and endothelial cells by TRAIL and antiangiogenic 3TSR. Cancer Research 2009; 69 (9): 3856–65.
6. Bin REN, Yee KO, Lawler J, Khosravi-Far R. Regulation of Tumor Angiogenesis by Thrombospondin-1. Biochimca et Biophysica Acta 2006; 1765 (2): 178-188.
7. Huixian Liu, Feng Zheng, Jaime Uriberri, Bin REN, James R Tunstead, Gary E. Striker, Juan Badimon and Helen Vlassara. The Defensin, lysozyme ameliorates atherogenesis, responses to acute arterial injury and systemic oxidant stress in hyperlipidemic mice. Am J Pathol. 2006; 169(1):303-13.
8. Liu HX, Zheng F, Cao Q, Bin REN, Zhu L, Striker GE, Vlassara H. Amelioration of Oxidant Stress by the Defensin, Lysozyme. Am J Physiol Endocrinol Metab. Am J Physiol Endocrinol Metab. 2006; 290(5):E824-32.
9. *Bin REN, Yuan WANG, Kenneth Ndebele, Qiang ZHI, Fuhu Chen, Yuzhen WANG, Sareh Parangi. Multiple signaling is involved in apoptosis of endothelial cells induced by recombinant human

endostatin. Frontiers in Bioscience 10, 2005; 1089-1097.

10. Bin REN, Hoti N, Rabasseda X, Wang YZ, Wu M. The antiangiogenic and therapeutic implications of endostatin. Methods Find Exp Clin Pharmacol. 2003; 25:215-24.
11. Lijia Bu, Yuan Wang, Bin REN*. Molecular mechanisms of angiogenesis & osteotumorogenesis. Journal of Clinical Orthopaedics 2003; 6: 86-91 (Chinese).
12. Bin REN, Wang Y, Rabasseda X, Wang YZ. Recombinant human endostatin is beneficial to endothelial cell growth exposed to mildly oxidized low density lipoprotein. Methods Find Exp Clin Pharmacol. 2002; 24:195-9.
13. Bin REN, Nianchun ZHU, Qiang ZHI, Zhaofeng LUO, Yuzhen WANG. Effects of recombinant human endostatin on endothelial cell proliferation. Chinese Journal of Pharmacology and Toxicology 2002; 16: 195-201.
14. Zha XD, Bin REN, Liu J, Xu KS. cDNA cloning and high-level expression of a thrombin-like enzyme from Agkistrodon acutus venom. Methods Find Exp Clin Pharmacol. 2002; 24:195-9.
15. Bin REN, Zhu HQ, Luo ZF, Zhou Q, Wang Y, Wang YZ. Preliminary research on myosin light chain kinase in rabbit liver. World Journal of Gastroenterology 2001; 7 (6): 868-871.
16. LJ Xia, FH Chen, Bin Ren, XY Huang,QL Song, J Li. Effect of recombinant human endostatin on proliferation and cytokines production of synoviocytes from adjuvant arthritis rats in vivo. Chinese Pharmacological Bulletin. 2007; 23 (1):59-63.

Books, Chapters, and Reviews

1. Bin Ren (Chief Translator). Textbook of Gene Therapy (K.K. Jain). World Book Publishing Company, Xi'An, China. 2000.
2. Bin Ren. Cecil Textbook of Medicine. Section Chief Translator: Oncology; Human Immunodeficiency Virus and the Acquired Immunodeficiency Syndrom. World Book Publishing Company, Xi'an, China. 1999.
3. Bin Ren. Dowland's English-Chinese Medical Dictionary (28th). One of Chief Translators. World Book Publishing Company, Xi'an, China. 1998.
4. Bin Ren, Xiaofeng Yang (Chief Translators). Edward J. Steele, Robyn Lindley Robert V. Blanden (authors). Lamarck's Signature : How Retrogenes Are Changing Darwin's Natural Selection Paradigm. Xinhua News Press, Beijing, China,2002.

Abstracts

1. Bin REN, James Hale, Ling-Yun Chu, Roya Khosravi-Far, Roy L. Silverstein. Protein Kinase PKD-1 Signals HDAC7 to Regulate CD36 Transcription via FoxO1 in Endothelial Cells. NAVBO Workshop on the Biology of Signaling in Cardiovascular System 2011.
2. Bin REN, James Hale, Devi P. Ramakrishnan, Roy L. Silverstein. HDAC 7 Couples LPA Signaling to Endothelial Cell CD36 Gene Regulation to Switch off TSP-1 Mediated Antiangiogenic Responses. Circulation. 2010; 122:A12757.
3. Bin REN, Jennifer Major, Jennifer Robles, Sowmya Srikanthan, Roy L. Silverstein. Lysophosphatidic Acid Suppresses Endothelial Cell CD36 Expression and Promotes Angiogenesis via a Novel PKCmu Signaling Pathway. Arterioscler Thromb Vasc Biol 2009; 29; e9-e130.
4. Bin REN, Arpita Mukhopadhyay . Anthony A. Lanahan, Zhen W. Zhuang, Karen L. Moodie, Randall T. Peterson, Michael Simons. Recovery of ERK signaling restores defective angiogenesis and arteriogenesis in synectin-deficient animals. Circulation 2008; 118: S_576.
5. Bin REN, Anthony A. Lanahan, Julie Paye, Karen L Moodie, Zhen W Zhuang, Randall T Peterson, Michael Simons. ERK Signaling: the Pivotal Regulator of Arterial Differentiation. Circulation 2007; 116 (16): 112.
6. Bin REN, Sareh Parangi, Carole Perruzzi, Mark Duquette, Eric Galardi, Jack Lawler, Roya Khosravi-Far. 3TSR/hTSP-1 induces both extrinsic and intrinsic apoptotic pathways and antagonizes VEGF-induced survival pathway. FASEB Summer Meeting. Georgia, June, 2004.
7. Bin REN, Bailing Wu. Functional Genomics and Angiogenesis: Challenges and Future Roadmap. ACGA International Symposium on Genome Medicine. June, 2005. Shanghai.
8. Bin REN, Xuejuan Jiang, Yuan Wang, Yuzhen Wang. Effects of oxidized low density lipoprotein on endothelial cells. The 9th Fats & Oils Latin American Conference. San José, Costa Rica, 2001.