Yang Jin, MD, PhD
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ACADEMIC TRAINING

1997	PhD	Toxicology; Rutgers-The State University of New Jersey/Robert Wood Johnson Medical School, New Brunswick, NJ
1992	MD	Clinical Medicine; Beijing Medical University/Peking University Health Science Center, Beijing, China

POSTDOCTORAL TRAINING

7/03-6/06	Clinical Fellow, Pulmonary and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA
7/01-6/03	Resident, Internal Medicine, University of Rochester/Rochester General Hospital Program, Rochester, NY
7/00-6/01	Intern, Internal Medicine, University of Rochester/Rochester General Hospital Program, Rochester, NY
6/99-6/00	Intern, Transitional Year, Spectrum Health, Grand Rapids, MI
8/97-6/99	Post-doctoral Research Fellow, National Institutes of Health, Bethesda, MD

ACADEMIC APPOINTMENTS

7/15-	Associate Professor of Medicine, Boston University, Boston, MA
9/09-6/15	Assistant Professor of Medicine, Harvard Medical School, Boston, MA
7/06-8/09	Assistant Professor of Medicine, University of Pittsburgh, Pittsburgh, PA

HOSPITAL APPOINTMENTS

7/15-	Attending Physician, Pulmonary and Critical Care Medicine, Boston University Medical Center, Boston, MA
9/09-6/15	Associate Physician, Pulmonary and Critical Care Medicine, Brigham and Women's Hospital, Boston, MA
7/06-8/09	Attending Physician, Pulmonary and Critical Care Medicine, University of Pittsburgh Medical Center, Pittsburgh, PA

HONORS AND AWARDS

2019	Best Paper of the Year Award, Immunotoxicology Specialty Section, Society of Toxicology; Journal of immunology 201: 1500-1509, 2018.
2019	Best Paper of the Year Award, Inhalation and Respiratory Specialty Section, Society of Toxicology; Journal of immunology 201: 1500-1509, 2018.
2018	Outstanding Mentor Award, Undergraduate Research Opportunities Program, Boston University
2017-2018	Wing Tat Lee Award - Boston University
2006-2011	Mentored Clinical Scientist Development Award (K08), National Institutes of Health
2009-2010	Carl Booberg Research Award, American Thoracic Society (ATS)
2006	Fellow to Faculty Transition Award, American Heart Association (declined – K08 recipient)
2005-2006	Ruth L. Kirschstein National Research Service Award (NRSA) (F32), National Institutes of Health
2003	Senior Resident Scholarship Award, Rochester General Hospital
1997-1999	Intramural Research Training Award, National Institutes of Health

LICENSES AND CERTIFICATION

2009-	MD license – MA
2006-2027	American Board of Internal Medicine – Critical Care Medicine
2005-2026	American Board of Internal Medicine – Pulmonary Disease
2003-2013	American Board of Internal Medicine – Internal Medicine
2003-2016	MD license – PA

DEPARTMENTAL AND UNIVERSITY COMMITTEES

2002-2003	Critical Care Committee, Rochester General Hospital

TEACHING EXPERIENCE AND RESPONSIBILITIES

Teaching of Students in Courses

2017-2018	Pulmonary fellows research course
2012-2015	Basic lab skills, 2rd/3rd Yr Pulmonary Fellow, Research Fellow Brigham and Women's Hospital, Harvard Medical School, Boston, MA
2006-2009	Morning Lecture (Critical Care) for Medical Students 3rd/4th Yr Medical Students, University of Pittsburgh Medical Center
2003-2003	Didactic Lecture (Medicine: Respiratory failure, Renal failure, Hemodynamic monitor, metabolic acidosis) for Medical Students 3rd/4th Yr Medical Students, Rochester General Hospital, Rochester, NY
2002-2003	Evidence-base Medicine for Medical Students 3rd/4th Yr Medical Students, Rochester General Hospital, Rochester, NY

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2017-2018	Pulmonary fellow research course
2012-2015	Basic lab skills, 2rd/3rd Yr Pulmonary Fellow, Research Fellow Brigham and Women's Hospital, Harvard Medical School, Boston, MA
2006-2009	*Morning Lecture* on Critical Care Medicine, Residents, Clinical Fellows University of Pittsburgh Medical Center, Pittsburgh, PA
2006-2015	*Didactic Lecture* on Critical Care Medicine, Residents, Medical Students University of Pittsburgh Medical Center- St. Margaret's Hospital, Pittsburgh, PA

Clinical Supervisory and Training Responsibilities

2015-	Supervise and train pulmonary fellows in the Medical Intensive Care Units at the Boston Medical Center, Boston, MA
2010-2015	Supervise and train pulmonary fellows in the Chronic Ventilator Units at the Partners/Spaulding Hospital, Cambridge, MA
2006-2009	Supervise and train internal medicine residents and pulmonary /critical care fellows in the Intensive Care Units (ICU), University of Pittsburgh Medical Center, Pittsburgh, PA
2008-2009	Supervise and train nurse practitioner and physician assistant in Select specialty hospital, University of Pittsburgh Medical Center, Pittsburgh, PA
2006-2009	Supervise and train family medicine residents in the Intensive Care Units (ICU), University of Pittsburgh Medical Center- St. Margaret's Hospital, Pittsburgh, PA

Laboratory and Other Research Supervisory and Training Responsibilities

2015- Supervise and train post-doc research fellows, visiting pulmonary fellow and graduate student (s) in laboratory
Cellular and molecular mechanisms of acute lung injury and sepsis, Boston University Medical Campus, Boston, MA

2009-2015 Supervise and train post-doc research fellows, visiting pulmonary fellow and technician (s) in laboratory
Cellular and molecular mechanisms of acute lung injury and sepsis, Brigham and Women's Hospital, Boston, MA

2006-2009 Supervise and train post-doc research fellows and technician (s) in laboratory
Cellular and molecular mechanisms of acute lung injury, University of Pittsburgh Medical Center, Pittsburgh, PA

MAJOR MENTORING ACTIVITIES

Mentee Name	Dates	Mentee Position	Project/Product	Current Position
Yong Cao	2013-2015	Research Fellow	Acute Lung Injury	Associate Professor, Tongji Medical University, WuHan, China
Jincheng Yang	2013-14	Student Mentee	Acute Lung Injury	PhD candidate at University of California at San Diego
Angela Zheng	2013-14	Student Mentee	Pulmonary Hypertension	Medical Student at Albany Medical College
Hyung-Geun Moon, PhD	2012-15	Post-doc Fellow	Acute Lung Injury Sepsis	Assistant Research Professor, University of Illinois at Chicago
Yijie Zheng, PhD	2012-13	Post-doc Fellow	Sepsis	Medical Scientist AstraZeneca
Seonjin Lee, PhD	2011	Post-doc Fellow	Pulmonary Hypertension	Senior Principal Investigator at Korea Research Institute of Bioscience and Biotechnology, Daejeon, Republic of Korea
Shuquan Wei, MD	2011-12	Research Fellow	Acute Lung Injury	Associate Professor at Guangzhou Medical College, Guangzhou, China.
Jiaofei Cao, MD, MS	2007-08	Post-doc Fellow	Acute Lung Injury	Faculty Member, Zhejiang University, Binjiang Hospital, China.
Duo Zhang, PhD	2015-	Post-doc Fellow	Acute Lung Injury	Instructor, Boston University. NIH K99/R00 Awardee 2018.
Jonathan Carnino	2018-	Undergraduate student	Acute Lung Injury	Recently awarded Undergraduate Research Opportunities Program (UROP) award by BU
Kareemah Ni	2018-	Undergraduate student	Lung inflammation and Aging	Recently awarded Undergraduate Research Opportunities Program (UROP) award by BU
Michael Groot	2017-	Master student	Lung Injury	Will enter Boston University Medical School the coming August 2019 (Class of 2019)

OTHER PROFESSIONAL ACTIVITIES

PROFESSIONAL SOCIETIES: MEMBERSHIPS, OFFICES, AND COMMITTEE ASSIGNMENTS

2006-2008	International Lung Health Committee
	American Thoracic Society (ATS)
2003-	American Thoracic Society (ATS)
2003-	Society of Critical Care Medicine (SCCM)
2018-	American Association of Immunologist (AAI)

Review Panels

2019-2022	*Member*, NIH study section Surgery, Anesthesia & Trauma (Starting date Oct. 2019)
2018	*Ad hoc* reviewer, NIH study section Special Emphasis Panel for RM grant
2018	*Ad hoc* reviewer, NIH study section Surgery, Anesthesia & Trauma
2018	*Ad hoc* reviewer, NIH study section R35 Special Emphasis Panel
2018	*Ad hoc* reviewer, NIH study section Special Emphasis Panel
2017	*Ad hoc* reviewer, NIH study section Special Emphasis Panel
2017	*Ad hoc* reviewer, NIH study section Special Emphasis Panel
2016	*Ad hoc* reviewer, NIH study section Special Emphasis Panel
2015	*Ad hoc* reviewer, NIH study section Surgery, Anesthesia & Trauma
2015	*Ad hoc* reviewer, NIH study section Special Emphasis Panel
2015	Reviewer, Department of Defense (DOD), IIRA
2015	Reviewer, Department of Defense (DOD), Discover Grant
2015	*Ad hoc* reviewer, NIH study section Special Emphasis Panel
2014	*Ad hoc* reviewer, NIH study section Surgery, Anesthesia & Trauma
2014	*Ad hoc* reviewer, NIH study section Special Emphasis Panel

International Review Panels

2019	The Netherlands Organisation for Scientific Research (NWO), Netherlands
	Raine Medical Research Foundation, Australia
2018	Czech Health Research Council, CZ
2017	Imperial College of London, UK
2017	National Science Foundation, China

CURRENT GRANT SUPPORT

2017-2020 Development of RNA molecule enriched, cell specific exosomes
NIH 1R33 AI121644, Total Cost: $471,477
PI: Yang Jin

2014-2020 Mechanistic insights into the systemic inflammation and organ failure in sepsis,
NIH 1R01 GM111313, Total Cost: $1,249,696
PI: Yang Jin

2018-2022 Mechanistic insights of Inflammation and organ failure after trauma or critical illness
NIH 1R01 GM127596, Total Cost: $1,253,052
PI: Yang Jin

2019-2021 Potential markers for macrophage pro-inflammatory activation after lung injury
NIH 1R21 HL148469-01; Total Cost: $250,500
(PENDING, with fundable score)
PI: Yang Jin

Pending Grants

R01HL142758A1; **PI: Yang Jin;** LncRNA and inflammation; (waiting for council review results)

R01HL144646A0; **Co-PI: Yang Jin**; Cyr61 and vascular diseases 35% percentile; (re-submission pending)

R01HL149367A0; **PI: Yang Jin**; Pending IRG review in June, 2019

Completed Grants

2017-2018 Role of miRNAs in the pathogenesis of COPD
Wing Tat Lee Award Boston University, Total Cost: $40,000
PI: Yang Jin

2015-2017 Development of RNA molecule enriched, cell specific exosomes
NIH 1R21 AI121644-01, Total Cost: $250,000
PI: **Yang Jin**

2011-2017 Cross talk between cav-1 and flot1 in lung injury
NIH 1R01 HL102076-01A1, Total Cost: $2,068,100
PI: Yang Jin

2011-2015 Role of Cyr61 in Cigarette Smoking induced Emphysema
Flight Attendant Medical Research Institute Clinical Investigator Award (FAMRI CIA), Total Cost: $300,000
PI: Yang Jin

2006-2011 **NIH K08** HL085601, Total Cost: $631,125
PI: Yang Jin

2009-2011 ATS unrestricted research grant, American Thoracic Society
Total Cost: $ 100,000
PI: Yang Jin

2006
Fellow to Faculty Transition Award, American Heart Association (declined – K08 recipient), Total cost: $450,000 (declined due to acceptance of K08)
PI: Yang Jin

2005-2006 NRSA Individual Fellowship Award (F32), National Institutes of Health
Total cost: $53,282
PI: Yang Jin

Invited Lectures and Presentations

International

2014 Mechanistic Roles of microRNA in sepsis
PLA General Hospital, Beijing, China

2012 Develop translational research projects during residency.
Peking University Cancer Hospital, Beijing, China

National

2019	Extracellular Vesicles in macrophage-epithelial cell cross talk. Invited Symposium Speaker, Society of Toxicology (SOT) Annual Meeting
2018	Role of EVs in sepsis associated lung injury. University of Massachusetts Medical School, Dept of Infectious Diseases.
2017	Epithelial-macrophage crosstalk: a novel role of EVs University of Maryland, Emergency Department
2016	Exosomes: the language of epithelial cells Brown University, Ocean State Research Institute
2014	MicroRNA involves in the development of ARDS Ohio State University, Pulmonary and CCM
2014	Lipid raft proteins in sepsis and SIRS University of Maryland, Baltimore, MD, PCCM
2013	Role of lipid raft protein in acute lung injury University of Chicago, Pulmonary and CCM

Local

2017	Epithelial-macrophage crosstalk: a novel role of EVs Pulmonary Center, Boston University
2016	Communications between epithelium and macrophages Pulmonary Center, Boston University
2012	Role of CCN1 in pulmonary hypertension Department of Medicine, Pulmonary Division, University of Pittsburgh
2011	Role of cav-1 in lung injury Department of Medicine, Pulmonary Division, University of Pittsburgh
2008	Function of cav-1 in hyperoxia induced lung injury (Pulmonary Grand Rounds) Department of Medicine, Pulmonary Division, University of Pittsburgh
2003	Tight glucose control in medical intensive care units (guest speaker – research conference)
2003	Rochester General Hospital (Pfizer) HIV related interstitial lung disease (Grand Rounds) Department of Medicine, Pulmonary Division, University of Rochester

Publications

ORIGINAL, PEER REVIEWED RESEARCH ARTICLES

1. H Lee, M Groot, M Pinilla-Vera, LE Fredenburgh, **Y Jin***. Identification of miRNA-rich vesicles in bronchoalveolar lavage fluid: Insights into the function and heterogeneity of extracellular vesicles. Journal of Controlled Release 294: 43-52, 2018.
2. D Zhang, H Lee, X Wang, A Rai, M Groot and **Y Jin*.** Exosome-mediated small RNA delivery in vivo: a novel therapeutic approach for inflammatory lung responses. Molecular Therapy 26: 2119-2130.
3. H Lee, D Zhang, D Laskin and **Y Jin*.** Functional evidence of pulmonary extracellular vesicles in infectious and noninfectious lung inflammation. Journal of immunology 201: 1500-1509, 2018.
4. H Lee, E Abston, D Zhang, A Rai and **Y Jin*.** Extracellular vesicle: An emerging mediator of intercellular crosstalk in lung inflammation and injury. Frontiers in Immunology 9: 924, 2018.
5. H Lee, D Zhang, J Wu, LE Otterbein and **Y Jin*.** Lung epithelial cell-derived microvesicles regulate macrophage migration via microRNA-17/221-induced integrin β1 recycling. Journal of Immunology 199: 1453-1464, 2017.

6. Zhu Z, Zhang D, Lee H, Menon AA, Wu J, Hu K, **Jin Y***. Macrophage-derived apoptotic bodies promote the proliferation of the recipient cells via shuttling microRNA-221/222. Journal Leukocyte Biology 10: 1349-1359, 2017.
7. H Lee, D Zhang, Z Zhu, CS Dela Cruz and **Y Jin*.** Epithelial cell-derived microvesicles activate macrophages and promote inflammation via microvesicle-containing microRNAs. Scientific Reports 2 6: 35250, 2016.
8. D Zhang, H Lee, JA Haspel and **Y Jin*.** Long non-coding RNA FOXD3-AS1 regulates oxidative stress-induced apoptosis via sponging microRNA-150. FASEB 31: 4472-4481, 2017.
9. Zhang D, Lee H, Zhu Z, Minhas JK, **Jin Y*.** Enrichment of selective miRNAs in exosomes and delivery of exosomal miRNAs in vitro and in vivo. Am J Physiol Lung Cell Mol Physiol 312: L110-121, 2017.
10. Y Cao, D Zhang, HG Moon, H Lee, JA Haspel, K Hu, L Xie and **Y Jin*** MiR-15a/16 Regulates apoptosis of lung epithelial cells after oxidative stress. Molecular Medicine 22: 233-243, 2016.
11. D Zhang, H Lee, Y Cao, C. Dela Cruz and **Y Jin*.** MiR-185 mediates lung epithelial cell death after oxidative stress. Am J Physiol Lung Cell Mol Physiol 10: L700-710.
12. S-J Lee, M Zhang, K Hu, L Lin and **Y Jin*.** CCN1 suppresses pulmonary vascular smooth muscle contraction in response to hypoxia. Pulmonary Circulation 5: 716-722.
13. HG Moon, Y Cao, J Yang, JH Lee, HS Choi and **Y Jin*.** Lung epithelial cell-derived exosomes activate macrophage-mediated inflammatory responses after oxidative stress: an intercellular cross-talk. Cell Death and Disease e2016, 2015.
14. L Lin, **Y Jin**, K Hu. Tissue-type plasminogen activator (tPA) promotes M1 macrophage survival through p90RSK and p38 MAPK pathway. Journal of Biological Chemistry 290: 7910-7917, 2015.
15. H Wang, B Yu, J Deng, **Y Jin** (co-corresponding author) and L Xie. Serum miR-122 correlates with short-term mortality in sepsis patients. Critical Care 18: 704, 2014.
16. J Li, W Zhou, K Huang, **Y Jin**, J Gao. IL-22 exacerbates pulmonary inflammation in mice after acute exposure of cigarette smoke Acta Pharmacol Sin 35: 1393-1401, 2014.
17. Moon HG, Yang JC, Zheng Y, **Jin Y*.** miR-15a/16 regulates macrophage phagocytosis after bacterial infection. Journal of Immunology 193: 4558-4567, 2014.
18. HG Moon, SH Kim, J Gao, T Quan, Z Qin, Y Tesfaigzi, **Y Jin***. CCN1 secretion and cleavage regulate the lung epithelial cell functions in cigarette smoke-associated emphysema. Am J Physiol Lung Cell Mol Physiol. 307: L326-337, 2014.
19. L Lin, **Y Jin**, WM Mars, WB Reeves, K Hu. Myeloid-derived tPA promotes macrophage motility through FAK and Rac1 pathway. American Journal Pathology 184: 2757-2767, 2014.
21. W Wang, Y Ye, J Li, X Li, X Zhou, D Tan, **Y Jin**, E Wu, Q Cui, M Wu. Lyn regulates cytotoxicity in respiratory epithelial cells challenged by cigarette smoke extracts. Current Molecular Medicine 14: 663-672, 2014.
22. HG Moon, Z Qin, T Quan, C Dela Cruz, **Y Jin.** Matrix protein CCN1 induced by bacterial DNA/CpG ODN limits lung inflammation and contributes to innate immune homeostasis. Mucosal immunology 8: 243-253, 2014.
21. G Li, J Fox, III, Z Liu, J Liu, GF Gao, **Y Jin**, H Gao, M Wu. Lyn mitigates mouse airway remodeling by down-regulating the TGF-b3 isoform in house dust mite models. Journal of Immunology. 191: 5359-5370, 2013.
22. S Wei, X Liang, Y Zheng, H Moon, E Ifedigbo, **Y Jin*** (corresponding author). Flotillin-2 modulates Fas signaling mediated apoptosis. PlosOne 8(10): e77519, 2013.
23. H Moon, Y Zheng, X Liang, C. An, A. Kim and **Y Jin***. CCN1 secretion induced by cigarette smoking extracts augments IL-8 release from bronchial epithelial cells. PlosOne 8(7): e68199, 2013.
24. Y Zheng, S-J Lee, X Liang, S Wei, H Moon, **Y Jin***. Suppression of PTRF alleviates the polymicrobial sepsis induced by cecal ligation and puncture in mice. Journal of Infectious Disease 208: 1803-1812, 2013.
25. X Liang, SJ Lee, M Zhang, A Tanaka, AMK Choi and **Y Jin**. p62 SQSTM1 confers cytoprotection on lung epithelial cells after hyperoxia by regulating tBID. American Journal Respiratory Cell Molecular Biology 48: 489-496, 2013.
26. A Tanaka, **Y Jin**, SJ Lee, M Zhang, HP Kim, DB Stolz, SW Ryter, AM Choi. Hyperoxia Induced LC3B interacts with the Fas apoptotic pathway in epithelial cell death. American Journal

Respiratory Cell Molecular Biology 46: 507-514, 2012.

27. SJ Lee, HP Kim, **Y Jin,** SW Ryter and AMK Choi. Beclin 1 acts as a tumor suppressor molecule by regulating angiogenesis through the hypoxia inducible factor - 2α pathway. Autophagy 7: 829-839, 2011.
28. M Zhang, S Lee, C An, B Joshi, IR Nabi, AMK, **Y Jin.** Caveolin-1 facilitates hypoxia induced apoptosis *via* regulating Fas signaling independent to FasL. Free Radical Biology Medicine 50: 1252-1262, 2011.
29. ZH Chen, HC Lam, **Y Jin,** HP Kim, J Cao, SJ Lee, E Ifedigbo, H Parawesmaran, SW Ryter, AM Choi. Autophagy protein microtubule-associated protein 1 light chain-3B (LC3B) activates extrinsic apoptosis during cigarette smoke-induced emphysema. Proc Natl Acad Sci. USA 107:18880-18885, 2010.
30. SJ Lee, A Smith, L Guo, TP Alastalo, M Li, H Sawada, X Liu, ZH Chen, E Ifedigbo, **Y Jin,** C Feghali-Bostwick, SE Ryter, HP Kim, M Rabinovitch, AM Choi. Autophagic protein LC3B confers resistance against hypoxia induced pulmonary hypertension. American Journal Respiratory Critical Care Medicine 183: 649-658, 2011.
31. M Zhang, L Lin, S Lee, J Cao, E Ifedigbo, **Y Jin**. Deletion of caveolin-1 protects hyperoxia induced apoptosis *via* survivin mediated pathways. Am J Physiol Lung Cell Mol Physiol 2009 297: L945-953, 2009.
32. **Y Jin**, HP Kim, J Cao, M Zhang, E Ifedigbo, AMK Choi. Caveolin-1 regulates the secretion and cytoprotection of Cyr61 in hyperoxic cell death. FASEB 23: 341-350, 2009.
33. **Y Jin**, HP Kim, M Chi, E Ifedigbo, SW Ryter, AMK Choi. Deletion of caveolin-1 protects against oxidative lung injury via up-regulation of heme oxygenase-1. American Journal Respiratory Cell Molecular Biology 39: 171-179, 2008.
34. GY Suh, **Y Jin**, AK Yi, XM Wang, AMK Choi. CCAAT/enhancer-binding protein mediates carbon monoxide-induced suppression of cyclooxygenase-2. American Journal Respiratory Cell Molecular Biology 35: 220-226, 2006.
35. **Y Jin**, HP Kim, E Ifedigbo, LF Lau, AMK Choi. Cyr61 protects against hyperoxia induced cell death via Akt pathway in pulmonary epithelial cells. American Journal Respiratory Cell Molecular Biology 33: 297-302, 2005.
36. R Sur, DE Heck, TM Mariano, **Y Jin**, WJ Murphy, JD Laskin. UVB light suppresses nitric oxide production by murine keratinocytes and macrophages. Biochemical Pharmacology 64: 1469-1481 2002.
37. **Y Jin**, DE Heck, G DeGeorge, Y Tian, JD Laskin. 5-Fluorouracil suppresses nitric oxide biosynthesis In colon carcinoma cells. Cancer Research 56: 1978-1982, 1996.

INVITED REVIEWS

1. M Groot, D Zhang, **Y Jin**. Long non-coding RNA review and implications in lung diseases. JSM Bioinformatics, Genomics and Proteomics 3(2). pii: 1033, 2018.
2. K Hu, **Y Jin,** Z Chroneos, X Han, H Liu, et al. Macrophage functions and regulation: roles in diseases and implications in therapeutics. Journal of Immunology Research, June 2018.
3. M Groot, D Zhang, **Y Jin**. Long non-coding RNA review and implications in lung diseases. JSM Bioinformatics, Genomics and Proteomics. (in press) NIHMSID: NIHMS979709
4. J Carnino, K Ni, **Y Jin**. Extracellular vesicle-shuttling microRNAs regulate the development of inflammatory lung responses. Annals of Pulmonary and Critical Care Medicine 1(2): 01-04, 2018.
5. H Lee, D Zhang, A Rai, **Y Jin**. The obstacles to current extracellular vesicle-mediated drug delivery research. Journal Pharmacy and Pharmaceutics 4: 156-158, 2017.
6. H Lee, D Zhang, J Minhas, **Y Jin**. Extracellular vesicles facilitate intercellular communications in the pathogenesis of lung injury. Cell Developmental Biology 5(2) pii: 175, 2016.
7. Z Zhu, D Zhang, H Lee, **Y Jin**. Caenorhabditis elegans: An important tool for dissecting microRNA functions. Biomedical Genetics and Genomics 1: 34-36, 2016.
8. D Zhang, H Lee, **Y Jin.** Extracellular vesicles studies using animal models of lung injury. Research Letter Thorax, 2017.
9. S Chettimada, J Yang, H Moon and **Y Jin.** Caveolae, caveolin-1 and cavin-1: emerging roles in pulmonary hypertension. World Journal of Respirology 5: 126-134, 2015.
10. D Zhang, L Xie and **Y Jin.** In situ detection of microRNAs: The art of microRNA research in human

diseases. Journal of Cytology & Histology, Mini Review. S3:013, 2015. doi: 10.4172/2157-7099.S3-013

11. J Yang, HG Moon, S. Chettimada and **Y Jin**. Cross-talk between autophagy and apoptosis in lung epithelial cells. Journal Biochemistry Pharmacology Research 2: 99-109, 2014
12. **Y Jin**, AMK Choi. Cross-talk between autophagy and apoptosis in pulmonary hypertension. Pulmonary Circulation 2: 407- 414, 2012.
13. **Y Jin,** A Tanaka, AMK Choi and SW Ryter. Autophagic proteins: new facets of the oxygen paradox. Autophagy 8: 426-428, 2012.
14. **Y Jin**, AMK Choi. Cytoprotection of heme oxygenase-1/carbon monoxide in lung injury Proceedings of the American Thoracic Society 2: 232-235, 2005.
15. **Y Jin**, SJ Lee, RD Minshall, AM AM. Caveolin-1: A critical regulator of lung injury. Am J Physiol Lung Cell Mol Physiol 300: L151-160, 2011.

Pending publications

1. H Lee, C Li, Y Zhang, M Groot, L Otterbein, **Y Jin Y**. Caveolin-1 selectively regulates functional microRNA sorting into microvesicles after noxious stimuli. Journal Experimental Medicine, In revision
2. D Zhang, H Lee, X Wang, **Y Jin**. Novel diagnostic and therapeutic targets of lung inflammation: a potential role of microvesicle-containing miR-223/142. Thorax, In revision
3. JM Carnino, H Lee, **Y Jin**. Isolation and characterization of extracellular vesicles from broncho-alveolar lavage fluid. American Journal Respiratory Cell and Molecular Biology, Under review.