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EMPLOYMENT HISTORY

2021, Assistant Professor, Department of Health Technology and Informatics, The Hong Kong Polytechnic University, Hong Kong SAR

EDUCATION AND TRAINING

2019 - 2020, Postdoctoral Fellow, Gynecologic Oncology and Reproductive Medicine, MD Anderson Cancer Center, USA

- Advisor: **Professor Anil K. Sood**

2016 - 2019, Postdoctoral Fellow, Cancer Systems Imaging, MD Anderson Cancer Center, USA

- Advisor: **Professor Chun Li**

2011 - 2016, Ph.D., Materials Science Program, University of Wisconsin – Madison, USA

- Advisor: **Professor Weibo Cai**

2007 - 2011, B.S., Materials Science and Engineering, Xi'an Jiaotong University, P.R. China

RESEARCH AND WORK EXPERIENCE

2019 - Present, Postdoctoral Fellow, in Professor Anil Sood's Group

- Molecular imaging and biological analysis of cancer cell-derived exosomes;
- Plant exosomes for effective cancer therapy.

2016 - 2019, Postdoctoral Fellow, in Professor Chun Li's Group

- Molecular imaging and biological analysis of cancer cell-derived exosomes;
- Development of nanomaterials-based agents for multimodal imaging, drug delivery and immunotherapy.

2011 - 2016, Graduate Research Assistant in Professor Weibo Cai's group

- Design and characterization of nanomaterials (e.g. graphene, silica-based nanoparticles, etc.) for PET- and optical imaging and image-guided therapy
- Biomolecular engineering of antibody fragments as imaging agents in cancer and cardiovascular diseases.

July - August, 2010, Internship in BMW Brilliance Automotive in Shenyang, Liaoning, P.R. China

- Worked in the Assembly Shop of the Plant, to understand the manufacturing of the vehicles;
- *Corporate Social Responsibility (CSR)* training and *Associate Social Responsibility (ASR)* training.

AWARDS, HONORS AND FELLOWSHIPS

2020, ***Ones to Watch for 2020***, selected by SNMMI, to recognize those with the potential to shape the future of precision medicine across all spectrums of the field;

2019, ***Young Investigator Award*** at Translational Imaging conference, organized by Guangdong Provincial Key Laboratory of Biomedical Imaging and *Nature Biomedical Engineering*;

2018, ***2018 Young Scientist Award Third Prize*** at CASNMMI 2018 Annual Meeting for abstract "Thermosensitive biodegradable copper sulfide nanoparticles for in vivo multispectral optoacoustic tomography";

2016, ***2016 Alavi-Mandell Award*** from SNMMI for paper titled "PET imaging of abdominal aortic aneurysm with ^{64}Cu-Labeled anti-CD105 antibody Fab fragment";

2016, ***Conference Presentation Fund*** from the University of Wisconsin – Madison;

2016, ***First Place in the Poster Competition*** at the ASME NEMB 2016 Conference for abstract "Generalized Syntheses of Tumor Targeted Yolk/Shell Structured Multifunctional Nanosystems";

2016, ***Travel Award***, ASME NEMB 2016 Conference;

2015, ***Wisconsin Distinguished Graduate Fellowship***, University of Wisconsin – Madison;

2015, ***Travel Award***, SNMMI Annual Meeting;

2014, ***Travel Award***, SNMMI Annual Meeting;

2011, ***Outstanding Graduate*** of Xi'an Jiaotong University at the time of graduation;

2010, ***Siyuan Scholarship***, Xi'an Jiaotong University;

2010, ***Outstanding Student*** of Xi'an Jiaotong University;

2009, ***BMW Excellent University Student Fund Award*** (10 students in the Univ., 100 students in P.R. China);

2009, ***Outstanding Student*** of Xi'an Jiaotong University;

2009, ***National Zhou Peiyuan Mechanics Competition, Second Prize*** in Shaanxi Province, ***Third Prize*** in P.R. China;

2008, ***Siyuan Scholarship***, Xi'an Jiaotong University;

2006, ***Second Prize in China Biology Olympiad*** in Shaanxi Province, P.R. China;

2006, ***Second Prize in Chinese Physics Olympiad*** in Shaanxi Province, P.R. China;

2006, ***Third Prize in Chinese Chemistry Olympiad*** in Shaanxi Province, P.R. China;

2001, ***First Prize in Hua Luogeng Golden Cup Youth's Invitational Competition*** in Shaanxi Province, P.R. China.

SOCIETY MEMBERSHIPS

2014 - Present, Chinese American Society of Nuclear Medicine and Molecular Imaging (CANMMI)

2013 - Present, Society of Nuclear Medicine and Molecular Imaging (SNMMI)

2013 - 2014, World Molecular Imaging Society (WMIS)

SCHOLARLY PUBLICATIONS

Peer-Reviewed Articles *: Equal Contribution (**Citation: 2897; h-index: 25**)

1. **Shi S**, Yang K, Hong H, Valdovinos HF, Nayak TR, Zhang Y, Theuer CP, Barnhart TE, Liu Z, Cai W. Tumor vasculature targeting and imaging in living mice with reduced graphene oxide. ***Biomaterials***, 2013, 34 (12), 3002-3009. (PMCID: PMC3570619)
2. Guo J,* Hong H,* Chen G, **Shi S**, Zheng Q, Zhang Y, Theuer CP, Barnhart TE, Cai W, Gong S. Image-guided and tumor-targeted drug delivery with radiolabeled unimolecular micelles. ***Biomaterials***, 2013, 34 (33), 8323-8332. (PMCID: PMC3785312)
3. Chen F, Hong H, Zhang Y, Valdovinos HF, **Shi S**, Theuer CP, Kwon GS, Barnhart TE, Cai W. In vivo tumor targeting and enhanced drug delivery with antibody-conjugated, radiolabeled mesoporous silica nanoparticles. ***ACS Nano***, 2013, 7 (10), 9027-9039. (PMCID: PMC3834886)
4. Chen F,* Ellison PA,* Lewis CM, Hong H, Zhang Y, **Shi S**, Hernandez R, Meyerand ME, Barnhart TE, Cai W. Chelator-free synthesis of a dual-modality PET/MRI agent. ***Angew Chem Int Ed Engl***, 2013, 52 (50), 13319-13323. (PMCID: PMC3855680)
5. **Shi S**,* Chen F,* Cai W. Biomedical applications of functionalized hollow mesoporous silica nanoparticles: focusing on molecular imaging. ***Nanomedicine (Lond)***, 2013, 8 (12), 2027-2039. (PMCID: PMC3844935)
6. Guo J, Hong H, Chen G, **Shi S**, Nayak TR, Theuer CP, Barnhart TE, Cai W, Gong S. Theranostic unimolecular micelles based on brush-shaped amphiphilic block copolymers for tumor-targeted drug delivery

and positron emission tomography imaging. ***ACS Appl Mater Interfaces***, 2014, 6 (24), 21769-21779. (PMCID: PMC4163544)

7. Chen F, Hong H, **Shi S**, Goel S, Valdovinos HF, Hernandez R, Theuer CP, Barnhart TE, Cai W. Engineering of hollow mesoporous silica nanoparticles for remarkably enhanced tumor active targeting efficacy. ***Sci Rep***, 2014, 4, 5080. (PMCID: PMC4038837)
8. Zhang Y, Jeon M, Rich LJ, Hong H, Geng J, Zhang Y, **Shi S**, Barnhart TE, Alexandridis P, Huizinga JD, Seshadri M, Cai W, Kim C, Lovell JF. Non-invasive multimodal functional imaging of the intestine with frozen micellar naphthalocyanines. ***Nat Nanotechnol***, 2014, 9 (8), 631-638. (PMCID: PMC4130353)
9. **Shi S**, Chen F, Ehlerding EB, Cai W. Surface engineering of graphene-based nanomaterials for biomedical applications. ***Bioconjug Chem***, 2014, 25 (9), 1609-1619. (PMCID: PMC4166029)
10. Hong H, Nayak TR, **Shi S**, Graves SA, Fliss BC, Barnhart TE, Cai W. Generation and Screening of monoclonal antibodies for immunoPET imaging of IGF1R in Prostate Cancer. ***Mol Pharm***, 2014, 11 (10), 3624-3630. (PMCID: PMC4186682)
11. Goel S, Chen F, Hong H, Valdovinos HF, Hernandez R, **Shi S**, Barnhart TE, Cai W. $VEGF_{121}$-conjugated mesoporous silica nanoparticle: a new tumor targeted drug delivery system. ***ACS Appl Mater Interfaces***, 2014, 6 (23), 21677-21685. (PMCID: PMC4262629)
12. **Shi S**, Yang K, Hong H, Chen F, Valdovinos HF, Goel S, Barnhart TE, Liu Z, Cai W. VEGFR targeting leads to significantly enhanced tumor uptake of nanographene oxide in vivo. ***Biomaterials***, 2015, 39, 39-46. (PMCID: PMC4258896)
13. Liu T, **Shi S**, Liang C, Shen S, Cheng L, Wang C, Song X, Goel S, Barnhart TE, Cai W, Liu Z. Iron oxide decorated MoS2 nanosheets with double PEGylation for chelator-free radiolabeling and multimodal imaging guided photothermal therapy. ***ACS Nano***, 2015, 9 (1), 950-960. (PMCID: PMC4351725)
14. Hong H, Yan Y, **Shi S**, Graves SA, Krasteva LK, Nickles RJ, Yang M, Cai W. PET of follicle-stimulating hormone receptor: broad applicability to cancer imaging. ***Mol Pharm***, 2015, 12 (2), 403-410. (PMCID: PMC4351720)
15. **Shi S**,* Hong H,* Orbay H, Graves SA, Yang Y, Ohman JD, Liu B, Nickles RJ, Wong HC, Cai W. ImmunoPET of tissue factor expression in triple-negative breast cancer with a radiolabeled antibody Fab fragment. ***Eur J Nucl Med Mol Imaging***, 2015, 42 (8), 1295-1303. (PMID: 25801992)
16. Luo H, Hong H, Slater MR, Graves SA, **Shi S**, Yang Y, Nickles RJ, Fan F, Cai W. PET of c-Met in cancer with ^{64}Cu-labeled hepatocyte growth factor. ***J Nucl Med***, 2015, 56 (5), 758-763. (PMCID: PMC4417426)
17. Chen F, Hong H, Goel S, Graves SA, Orbay H, Ehlerding EB, **Shi S**, Theuer CP, Nickles RJ, Cai W. In vivo tumor vasculature targeting of CuS@MSN based theranostic nanomedicine. ***ACS Nano***, 2015, 9 (4), 3926-3934. (PMCID: PMC4414921)
18. **Shi S**,* Orbay H,* Yang Y, Graves SA, Nayak TR, Hong H, Hernandez R, Luo H, Goel S, Theuer CP, Nickles RJ, Cai W. PET imaging of abdominal aortic aneurysm with ^{64}Cu-Labeled anti-CD105 antibody Fab fragment. ***J Nucl Med***, 2015, 56 (6), 927-932. (PMCID: PMC4452422)
19. **Shi S**,* Fliss B,* Gu Z, Zhu Y, Hong H, Valdovinos HF, Hernandez R, Goel S, Luo H, Chen F, Barnhart TE, Nickles RJ, Xu ZP, Cai W. Chelator-free labeling of layered double hydroxide nanoparticles for in vivo PET imaging. ***Sci Rep***, 2015, 5, 16930. (PMCID: PMC4653656)
20. Rhode PR, Egan JO, Xu W, Hong H, Webb GM, Chen X, Liu B, Zhu X, Wei J, You L, Kong L, Edwards AG, Han K, **Shi S**, Alter S, Sacha JB, Jeng EK, Cai W, Wong HC. Comparison of the Superagonist Complex, ALT-803, to IL15 as Cancer Immunotherapeutics in Animal Models. ***Cancer Immunol Res***, 2016, 4 (1), 49-60. (PMCID: PMC4703482)
21. Xu C, **Shi S**, Feng L, Chen F, Graves SA, Ehlerding EB, Goel S, Sun H, England CG, Nickles RJ, Liu Z, Wang T, Cai W. Long circulating reduced graphene oxide-iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. ***Nanoscale***, 2016, 8 (25), 12683-12692. (PMCID: PMC4919229)
22. Luo H, England CG, **Shi S**, Graves SA, Hernandez R, Liu B, Theuer CP, Wong HC, Nickles RJ, Cai W. Dual-targeted PET imaging of pancreatic cancer. ***Clin Cancer Res***, 2016, 22 (15), 3821-3830. (PMCID: PMC4970931)

23. Chen F, Goel S, Hernandez R, Graves SA, **Shi S**, Nickles RJ, Cai W. Dynamic positron emission tomography imaging of renal clearable gold nanoparticles. ***Small***, 2016, 12 (20), 2775-2782. (PMCID: PMC4874869)
24. Cheng L, Shen S, **Shi S**, Yi Y, Wang X, Song G, Yang K, Liu G, Barnhart TE, Cai W, Liu Z. $FeSe_2$-decorated Bi_2Se_3 nanosheets fabricated via cation exchange for chelator-free ^{64}Cu-labeling and multimodal image-guided photothermal-radiation therapy. ***Adv Funct Mater***, 2016, 26 (13), 2185-2197. (PMCID: PMC4838545)
25. Goel S, Chen F, Luan S, Valdovinos HF, **Shi S**, Graves SA, Ai F, Barnhart TE, Theuer CP, Cai W. Engineering intrinsically zirconium-89 radiolabeled self-destructing mesoporous silica nanostructures for in vivo biodistribution and tumor targeting studies. ***Adv Sci***, 2016, 3 (11):1600122. (PMCID: PMC5102673)
26. Liu B, Kong L, Han K, Hong H, Marcus WD, Chen X, Jeng EK, Alter S, Zhu X, Rubinstein MP, **Shi S**, Rhode PR, Cai W, Wong HC. A novel fusion of ALT-803 (interleukin (IL)-15 superagonist) with an antibody demonstrates antigen-specific antitumor responses. ***J Biol Chem***, 2016, (46), 23869-23881. (PMCID: PMC5104912)
27. **Shi S**, Xu C, Yang K, Goel S, Valdovinos HF, Luo H, Ehlerding EB, England CG, Cheng L, Chen F, Nickles RJ, Liu Z, Cai W. Chelator-free radiolabeling of nanographene: breaking the stereotype of chelation (**Hot paper**). ***Angew Chem Int Ed Engl***, 2017, 56 (11), 2889-2892. (PMCID: PMC5345346)
28. Zhan Y, **Shi S**; Ehlerding EB, Graves SA, Goel S, Engle JW, Liang J, Tian J, Cai W. Radiolabeled, antibody-conjugated manganese oxide nanoparticles as a platform for tumor vasculature targeted positron emission tomography and magnetic resonance imaging. ***ACS Appl Mater Interfaces***, 2017, 9 (44), 38304-38312. (PMCID: PMC5680099)
29. Liu B, Jones M, Kong L, Noel T, Jeng EK, **Shi S**, England CG, Alter S, Miller JS, Cai W, Rhode PR, Wong HC. Evaluation of the biological activities of the IL-15 superagonist complex, ALT-803, following intravenous versus subcutaneous administration in murine models. ***Cytokine***, 2018, Jul, 107:105-112. (PMCID: PMC5916319)
30. Zhan Y, Ehlerding EB, **Shi S**, Graves SA, Goel S, Engle JW, Liang J, Cai W. Intrinsically zirconium-89-labeled manganese oxide nanoparticles for in vivo dual-modality positron emission tomography and magnetic resonance imaging. ***J Biomed Nanotechnol***, 2018, 14 (5), 900-909. (PMCID: PMC6007016)
31. Chen F, Goel S, **Shi S**, Barnhart TE, Lan X, Cai W. General synthesis of silica-based yolk/shell hybrid nanomaterials and in vivo tumor vasculature targeting. ***Nano Res***, 2018, 11(9), 4890-4904. (PMCID: PMC6217832)
32. Wang D, Shi R, Zhou J, **Shi S**, Wu H, Xu P, Wang H, Xia G, Barnhart TE, Cai W, Guo Z, Chen Q. Photo-enhanced singlet oxygen generation of prussian blue-based nanocatalyst for augmented photodynamic therapy. ***iScience***, Nov 30,14-26. (PMCID: PMC6203243)
33. **Shi S**,* Chen F,* Goel S, Graves SA, Luo H, Theuer CP, Engle JW, Cai W. In vivo tumor-targeted dual-modality PET/optical imaging with a yolk/shell structured silica nanosystem. ***Nanomicro Lett***, 2018, 10 (4), 65. (PMCID: PMC6199109)
34. Cui L, Xiong C, Zhou M, **Shi S**, Chow DS, Li C. Integrin $\alpha_v\beta_3$-targeted [^{64}Cu]CuS nanoparticles for PET/CT imaging and photothermal ablation therapy.. ***Bioconjug Chem***, 2018, 29 (12), 4062-4071. (PMID: 30404438)
35. Li T, **Shi S**, Goel S, Shen X, Xie X, Chen Z, Zhang H, Li S, Qin X, Yang H, Wu C, Liu Y. Recent advancements in mesoporous silica nanoparticles towards therapeutic applications for cancer. ***Acta Biomaterialia***, 2019, Apr 15. (PMID: 30797106)
36. Miyake M, Furuya H, Onishi S, Hokutan K, Anai S, Chan O, **Shi S**, Fujimoto K, Goodison S, Cai W, Rosser CJ. Monoclonal antibody against CXCL1 (HL2401) as a novel agent in suppressing IL6 expression and tumoral growth. ***Theranostics***, 2019, 9 (3), 853-867. (PMCID: PMC6376461)
37. **Shi S**,* Wen X,* Li T, Wen X, Cao Q, Liu X, Liu Y, Pagel MD, Li C. Thermosensitive biodegradable copper sulfide nanoparticles for real-time multispectral optoacoustic tomography. ***ACS Appl Bio Mater***, 2019, 2, 8, 3203-3211.
38. **Shi S**, Li T, Wen X, Wu SY, Xiong C, Zhao J, Lincha VR, Chow DS, Liu Y, Sood AK, Li C. Copper-64 labeled PEGylated exosomes for in vivo PET imaging and enhanced tumor retention. ***Bioconjug Chem***, 2019 Oct 16;30(10):2675-2683. (PMCID: PMC6947533)

39. Cao Q, Wang W, Zhou M, Huang Q, Wen X, Zhao J, **Shi S**, Geng K, Li F, Hatakeyama H, Xu C, Piwnica-Worms D, Peng W, Zhou D, Sood AK, Li C. Induction of anti-tumor immunity in mice by the combination of nanoparticle-based photothermolysis and anti-PD-1 checkpoint inhibition. ***Nanomedicine***, 2020 Apr;25:102169. (PMCID: PMC7181381)
40. Zhao J, Wen X, Li T, **Shi S**, Xiong C, Wang YA, Li C. Concurrent injection of unlabeled antibodies allows positron emission tomography imaging of programmed cell death ligand 1 expression in an orthotopic pancreatic tumor model. ***ACS Omega***, 2020 Apr 8;5(15):8474-8482. (PMCID: PMC7178348)
41. **Shi S**, Li T, Wen XF, Wen X, Pagel M, Li C. Anti-folate receptor 1 antibody-conjugated copper sulfide nanoparticles for in vivo multispectral optoacoustic tomography. In preparation.
42. **Shi S**, Li T, Cao Q, Sood A, Li C. Radiolabeled exosomes for in vivo assessment of cancer homing potential. In preparation.

Book Chapters

1. **Shi S**, Chen F, Goel S, Cai W. Epitaxial growth of heterostructured nanoparticles for biomedical applications. Contributed to the book "Hybrid nanomaterials: design, synthesis, and biomedical applications". CRC Press, 2017, ISBN 9781498720922.

CONFERENCE ABSTRACTS

Talks

1. **Shi S**, Yang K, Hong H, Barnhart TE, Liu Z, Cai W. Tumor vasculature targeting and PET imaging in living mice with reduced graphene oxide. 26th Annual Congress of the European Association of Nuclear Medicine, Lyon, France, October 2013 (**# OP255**).
2. Hong H, Yan Y, **Shi S**, Valdovinos HF, Nickles RJ, Cai W. PET of follicle-stimulating hormone receptor: broadly applicable for imaging of cancer. Society of Nuclear Medicine and Molecular Imaging 2014 Annual Meeting, ST. Louis, Missouri, June 2014 (# **275**).
3. **Shi S**, Orbay H, Nayak TR, Hong H, Barnhart TE, Cai W. PET of abdominal aortic aneurysm (AAA) with a ^{64}Cu-labeled Fab fragment. Society of Nuclear Medicine and Molecular Imaging 2014 Annual Meeting, ST. Louis, Missouri, June 2014 (# **465**, **Highlighted Oral Presentation**).
4. Chen F, Hong H, **Shi S**, Valdovinos HF, Barnhart TE, Cai W. Tumor targeted drug delivery with hollow mesoporous silica nanoparticles. Society of Nuclear Medicine and Molecular Imaging 2014 Annual Meeting, ST. Louis, Missouri, June 2014 (# **547**).
5. Luo H, Hong H, **Shi S**, Graves SA, Nickles RJ, Cai W, PET imaging of c-MET in cancer with ^{64}Cu-labeled hepatocyte growth factor. Society of Nuclear Medicine and Molecular Imaging 2015 Annual Meeting, Baltimore, Maryland, June 2015 (# **115**).
6. Yang Y, Chen F, **Shi S**, Graves SA, Nickles RJ, Cai W. In vivo tumor targeting of CD146 with antibody-conjugated hollow mesoporous silica nanoparticles. Society of Nuclear Medicine and Molecular Imaging 2015 Annual Meeting, Baltimore, Maryland, June 2015 (# **117**).
7. **Shi S**, Hong H, Zhang Y, Graves SA, Barnhart TE, Cai W. Generation and screening of monoclonal antibodies for immunoPET of EphA2 in cancer. Society of Nuclear Medicine and Molecular Imaging 2015 Annual Meeting, Baltimore, Maryland, June 2015 (# **170**).
8. **Shi S**, Liu T, Liang C, Barnhart TE, Liu Z, Cai W. Iron oxide decorated MoS_2 nanosheets for chelator-free radiolabeling and multimodal image-guided photothermal therapy. Society of Nuclear Medicine and Molecular Imaging 2015 Annual Meeting, Baltimore, Maryland, June 2015 (# **211**).
9. Chen F, Goel S, Valdovinos HF, **Shi S**, Barnhart TE, Cai W. Chelator-free 89Zr-labeling of mesoporous silica nanoparticles with superb in vivo radiostability. Society of Nuclear Medicine and Molecular Imaging 2015 Annual Meeting, Baltimore, Maryland, June 2015 (# **277**).
10. **Shi S**, Chen F, Goel S, Graves SA, Nickles RJ, Cai W. In vivo tumor targeting and dual-modality

PET/optical imaging with a yolk/shell structured nanosystem. Society of Nuclear Medicine and Molecular Imaging 2015 Annual Meeting, Baltimore, Maryland, June 2015 (**# 618**).

11. **Shi S**, Xu C, Yang K, Nickles RJ, Liu Z, Cai W. Graphene: tumor targeting and chelator-free radiolabeling. The ASME 2016 5th Global Congress on NanoEngineering for Medicine and Biology, Houston, Texas, February 2016 (**# 5964**).
12. Luo H, England CG, **Shi S**, Graves SA, Nickles RJ, Cai W. Dual-targeting of tissue factor and CD105 for PET imaging of pancreatic cancer. Society of Nuclear Medicine and Molecular Imaging 2016 Annual Meeting, San Diego, California, June 2016, (**# 51**).
13. Cheng L, **Shi S**, Shen S, Barnhart TE, Cai W, Liu Z. $FeSe_2$-Decorated Bi_2Se_3 nanosheets for chelator-free ^{64}Cu-labeling and multimodal image-guided photothermal-radiation therapy. Society of Nuclear Medicine and Molecular Imaging 2016 Annual Meeting, San Diego, California, June 2016, (**# 60**).
14. Cheng L, **Shi S**, Shen S, Barnhart TE, Cai W, Liu Z. $FeSe_2$-Decorated Bi_2Se_3 nanosheets for chelator-free ^{64}Cu-labeling and multimodal image-guided photothermal-radiation therapy. Society of Nuclear Medicine and Molecular Imaging 2016 Annual Meeting, San Diego, California, June 2016, (**# 60**).
15. **Shi S**, Xu C, Yang K, Nickles RJ, Liu Z, Cai W. Chelator-free radiolabeling: a new approach for graphene nanomaterials. Society of Nuclear Medicine and Molecular Imaging 2016 Annual Meeting, San Diego, California, June 2016, (**# 392**).
16. **Shi S**, Wen XF, Li T, Pagel M, Li C. Thermosensitive biodegradable copper sulfide nanoparticles for in vivo multispectral optoacoustic tomography. Society of Nuclear Medicine and Molecular Imaging 2018 Annual Meeting, Philadelphia, Pennsylvania, June 2018, (**# 192, Highlighted Oral Presentation**)
17. **Shi S**, Wen XF, Li T, Xiong C, Sood A, Li C. Radiolabeled PEGylated exosomes for in vivo PET imaging and enhanced tumor retention. Society of Nuclear Medicine and Molecular Imaging 2019 Annual Meeting, Anaheim, California, June 2019, (**# 349**).
18. **Shi S**, Li T, Wen XF, Wen X, Pagel M, Li C. Anti-folate receptor 1 antibody-conjugated copper sulfide nanoparticles for in vivo multispectral optoacoustic tomography. Society of Nuclear Medicine and Molecular Imaging 2019 Annual Meeting, Anaheim, California, June 2019, (**# 329, Highlighted Oral Presentation**).
19. Wen X, Zhao J, Li T, **Shi S**, Li C. Concurrent injection of cold antibody allows PET imaging of orthotopic pancreatic tumor with ^{64}Cu-labeled anti-PD-L1. Society of Nuclear Medicine and Molecular Imaging 2019 Annual Meeting, Anaheim, California, June 2019, (**# 607**).
20. **Shi S**, Wen XF, Li D, Li T, Ma Q, Pagel M, Li Chun. Thermosensitive biodegradable copper sulfide nanoparticles for multispectral optoacoustic tomography and adaptive immunity induction. 2019 Division of Diagnostic Imaging Trainee Research Symposium, Houston, Texas, May 2019.
21. **Shi S**, Sood AK, Li C. Radiolabeled PEGylated exosomes for in vivo PET imaging and enhanced tumor retention. Life of Science Symposium Honoring the Career of Mian Alauddin, Houston, Texas, August 2019.
22. **Shi S**. Radiolabeled PEGylated exosomes for in vivo PET imaging and enhanced tumor retention. Translational Imaging conference, organized by Guangdong Provincial Key Laboratory of Biomedical Imaging and Nature Biomedical Engineering, Zhuhai, China, October 2019. (**Award presentation**)

Posters (First-author posters only)

1. **Shi S**, Hong H, Valdovinos HF, Nayak TR, Zhang Y, Barnhart TE, Cai W. In vivo tumor vasculature targeting and PET imaging with reduced graphene oxide. The Wisconsin Alumni Research Foundation (WARF) 2nd Annual Discovery Challenge Research Symposium, Wisconsin Institutes for Discovery, Madison, WI, May 2012 (**# 22**).
2. **Shi S**, Yang K, Hong H, Barnhart TE, Liu Z, Cai W. In vivo tumor vasculature targeting and PET imaging with reduced graphene oxide. 2013 World Molecular Imaging Congress, Savannah, Georgia, September

2013 (**# P083**).

3. **Shi S**, Hong H, Liu B, Nickles RJ, Wong HC, Cai W. PET of tissue factor expression in triple-negative breast cancer with ^{64}Cu-NOTA-ALT-836-Fab. Society of Nuclear Medicine and Molecular Imaging 2014 Annual Meeting, ST. Louis, Missouri, June 2014 (# **1062**).
4. **Shi S**, Yang K, Hong H, Nickles RJ, Liu Z, Cai W. In vivo tumor vasculature targeting and imaging with VEGF-conjugated nanographene oxide, Society of Nuclear Medicine and Molecular Imaging 2014 Annual Meeting, ST. Louis, Missouri, June 2014 (# **1371**).
8. **Shi S**, Fliss BC, Valdovinos HF, Chen F, Nickles RJ, Cai W. Chelator-free labeling of layered double hydroxide nanoparticles for in vivo PET imaging. The ASME 2015 4th Global Congress on NanoEngineering for Medicine and Biology, Minneapolis, Minnesota, April 2015 (# **8048**).
9. **Shi S**, Chen F, Goel S, Graves SA, Nickles RJ, Cai W. In vivo tumor targeting and dual-modality PET/optical imaging with a yolk/shell structured nanosystem. The ASME 2015 4th Global Congress on NanoEngineering for Medicine and Biology, Minneapolis, Minnesota, April 2015 (# **8054**).
10. **Shi S**, Fliss BC, Valdovinos HF, Chen F, Nickles RJ, Cai W. Chelator-free labeling of layered double hydroxide nanoparticles for in vivo PET imaging. Society of Nuclear Medicine and Molecular Imaging 2015 Annual Meeting, Baltimore, Maryland, June 2015 (# **1024**).
11. **Shi S**, Chen F, Graves SA, Goel S, Barnhart TE, Cai W. Generalized syntheses of tumor targeted yolk/shell structured multifunctional nanosystems. The ASME 2016 5th Global Congress on NanoEngineering for Medicine and Biology, Houston, Texas, February 2016 (**# 5965**).
12. **Shi S**, Wen X, Li D, Cao Q, Pagel M, Ma Q, Li C. Thermosensitive biodegradable copper sulfide nanoparticles for multispectral optoacoustic tomography and adaptive immunity induction. Division of Diagnostic Imaging 2019 Research Retreat, Houston, Texas, September, 2019.

ACADEMIC SERVICE

Journal Review as Reviewer

ACS Applied Materials & Interfaces
American Journal of Nuclear Medicine and Molecular Imaging
Biochemistry and Biophysics Reports
Bioconjugate Chemistry
Bio-protocol
Carbon
Chemico-Biological Interactions
Contrast Media & Molecular Imaging
Expert Opinions on Drug Delivery
Frontiers in Oncology
Journal of Luminescence
Journal of Nanobiotechnology
Molecular Imaging
Molecular Imaging & Biology
Molecular Pharmaceuticals
Nano-Micro Letters
Nanobiotechnology
Nanoscale
Nuclear Medicine and Biology
Oncotarget
Scientific Report
Small
Theranostics

Journal Review as Co-Reviewer

ACS Medicinal Chemistry Letters
ACS Nano
Advanced Healthcare Materials
Advanced Materials
Advanced Science
Applied Materials & Interfaces
Bioorganic & Medicinal Chemistry Letters
Biotechnology Advances
Cancer Letters
Chemical Science
Current Drug Targets
Current Medicinal Chemistry
International Journal of Photoenergy
Journal of Materials Chemistry B
Journal of the American Chemical Society
Langmuir
Molecular Pharmaceutics
Nanoletters

Nanomedicine: Nanotechnology, Biology, and Medicine
Small
Theranostics

Book Review as Co-Reviewer

Emerging applications of graphene in drug delivery (Future Science Group)
Theranostic metallic nanomedicine in oncology: New insights and new concerns (Bentham Science Publishers)

Conference Abstract Review as Reviewer

2020, Society of Nuclear Medicine and Molecular Imaging Annual Meeting, New Orleans, Louisiana, USA
2019, Society of Nuclear Medicine and Molecular Imaging Annual Meeting, Anaheim, California, USA
2018, Society of Nuclear Medicine and Molecular Imaging Annual Meeting, Philadelphia, Pennsylvania, USA