



CURRICULUM VITAE of Dr. LI FANGFEI

Name: LI FANGFEI

Academic qualifications:

2003-2007: B. Sc. Ocean University of China, Qingdao, China
2007-2009: M. Sc. Ocean University of China, Qingdao, China
2009-2013: Ph.D. University of New South Wales, Australia

Previous academic positions held:

2014-2015: Post-doctoral Research Fellow, Institute of Microbiology, Chinese Academy of Sciences, Beijing, China
2015~2016: Post-doctoral Research Fellow, Institute for Advancing Translational Medicine in Bone & Joint Diseases, School of Chinese Medicine, Hong Kong Baptist University, Hong Kong SAR

Present academic position:

2016~now: Research Assistant Professor, Institute for Advancing Translational Medicine in Bone & Joint Diseases, School of Chinese Medicine, Hong Kong Baptist University, Hong Kong SAR

Previous relevant research work:

- Technical expertise: Biochemistry, Molecular pharmacology
- Research area: Targeted drug delivery for anticancer and antimicrobial therapies.

Publication records:

1. **Li F**, Lu J, Liu J, Liang C, Wang M, Wang L, Li D, Yao H, Zhang Q, Wen J, Zhang Z-K, Li J, Lv Q, He X, Guo B, Guan D, Yu Y, Dang L, Wu X, Li Y, Chen G, Jiang F, Sun S, Zhang B-T, Lu A, Zhang G. A water-soluble nucleolin aptamer-paclitaxel conjugate for tumor-specific targeting in ovarian cancer. *Nat. Commun.* 2017; 8, 1390.
2. Liang C, **Li F**, Wang L, Zhang ZK, Wang C, He B, Li J, Chen Z, Shaikh AB, Liu J, Wu X, Peng S, Dang L, Guo B, He X, Au DWT, Lu C, Zhu H, Zhang BT, Lu A, Zhang G. 'Tumor cell-targeted delivery of CRISPR/Cas9 by aptamer-functionalized lipopolymer for therapeutic genome editing of VEGFA in osteosarcoma.' *Biomaterials* 2017; 147,68.
3. **Li F**, Gorle AK, Ranson M, Vine KL, Kinobe R, Feterl M, Warner JM, Keene FR, Collins JG, Day AI, 'Probing the pharmacokinetics of cucurbit[7, 8 and 10]uril: and a dinuclear ruthenium antimicrobial complex encapsulated in cucurbit[10]uril.' *Org. Biomol. Chem.* 2017; 15, 4172.
4. **Li F**, J. G. Collins, F. R. Keene, 'Ruthenium complexes as antimicrobial agents.' *Chem. Soc. Rev.*, 2015; 44, 2529-42.
5. **Li F**, Harry E J, Bottomley AL, Edstein MD, Birrell GW, Woodward CE, Keene FR, Collins JG, 'Dinuclear ruthenium(II) antimicrobial agents that selectively target polysomes *in vivo*', *Chem. Sci.*, 2014; 5, 685.

6. **Li F**, Feterl M, Warner JM, Keene FR, Collins JG, ‘Dinuclear polypyridylruthenium(II) complexes: flow cytometry studies of their accumulation in bacteria and the effect on the bacterial membrane.’ *J. Antimicrob. Chemother.*, 2013; 68, 2825.
7. **Li F**, Feterl M, Warner JM, Day AI, Keene FR, Collins JG, ‘Protein binding by dinuclear polypyridyl ruthenium(II) complexes and the effect of cucurbit[10]uril encapsulation.’ *Dalton Trans.*, 2013; 42, 8868.
8. **Li F**, Weber DK, Morgan JL, Collins JG, Keene FR, ‘An approach to therapeutic agents through selective targeting of destabilised nucleic acid duplex sequences.’ *Dalton Trans.*, 2012; 41, 6528.
9. **Li F**, Feterl M, Warner JM, Collins JG, Keene FR, ‘*In vitro* susceptibility and cellular uptake for a new class of antimicrobial agents: dinuclear ruthenium(II) complexes.’ *J. Antimicrob. Chemother.*, 2012; 67, 2686.
10. **Li F**, Mulyana Y, Feterl M, Warner J M, Collins J G, Keene F R, ‘The antimicrobial activity of inert oligonuclear polypyridylruthenium(II) complexes against pathogenic bacteria, including MRSA’ *Dalton Trans.*, 2011, 40(18), 5032-8.
11. Wang L, **Li F**, Dang L, Liang C, Wang C, He B, Liu J, Li D, Wu X, Xu X, Lu A, Zhang G, ‘*In Vivo* Delivery Systems for Therapeutic Genome Editing.’ *Int J Mol Sci.* 2016; 17, 626.
12. Shaikh AB, **Li F**, Li M, He B, He X, Chen G, Guo B, Li D, Jiang F, Dang L, Zheng S, Liang C, Liu J, Lu C, Liu B, Lu J, Wang L, Lu A, Zhang G. ‘Present Advances and Future Perspectives of Molecular Targeted Therapy for Osteosarcoma.’ *Int J Mol Sci.* 2016, 17, 506
13. Pandrala M, **Li F**, Feterl M, Mulyana Y, Warner JM, Wallace L, Keene FR, Collins J G, ‘Chlorido-containing ruthenium(II) and iridium(III) complexes as antimicrobial agents.’ *Dalton Trans.*, 2013; 42, 4686.
14. Pandrala M, **Li F**, Wallace L, Steel PJ, Moore II B, Autschbach J, Collins JG, Keene FR, ‘Iridium(III) Complexes containing 1,10-Phenanthroline and Derivatives – Synthetic, Stereochemical and Structural Studies, and their Antimicrobial Activity.’ *Aust. J. Chem.*, 2013; 66, 1065.

Book Chapter

Smith JA, **Li F**, Keene FR, Collins JG, ‘Non-covalent DNA binding of metal complexes’ in “Comprehensive Inorganic Chemistry II” (Eds. J. Reedijk and K. Poepelmeier), Elsevier, 2013.

Patent

Keene FR, Collins JG, Warner JM, **Li F**, Heimann K, Mulyana Y, Feterl M, ‘Antimicrobial Agents’, filed on 21/12/2011 with the Australian (2011265513), USA (13/334741) and Canadian (2762717) Patent Offices.