

Curriculum Vitae

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JUNG-JOON MIN, M.D.,Ph.D.

Education and Training

- 1999-2002 **Ph.D.** in Nuclear Medicine and Molecular Imaging
Chonnam National University, Gwangju, Korea
- 1996-1998 **M.S.** in Nuclear Medicine
Chonnam National University, Gwangju, Korea
- 1985-1991 **M.D.** in Medical Science
Chonnam National University Medical School, Gwangju, Korea

Professional Experiences

- 2017-present **Chair of Department of Nuclear Medicine**
Chonnam National University Medical School, Gwangju, Korea
- 2011-present **Professor of Nuclear Medicine**
Chonnam National University Medical School, Gwangju, Korea
- 2006-2001 **Associate Professor of Nuclear Medicine**
Chonnam National University Medical School, Gwangju, Korea
- 2004-2006 **Assistant Professor of Nuclear Medicine**
Chonnam National University Medical School, Gwangju, Korea
- 2003-2004 **Research Fellow**
Molecular Imaging Program, Stanford University, USA
- 2001-2004 **Post-doctoral Fellow**
Crump Institute for Molecular Imaging, UCLA, USA
- 2000-2001 **Clinical Fellow of Nuclear Medicine**
Seoul National University Hospital, Seoul, Korea
- 1996-2000 **Resident of Nuclear Medicine**
Chonnam National University Hospital, Gwangju, Korea
- 1995-1996 **Internship**
Chonnam National University Hospital, Gwangju, Korea

PROFESSIONAL ACTIVITIES

Editorial Boards

Nuclear Medicine and Molecular Imaging (2009 – present)
American Journal of Translational Research (2010-present)
Korean Journal of Radiology (2012 - present)
International Journal of Chronic Diseases (2012 – present)

Industrial Scientific Advisory Boards

GE Healthcare Korea (2009 – present)

Academic Advisory Boards

Board of Trustees, World Molecular Imaging Society (since 2016)
Board Member of Program Committee, World Molecular Imaging Conference (since 2015)
Emphasis Co-chair of the Program Committee, World Molecular Imaging Conference (since 2011)
Chair, Committee of Academic Affairs, Korean Society of Nuclear Medicine (2010 – present)
Director of Academic Affairs, Korean Society of Molecular Imaging (2006 – 2008, 2010 – present)
Secretary, Committee of Fusion Science, Korean Society of Molecular & Cellular Biology (1/2009 – 12/2009)
Director of Educational Affairs, Korean Society of Molecular Imaging (2008 – 2010)

Journal Reviewer

Theranostics
PLoS One
Journal of Nuclear Medicine
Journal of Controlled Release
American Journal of Translational Research
Molecular Imaging and Biology
Clinical Nuclear Medicine
European Journal of Nuclear Medicine and Molecular Imaging
Journal of Microbiology
Molecular Imaging
Nuclear Medicine and Molecular Imaging
Cancer Letters
Bioorganic & Medicinal Chemistry Letters
Korean Journal of Radiology

Meeting Organizer

Organizer, Spotlight Session, World Molecular Imaging Congress (2014)
Organizer, Hwasun Optical Imaging Workshop & Symposium (2004 – present)
Organizer, Bio-Molecular Imaging Symposium, Korean Society of Molecular & Cellular Biology (2010 – 2013)

PROFESSIONAL SOCIETIES

World Molecular Imaging Society (2007 – present)
Academy of Molecular Imaging (U.S.A.) (2001 – present)
European Association of Nuclear Medicine (U.K.) (2002 - present)
Society of Nuclear Medicine (U.S.A.) (1999 – present)
Society for Molecular Imaging (U.S.A.) (2005 - present)

Korean Society of Nuclear Medicine (1996 – present)
Korean Society of Molecular Imaging (2004 – present)
Korean Society of Molecular & Cellular Biology (2009 – present)
Korean Society of Gene & Cell Therapy (2010 – present)
Optic Society of Korea (2004 - present)
Korean Medical Association (1991 – present)

Publications

International

1. Bom HS, Kim YC, **Min JJ**, Song HC, Kim JY, Park KO. ^{99m}Tc sestamibi uptake in small cell lung cancer. Journal of Nuclear Medicine 1998;39:91-4.
2. Bom HS, Cho JG, Song HC, **Min JJ**, Jeong HJ, Kim JY, Kang JC. ^{99m}Tc Pyrophosphate uptake in small areas of myocardial injury produced by radiofrequency catheter ablation of arrhythmias. Clinical Nuclear Medicine 1999;24:57-9.
3. Bom HS, Lim SC, Kim YC, Song HC, **Min JJ**, Jeong HJ, Kim JY, Lee J, Park KO. Dipyridamole modulated ^{99m}Tc sestamibi lung SPECT in small cell lung cancer. Clinical Nuclear Medicine 1999;24:97-101.
4. **Min JJ**, Chung JK, Lee YJ, Jeong JM, Lee DS, Jang JJ, Lee MC, Cho BY. Relationship between expression of the sodium/iodide symporter and ¹³¹I uptake in recurrent lesions of differentiated thyroid carcinoma. European Journal of Nuclear Medicine 2001;28:639-645. (1st author)
5. Kim SM, Bom HS, Song HC, Jeong HJ, **Min JJ**, Li MH, Lee JT, Lim ST, Kim JY. Focal pulmonary uptake during ^{99m}Tc myocardial perfusion SPECT imaging. Clinical Nuclear Medicine 2001;26:913-5.
6. **Min JJ**, Chung JK, Lee YJ, Shin JH, Yeo JS, Jeong JM, Lee DS, Bom HS, Lee MC. In vitro and in vivo characteristics of a human colon cancer cell line, SNU-C5N, expressing sodium-iodide symporter. Nuclear Medicine and Biology 2002;29: 537-45. (1st author)
7. Jeong HJ, **Min JJ**, Park JM, Chung JK, Kim BT, Jeong JM, Lee DS, Lee MC, Han SK, Shim YS. Determination of the prognostic value of [¹⁸F]fluorodeoxyglucose uptake by using positron emission tomography in patients with non-small cell lung cancer. Nuclear Medicine Communications 2002;23: 865-70.
8. Wu JC, Chen IY, Sundaresan G, **Min JJ**, De A, Qiao JH, Fishbein MC, Gambhir SS. Molecular imaging of cardiac cell transplantation in living animals using optical bioluminescence and positron emission tomography. Circulation 2003;108:1302-5.
9. **Min JJ**, Iyer M, Gambhir SS. Comparison of [¹⁸F]FHBG and [¹⁴C]FAU for imaging of HSV1-tk reporter gene expression: adenoviral infection vs stable transfection. European Journal of Nuclear Medicine and Molecular Imaging 2003;30:1547-60. (1st author)
10. **Min JJ**, Gambhir SS. Gene therapy progress and prospects: noninvasive imaging of gene therapy in living subjects. Gene Therapy 2004;11:115-25. (1st author)
11. Ray P, De A, **Min JJ**, Tsien RY, Gambhir SS. Imaging tri-fusion multimodality reporter gene expression in living subjects. Cancer Research 2004;64:1323-30.
12. Chen IY, Wu JC, **Min JJ**, Sundaresan G, Lewis X, Liang Q, Herschman HR, Gambhir SS. Micro-positron emission tomography imaging of cardiac gene expression in rats using bicistronic adenoviral vector-mediated gene delivery. Circulation 2004;109:1415-20.
13. **Min JJ**, Biswal S, Deroose C, Gambhir SS. Tetraphenylphosphonium as a novel molecular probe for imaging tumors. Journal of Nuclear Medicine 2004;45:636-43. (1st author)

14. Wu JC, Chen IY, Wang Y, Tseng JR, Chhabra A, Salek M, **Min JJ**, Fishbein MC, Crystal R, Gambhir SS. Molecular Imaging of the Kinetics of Vascular Endothelial Growth Factor Gene Expression in Ischemic Myocardium. Circulation 2004;110:685-91.
15. Kang KW, **Min JJ**, Chen X, Gambhir SS. Comparison of [14C]FMAU, [3H]FEAU, [14C]FIAU, and [3H]PCV for Monitoring Reporter Gene Expression of Wild Type and Mutant Herpes Simplex Virus Type 1 Thymidine Kinase in Cell Culture. Molecular Imaging and Biology 2005; 23; 1-8
16. Gheysens O, Lin S, Cao F, Wang D, Chen IY, Rodriguez-Porcel M, **Min JJ**, Gambhir SS, Wu JC. Noninvasive Evaluation of Immunosuppressive Drug Efficacy on Acute Donor Cell Survival. Molecular Imaging and Biology 2006;8:163-170
17. Han HJ, Heo JS, Lee YJ, **Min JJ**, Park KS. High glucose-induced inhibition of 2-deoxyglucose uptake is mediated by cAMP, protein kinase C, oxidative stress and mitogen-activated protein kinases in mouse embryonic stem cells. Clinical and Experimental Pharmacology and Physiology 2006 ;33:211-20.
18. **Min JJ**, Ahn YK, Moon SM, Kim YS, et al. In vivo bioluminescence imaging of cord blood derived mesenchymal stem cell transplantation into rat myocardium. Annals of Nuclear Medicine 2006;20:165-170. (1st author)
19. Lee HJ, Lee YJ, Kwon HC, Bae S, Kim SH, **Min JJ**, Cho CK, Lee YS. Radioprotective effect of heat shock protein 25 on submandibular glands of rats. American Journal of Pathology 2006;169(5):1601-11.
20. Kim SA, Kim YC, Kim SW, Lee SH, **Min JJ**, Ahn SG, Yoon JH. Antitumor activity of novel indirubin derivatives in rat tumor model. Clinical Cancer Research 2007;13(1):253-9.
21. Shin SS, Jeong YY, **Min JJ**, Kim HR, Chung TW, Kang HK. Preoperative staging of colorectal cancer: CT vs. integrated FDG PET/CT. Abdominal Imaging 2007; 33(3):270-7.
22. Lee MY, Lee SH, Park JH, Heo JS, Lee YJ, Suh HN, **Min JJ**, Seo YS, Han HJ. Effectiveness of (99m)Tc-tetrofosmin for assessment of heart functions in micropigs. Journal of Veterinary Science 2007;8(3):223-7.
23. Lee H, Yu MK, Park S, Moon S, **Min JJ**, Jeong YY, Kang HW, Jon S. Thermally Cross-Linked Superparamagnetic Iron Oxide Nanoparticles: Synthesis and Application as a Dual Imaging Probe for Cancer in Vivo. Journal of American Chemical Society 2007;129(42):12739-12745.
24. Seo YS, Chung TW, Kim IY, Bom HS, **Min JJ**. Enhanced Detectability of Recurrent Brain Tumor Using Glucose Loading ¹⁸F-FDG PET. Clinical Nuclear Medicine 2008;33(1):32-3.
25. **Min JJ**, Kim HJ, Park JH, Moon SM, Jeong JH, Hong YJ, Cho KO, Nam JH, Kim NS, Park YG, Bom HS, Rhee JH, and Choy HE. Noninvasive Real-Time Imaging of Tumors and Metastases Using Tumor-Targeting Light-Emitting Escherichia Coli. Molecular Imaging and Biology 2008;10(1):54-61. (1st and Corresponding author)
26. **Min JJ**, Nguyen VH, Kim HJ, Hong Y, Choy HE. Quantitative bioluminescence imaging of tumor-targeting bacteria in living animals. Nature Protocols 2008;3(4):629-36 (1st and Corresponding author)
27. Yu MK, Jeong YY, Park J, Park S, Kim JW, **Min JJ**, Kim K, Jon S. Drug-Loaded Superparamagnetic Iron Oxide Nanoparticles for Combined Cancer Imaging and Therapy In Vivo. Angewandte Chemie International Edition Engl 2008 ;47(29):5362-5.
28. Yang DH, **Min JJ**, Jeong YY, Ahn JS, Kim YK, Cho SH, Chung IJ, Bom HS, Kim HJ, Lee JJ. The combined evaluation of interim contrast-enhanced computerized tomography (CT) and FDG-PET/CT predicts the clinical outcomes and may impact on the therapeutic plans in patients with aggressive non-Hodgkin's lymphoma. Annals of Hematology 2009;88(5):425-32.
29. Chong A, Jeong SY, **Min JJ**. Inflammatory pseudotumours resembling multiple hepatic metastases and their complete regression, as revealed by (18)F-FDG PET/CT. European Journal of Nuclear Medicine and Molecular Imaging 2009;36(7):1199-200. (Corresponding author)
30. Ha JM, Jeong SY, Seo YS, Kwon SY, Chong A, Oh JR, Song HC, Bom HS, **Min JJ**. Incidental focal F-18 FDG

- accumulation in lung parenchyma without abnormal CT findings. Annals of Nuclear Medicine 2009;23(6):599-603. (Corresponding author)
31. Kwon JS, Park IK, Cho AS, Shin SM, Hong MH, Jeong SY, Kim YS, **Min JJ**, Jeong MH, Kim WJ, Jo S, Pun SH, Cho JG, Park JC, Kang JC, Ahn Y. Enhanced angiogenesis mediated by vascular endothelial growth factor plasmid-loaded thermo-responsive amphiphilic polymer in a rat myocardial infarction model. Journal of Controlled Release 2009;138(2):168-76.
 32. Jung SI, Lee CS, Park KH, Kim ES, Kim YJ, Kim GS, Lim DS, Moon JE, **Min JJ**, Bom HS, Jung MH, Chang YJ, Chae SL, Lee JH. Sero-epidemiology of hepatitis A virus infection among healthcare workers in Korean hospitals. Journal of Hospital Infection 2009;72(3):251-7.
 33. Nguyen VH, Kim HS, Ha JM, Hong Y, Choy HE, **Min JJ**. Genetically engineered *Salmonella typhimurium* as an imageable therapeutic probe for cancer. Cancer Research 2010;70(1):18-23. (Corresponding author)
 34. Jiang SN, Phan TX, Nam TK, Nguyen VH, Kim HS, Bom HS, Choy HE, Hong Y, **Min JJ**. Inhibition of Tumor Growth and Metastasis by a combination of Escherichia coli-mediated Cytolytic Therapy and Radiotherapy. Molecular Therapy 2010;18(3):635-42. (Corresponding author)
 35. Nguyen Pham TN, Hong CY, **Min JJ**, Rhee JH, Nguyen TA, Park BC, Yang DH, Park YK, Kim HR, Chung IJ, Kim HJ, Lee JJ. Enhanced of antitumor effect using dendritic cells activated with natural killer cells in the presence of toll-like receptor agonist. Experimental and Molecular Medicine 2010;42(6):407-19.
 36. Koh YI, Shim JU, Lee JH, Chung IJ, **Min JJ**, Rhee JH, Lee HC, Chung DH, Wi JO. Natural killer T cells are dispensable in the development of allergen-induced airway hyperresponsiveness, inflammation and remodeling in a mouse model of chronic asthma. Clinical & Experimental Immunology 2010;161:159-70
 37. Oh JR, Song HC, Chong A, Ha JM, Jeong SY, **Min JJ**, Bom HS. Impact of medication discontinuation on increased intestinal FDG accumulation in diabetic patients treated with metformin. American Journal of Roentgenology 2010;195:1404-10.
 38. Le UN, Kim HS, Kwon JS, Kim MY, Nguyen VH, Jiang SN, Lee BI, Hong Y, Shin MG, Rhee JH, Bom HS, Ahn Y, Gambhir SS, Choy HE, **Min JJ**. Engineering and visualization of bacteria for targeting infarcted myocardium. Molecular Therapy 2011;19(5):951-9. (Corresponding author)
 39. Yang DH, **Min JJ**, Song HC, Jeong YY, Chung WK, Bae SY, Ahn JS, Kim YK, Bom HS, Chung IJ, Kim HJ, Lee JJ. Prognostic significance of interim ¹⁸F-FDG PET/CT after three or four cycles of R-CHOP chemotherapy in the treatment of diffuse large B-cell lymphoma. European Journal of Cancer 2011;47(9):1312-8.
 40. Huh JW, **Min JJ**, Lee JH, Kim HR, Kim YJ. The Predictive Role of Sequential FDG-PET/CT in Response of Locally Advanced Rectal Cancer to Neoadjuvant Chemoradiation. American Journal of Clinical Oncology 2011 Mar 18. [Epub ahead of print]
 41. Bae SY, Ahn JS, Yang DH, Kim YK, **Min JJ**, Song HC, Bom HS, Jeong YY, Kim HJ, Lee JJ. A Case of Disseminated and Fulminant Plasmacytomas That Developed during Bortezomib Treatment. Case Reports in Oncology 2011;4(1):101-5.
 42. Lee JK, Lee DH, Sun EG, Bae JA, Lim SC, **Min JJ**, Sung MW, Kim KK. Gene therapy for head and neck squamous cell carcinoma using KITENIN (KAI1 COOH-Terminal Interacting Tetraspanin)-antisense therapy. Yonsei Medical Journal 2011;52(3):463-8.
 43. Oh JR, Byun BH, Hong SP, Chong A, Kim J, Yoo SW, Kang SR, Kim DY, Song HC, Bom HS, **Min JJ**. Comparison of ¹³¹I whole-body imaging, ¹³¹I SPECT/CT, and ¹⁸F-FDG PET/CT in the detection of metastatic thyroid cancer. European Journal of Nuclear Medicine and Molecular Imaging 2011;38(8):1459-68. (Corresponding author)
 44. Oh JR, Lim JH, Jeong SY, Heo SH, Chong A, **Min JJ**. Simultaneous uptake of I-131 and F-18 FDG by a renal metastasis of thyroid papillary cancer. Clinical Nuclear Medicine 2011;36(9):798-9. (Corresponding author)

45. Kim DK, Kim JR, Koh M, Kim YD, Lee JM, Chanda D, Park SB, **Min JJ**, Lee CH, Park TS, Choi HS. Estrogen-related receptor γ (ERR γ) is a novel transcriptional regulator of phosphatidic acid phosphatase, LIPIN1, and inhibits hepatic insulin signaling. Journal of Biological Chemistry 2011;286(44):38035-42.
46. Jung TY, Jung S, Kim IY, Moon KS, Jang WY, Park SJ, Kim YH, Kim HS, **Min JJ**, Kim J. Pathologic analysis of glioblastoma via multiple stereotactic biopsies of active tumor and necrosis. Oncology Reports 2012;27(3):707-13.
47. Kim DY, Kim HJ, Yu KH, **Min JJ**. Synthesis of [^{18}F]-labeled (2-(2-fluoroethoxy)ethyl)triphenylphosphonium cation as a potential agent for myocardial imaging using positron emission tomography. Bioorganic & Medicinal Chemistry Letters 2012;22(1):319-22. (Corresponding author)
48. Chong A, Ha JM, Oh JR, **Min JJ**, Bom HS, Song HC. Quantitative Evaluation of incomplete embolization in a patient with portosystemic shunt by per-rectal portal scintigraphy. Clinical Nuclear Medicine 2012;37(1):e13-5.
49. Kim H, He Y, Yang I, Zeng Y, Kim Y, Seo YW, Murnane MJ, Jung C, Lee JH, **Min JJ**, Kwon DD, Kim KK, Lu Q, Kim K. δ -Catenin promotes E-cadherin processing and activates β -catenin-mediated signaling: Implications on human prostate cancer progression. Biochimica et Biophysica Acta 2012;1822(4):509-521.
50. Kim DY, Kim HJ, Yu KH, **Min JJ**. Synthesis of [(18)F]-Labeled (6-Fluorohexyl)triphenylphosphonium Cation as a Potential Agent for Myocardial Imaging using Positron Emission Tomography. Bioconjugate Chemistry 2012;23(3):431-437 (Corresponding author)
51. Oh JR, Seo JH, Chong A, **Min JJ**, Song HC, Kim YC, Bom HS. Whole-body metabolic tumour volume of (18)F-FDG PET/CT improves the prediction of prognosis in small cell lung cancer. European Journal of Nuclear Medicine and Molecular Imaging 2012;39(6):925-935
52. Kim DY, Kim HJ, Yu KH, **Min JJ**. Synthesis of [^{18}F]-labeled 2-(2-fluoroethoxy)ethyltris(4-methoxyphenyl)phosphonium cation as a potential agent for positron emission tomography myocardial imaging. Nuclear Medicine and Biology 2012;39(7):1093-1098 (Corresponding author)
53. Park YD, Park JH, Hur MG, Kim SW, **Min JJ**, Park SH, Yoo YJ, Yoon YJ, Yang SD. Fluorescent 2-styrylpyridazin-3(2H)-one derivatives as probes targeting amyloid-beta plaques in Alzheimer's disease. Bioorganic & Medicinal Chemistry Letters 2012;22(12):4106-4110.
54. Oh JR, **Min JJ**, Song HC, Chong A, Kim GE, Choi C, Seo JH, Bom HS. A stepwise approach using metabolic volume and SUV max to differentiate malignancy and dysplasia from benign colonic uptake on 18F-FDG PET/CT. Clinical Nuclear Medicine 2012;37(6):e134-140.
55. Yoo SW, Song HC, Oh JR, Kim J, Kang SR, Chong A, Byun BH, Hong SP, **Min JJ**, Bom HS. Herniation pit mimicking osseous metastasis on 18F-FDG PET/CT in patient with lung cancer. Clinical Nuclear Medicine 2012;37(7):682-683.
56. Yun M, Pan S, Jiang SN, Nguyen VH, Park SH, Jung CH, Kim HS, **Min JJ**, Choy HE, Hong Y. Effect of Salmonella treatment on an implanted tumor (CT26) in a mouse model. Journal of Microbiology 2012;50(3):502-510.
57. Chong A, Song HC, Oh JR, Ha JM, **Min JJ**, Bom HS, Choi YD, Lee JS. Gelatinous degeneration of the bone marrow mimicking osseous metastasis on 18F-FDG PET/CT. Clinical Nuclear Medicine 2012;37(8):798-800.
58. Kim HJ, Kim DY, Park JH, Yang SD, Hur MG, **Min JJ**, Yu KH. Synthesis and evaluation of a novel ^{68}Ga -labeled DOTA-benzamide derivative for malignant melanoma imaging. Bioorganic & Medicinal Chemistry Letters 2012;22(16):5288-5292.
59. Kim HJ, Kim DY, Park JH, Yang SD, Hur MG, **Min JJ**, Yu KH. Synthesis and characterization of a ^{68}Ga -labeled N-(2-diethylaminoethyl)benzamide derivative as potential PET probe for malignant melanoma. Bioorganic & Medicinal Chemistry 2012;20(16):4915-4920.
60. Kim DY, Kim HS, Le UN, Kim HJ, Lee KC, Woo SK, Chong J, Kim HS, Bom HS, Yu KH, **Min JJ**. Evaluation of a Novel Mitochondrial Voltage Sensor, (^{18}F -Fluoropentyl)triphenylphosphonium Cation, in a Rat Myocardial Infarction Model. Journal of Nuclear Medicine 2012;53(11):1779-1785(Corresponding author).

61. Yang DH, Ahn JS, Byun BH, **Min JJ**, Kweon SS, Chae YS, Sohn SK, Lee SW, Kim HW, Jung SH, Kim YK, Kim HJ, Bom HS, Lee JJ. Interim PET/CT-based prognostic model for the treatment of diffuse large B cell lymphoma in the post-rituximab era. Annals of Hematology 2012;92(4):4710479.
62. Kim K, Jeong JH, Lim D, Hong Y, Yun M, **Min JJ**, Kwak SJ, Choy HE. A Novel Balanced-Lethal Host-Vector System based on GlmS. PLoS One 2013;8(3):e60511.
63. Kim JS, Chung CY, Park HC, Myung DS, Cho SB, Lee WS, **Min JJ**, Joo YE. Synchronous Quadruple Primary Tumors of Thyroid, Breast, Pancreas, and Stomach: a case report. Anticancer Research 2013;33(5):2135-2138.
64. Park SJ, Bae H, Ko SY, **Min JJ**, Park JO, Park S. Selective Bacterial Patterning using the Submerged Properties of Microbeads on Agarose Gel. Biomedical Microdevices 2013;15(5):793-799.
65. Chong A, Ha JM, Jeong SY, Song HC, **Min JJ**, Bom HS, Choi HS. Clinical Usefulness of ¹⁸F-FDG PET/CT in the Detection of Early Recurrence in Treated Cervical Cancer Patients with Unexplained Elevation of Serum Tumor Markers. Chonnam Medical Journal 2013;49(1):20-26.
66. Chong A, Song HC, Byun BH, Hong SP, **Min JJ**, Bom HS, Ha JM, Lee JK. Changes in ¹⁸F-FDG uptake in the spinal cord in a healthy population on serial positron emission tomography/computed tomography. Chonnam Medical Journal 2013;49(1):38-42.
67. Oh JR, Seo JH, Hong CM, Jeong SY, Lee SW, Lee J, **Min JJ**, Song HC, Bom HS, Kim YC, Ahn BC. Extra-thoracic tumor burden but not thoracic tumor burden on ¹⁸F-FDG PET/CT is an independent prognostic biomarker for extensive-disease small cell lung cancer. Lung Cancer 2013;81(2):218-225.
68. Park D, Park SJ, Cho S, Lee Y, Lee YK, **Min JJ**, Park BJ, Ko SY, Park JO, Park S. Motility analysis of bacteria-based microrobot (bacteriobot) using chemical gradient microchamber. Biotechnology and Bioengineering 2014 Jan;111(1):134-43
69. Jiang SN, Park SH, Lee HJ, Zheng JH, Kim HS, Bom HS, Hong Y, Szardenings M, Shin MG, Kim SC, Ntziachristos V, Choy HE, **Min JJ**. Engineering of Bacteria for the Visualization of Targeted Delivery of a Cytolytic Anticancer Agent. Molecular Therapy 2013 Nov;21(11):1985-95. (Corresponding Author)
70. Kim J, Yoo SW, Kang SR, Bom HS, Song HC, **Min JJ**. Clinical implication of F-18 FDG PET/CT in patients with secondary hemophagocytic lymphohistiocytosis. Annals of Hematology . 2014 Apr;93(4):661-7.
71. Park SJ, Park SH, Cho S, Kim DM, Lee Y, Ko SY, Hong Y, Choy HE, **Min JJ**, Park JO, Park S. New paradigm for tumor theranostic methodology using bacteria-based microrobot. Scientific reports.. 2013 Dec 2;3:3394
72. Kim J, Kwon SY, Cena R, Park S, Oh J, Oui H, Cho KO, **Min JJ**, Choi J. CT and PET-CT of a dog with multiple pulmonary adenocarcinoma. The Journal of veterinary medical science. 2014 Apr;76(4):615-20
73. Gujrati V, Kim S, Kim SH, **Min JJ**, Choy HE, Kim SC, Jon S. Bioengineered bacterial outer membrane vesicles as cell-specific drug-delivery vehicles for cancer therapy. American Chemical Society nano. 2014 Feb 25;8(2):1525-37.
74. Jeong JH, Kim K, Lim D, Jeong K, Hong Y, Nguyen VH, Kim TH, Ryu S, Lim JA, Kim JI, Kim GJ, Kim SC, **Min JJ**, Choy HE. Anti-tumoral effect of the mitochondrial target domain of Noxa delivered by an engineered Salmonella typhimurium. Public Library of Science one. 2014 Jan 8;9(1):e80050.
75. Kwon SY, Jiang SN, Zheng JH, Choy HE, **Min JJ**. Rhodobacter sphaeroides, a novel tumor-targeting bacteria that emits natural near-infrared fluorescence. Microbiology and immunology. 2014 Mar;58(3):172-9
76. Muthiah M, Park SH, Nurunnabi M, Lee J, Lee YK, Park H, Lee BI, **Min JJ**, Park IK. Intracellular delivery and activation of the genetically encoded photosensitizer Killer Red by quantum dots encapsulated in polymeric micelles. Colloids and surfaces. B, Biointerfaces. 2014 Apr 1;116:284-94
77. Eom GH, Nam YS, Oh JG, Choe N, Min HK, Yoo EK, Kang G, Nguyen VH, **Min JJ**, Kim JK, Lee IK, Bassel-Duby R, Olson EN, Park WJ, Kook H. Regulation of acetylation of histone deacetylase 2 by p300/CBP-associated factor/histone deacetylase 5 in the development of cardiac hypertrophy. Circulation research. 2014 Mar 28;114(7):1133-43.

78. Kim DW, Kim WH, Kim MH, Kim CG, Oh CS, **Min JJ**. Synthesis and evaluation of Tc-99m DTPA-glutathione as a non-invasive tumor imaging agent in a mouse colon cancer model. *Annals of Nuclear Medicine*. 2014 Jun;28(5):447-54. (Corresponding author)
79. Oui H, Lamm C, Stiver S, Williams B, Kwon SY, Bae Y, Jeon S, Park S, **Min JJ**, Choi J. Congenital lymphangiomatosis and an enteric duplication cyst in a young dog. *The Journal of small animal practice*. 2014 Jul;55(7):379-82
80. Kim DK, Jeong JH, Lee JM, Kim KS, Park SH, Kim YD, Koh M, Shin M, Jung YS, Kim HS, Lee TH, Oh BC, Kim JI, Park HT, Jeong WI, Lee CH, Park SB, **Min JJ**, Jung SI, Choi SY, Choy HE, Choi HS. Inverse agonist of estrogen-related receptor γ controls *Salmonella typhimurium* infection by modulating host iron homeostasis. *Nature Medicine*. 2014 Apr;20(4):419-24
81. Jeon S, Kwon SY, Cena R, Lee JH, Cho K, **Min JJ**, Choi J. Ultrasound, CT and FDG PET-CT of Duodenal Granuloma in a Dog. *The Journal of veterinary medical science*. 2014 Apr 18. [Epub ahead of print]
82. Wen M, Jung S, Moon KS, Jiang SN, Li SY, **Min JJ**. Targeting Orthotopic Glioma in Mice with Genetically Engineered *Salmonella typhimurium*. *Journal of Korean Neurosurgical Society*. 2014 Mar;55(3):131-5.
83. Kang SR, Song HC, Byun BH, Oh JR, Kim HS, Hong SP, Kwon SY, Chong A, Kim J, Cho SG, Park HJ, Kim YC, Ahn SJ, **Min JJ**, Bom HS. Intratumoral Metabolic Heterogeneity for Prediction of Disease Progression After Concurrent Chemoradiotherapy in Patients with Inoperable Stage III Non-Small-Cell Lung Cancer. *Nucl Med Mol Imaging* 2014;48(1):16-25.
84. Jang HY, Kwon SY, Pyo A, Hur MG, Kim SW, Park JH, Kim HJ, Yang SD, Lee S, Kim DY, **Min JJ**. In-house development of an optimized synthetic module for routine [^{11}C]acetate production. *Nucl Med Commun* 2015;36(1):102-6.
85. Park SJ, Lee YK, Cho S, Uthaman S, Park IK, **Min JJ**, Ko SY, Park JO, Park S. Effect of Chitosan Coating on a Bacteria-based Alginate Microrobot. *Biotechnol Bioeng* 2014 Oct 13 [Epub ahead of print]
86. Kim DY, Kim HS, Jang HY, Kim JH, Bom HS, **Min JJ**. Comparison of the Cardiac MicroPET Images Obtained Using [(18)F]FPTP and [(13)N]NH₃ in Rat Myocardial Infarction Models. *ACS Med Chem Lett*. 2014 Sep 10;5(10):1124-8. (Corresponding author)
87. Hong H, Lim D, Kim GJ, Park SH, Sik Kim H, Hong Y, Choy HE, **Min JJ**. Targeted deletion of the ara operon of *Salmonella typhimurium* enhances L-arabinose accumulation and drives PBAD-promoted expression of anti-cancer toxins and imaging agents. *Cell Cycle*. 2014 Oct 1;13(19):3112-20. (Corresponding author)
88. Han YH, Kwon SY, Kim J, Na CJ, Choi S, **Min JJ**, Bom HS, Kim YC, Oh IJ, Chae HJ, Lim ST, Sohn MH, Jeong HJ. A phase II clinical trial to investigate the effect of pioglitazone on (18)F-FDG uptake in malignant lesions. *EJNMMI Res*. 2015 Dec;5(1):50.
89. Phan TX, Nguyen VH, Duong MT, Hong Y, Choy HE, **Min JJ**. Activation of inflammasome by attenuated *Salmonella typhimurium* in bacteria-mediated cancer therapy. *Microbiol Immunol*. 2015 Nov;59(11):664-75. **(Corresponding author)**
90. Duong-Nu TM, Jeong K, Hong SH, Nguyen HV, Ngo VH, **Min JJ**, Lee SE, Rhee JH. All Three TonB Systems Are Required for *Vibrio vulnificus* CMCP6 Tissue Invasiveness by Controlling Flagellum Expression. *Infect Immun*. 2015 Nov 2;84(1):254-65.
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