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# EDUCATION

* **Postdoctoral Associate,** Bioorganic Chemistry, **Yale University**, **2007-2009** Advisor: **Professor Andrew D. Hamilton**
* **PhD**, Bioorganic Chemistry, **Washington University in St. Louis**, **2006**

Advisor:**Professor John-Stephen Taylor**

Thesis Title: *Design and Synthesis of Nucleic Acid Templated and Targeted Drugs and Probes*

 **MS**, **Nanjing University**, **China**, **2000**

* **BS**, **Nanjing University**, **China**, **1997**

# POSITIONS AND EMPLOYMENT

* 2007-2009 Postdoctoral Associate, Yale University, New Haven, CT
* 2009-2015 Assistant Professor, University of South Florida, Tampa, FL
* 2009-present Member, Drug Discovery Program, Moffitt Cancer Center, Tampa, FL
* 2015-Present Associate Professor, University of South Florida, Tampa, FL

# RESEARCH INTEREST

**Research Area:** Bioorganic, Chemical Biology, Medicinal Chemistry, Biomaterials, and Biophysics **Research Focus:** Design, synthesis and investigation of bioactive peptidomimetics; development of novel biomaterials

# PUBLICATIONS

**Work from Independent Career at University of South Florida:**

**91**. Xiaojun Sun, Yuan Ren, Steven Gunawan, Peng Teng, Zhengming Chen, Harshani Lawrence, **Jianfeng Cai**, Nicholas Lawrence, and Jie Wu.\* Selective inhibition of leukemia-associated SHP2E69K mutant by the allosteric SHP2 inhibitor SHP099, **Leukemia**, 2018, accepted.

**90.** Yan Shi, Sridevi Challa, Peng Sang, Fengyu She, Chunpu Li, Geoffrey M. Gray, Alekhya Nimmagadda, Peng Teng, Timothy Odom, Yan Wang, Arjan van der Vaart, Qi Li,\* and **Jianfeng Cai**.\* One-Bead-Two-Compound Thioether Bridged Macrocyclic γ-AApeptide Screening Library against EphA2, J. Med. Chem., **2017**, 60, 9290-9298.

**89**. Peng Teng, Alekhya Nimmagadda, Ma Su, Yuzhu Hong, Ning Shen, Chunpu Li, Ling-Yu Tsai, Jessica Cao, Qi Li,\* and **Jianfeng Cai**.\* Novel Bis-Cyclic Guanidines as Potent Membrane-Active Antibacterial Agents with Therapeutic Potential, Chem. Commun., **2017**, 53, 11948-11951.

**88.** Chao Zhang, Xiao cheng, Mengkun Chen, Jie Sheng, Jing Ren, Zhongying Jiang,\* **Jianfeng Cai**,\* and Yong Hu.\* Fluorescence guided photothermal/photodynamic ablation of tumours using pH-responsive chlorin e6-conjugated gold nanorods, Colloids Surfaces B: Biointerfaces, **2017**, 160, 345-354.

**87**. Ma Su, Donglin Xia, Peng Teng, Alekhya Nimmagadda, Chao Zhang, Timothy Odom, Annie Cao, Yong Hu, and **Jianfeng Cai**.\* Membrane-Active Hydantoin Derivatives as Antibiotic Agents, J. Med. Chem., **2017**, 60, 8456-8465.

**86**. Hua Sui, Jihui Zhao, Lihong Zhou, Haotian Wen, Wanli Deng, Chunpu Li, Qing Ji, Xuan Liu, Yuanyuan Feng, Ni Chai, Qibo Zhang, **Jianfeng Cai**, Qi Li.\* Tanshinone IIA inhibits β-catenin/VEGF-mediated angiogenesis by targeting TGF-β1 in normoxic and HIF-1αinhypoxicmicroenvironments in human colorectal cancer, Cancer Lett., **2017**, 403, 86-97.

**85**. Zhe Zhang, Heng Wang, Xu Wang, Yiming Li, Bo Song, Olapeju Bolarinwa, R. Alexander Reese, Tong Zhang, Xu-Qing Wang, **Jianfeng Cai**, Bingqian Xu, Ming Wang,\* Changlin Liu,\* Hai-Bo Yang, and Xiaopeng Li.\* Super Snowflakes: Step-Wise Self-Assembly and Dynamic Exchange of Rhombus Star-Shaped Supramolecules, J. Am. Chem. Soc., **2017**, 139, 8174-8185.

**84.** Peng Teng, Ning Ma, Darrell Cole Cerrato, Fengyu She, Timothy Odom, Xiang Wang, Li-June Ming, Arjan van der Vaart, Lukasz Wojtas, Hai Xu,\* and **Jianfeng Cai**.\* Right-Handed Helical Foldamers Consisting of de novo D-AApeptides, *J. Am. Chem. Soc.*, **2017**, 139, 7363-7369.

**83.** Jianjun Pan,\* Prasana K. Sahoo, Annalisa Dalzini, Zahra Hayati, Chinta M. Aryal, Peng Teng, **Jianfeng Cai**, Humberto Rodriguez Gutierrez, Likai Song.\* Membrane Disruption Mechanism of a Prion Peptide (106-126) Investigated by Atomic Force Microscopy, Raman and Electron Paramagnetic Resonance Spectroscopy, *J. Phys. Chem. B.*, **2017**, 121. 5058-5071.

**82**. Hai Xu,\* Siqi Zhao, Xiang Xiong, Jinzhi Jiang, Wei Xu, Daoben Zhu, Yi Zhang, Wenjie Liang, **Jianfeng Cai.\*** Atomic Force Microscope characterization of self-assembly behaviors of cyclo[8] pyrrole on solid substrates, *Chem. Phys. Lett.*, **2017**, 647,151.

**81**. Nawal K Khadka; Peng Teng, **Jianfeng Cai**, and Jianjun Pan.\* Modulation of Lipid Membrane Structural and Mechanical Properties by a Peptidomimetic Derived from Reduced Amide Scaffold. *Biochim. Biophys. Acta.*, **2017**, 1859,734-744.

**80**. Alekhya Nimmagadda, Yan Shi and **Jianfeng Cai**.\* γ-AApeptides as a new strategy for therapeutic development. *Curr. Med. Chem.*, **2017**, Accepted.

**79**. Olapeju Bolarinwa, Alekhya Nimmagadda, Ma Su, and **Jianfeng Cai**.\* Structure and Function of AApeptides. *Biochemistry***,** **2017**, 445-457.

**78**. Alekhya Nimmagadda, Xuan Liu, Peng Teng, Ma Su, Yaqiong Li, Qiao Qiao, Nawal K Khadka, Xiaoting Sun, Jianjun Pan, Hai Xu,\* Qi Li,\* and **Jianfeng Cai**.\* Polycarbonates with Potent and Selective Antimicrobial Activity toward Gram-Positive Bacteria. *Biomacromolecules*, **2017**, 18, 87-95.

**77**. Peng Sang, Yan Shi, Peng Teng, Annie Cao, Hai Xu, Qi Li, and **Jianfeng Cai.\*** Antimicrobial AApeptides. *Curr. Top. Med. Chem*., **2017**, 17, 1266-1279.

**76.** Peng Teng, Da Huo, Alekhya Nimmagadda, Jianfeng Wu, Fengyu She, Ma Su, Xiaoyang Lin, Jiyu Yan, Annie Cao, Chuanwu Xi,\* Yong Hu,\* and **Jianfeng Cai**.\* Small antimicrobial agents based on acylated reduced amide scaffold. *J. Med. Chem***.**, **2016**, 59, 7877-7887.

**75.** Fengyu She, Alekhya Nimmagadda, Peng Teng, Ma Su, Xiaobing Zuo, and **Jianfeng Cai**.\* Helical 1:1 α/sulfono-γ-AA heterogeneous peptides with antibacterial activity. *Biomacromolecules*, **2016**, 17, 1854–1859.

**74.** Fengyu She, Olapeju Oyesiku, Peiguang Zhou, Shiming Zhuang, David W. Koenig, and **Jianfeng Cai**.\*

The development of Antimicrobial γ-AApeptides. *Future Med. Chem.*, **2016**, 8, 1101.

**73**. Chian Sing Ho, Nawal K. Khakda, Fengyu She, **Jianfeng Cai**, and Jianjun Pan.\* Influenza M2 Transmembrane Domain Senses Membrane Heterogeneity and Enhances Membrane Curvature. *Langmuir*, **2016**, 32, 6730-6738.

**72.** Pavanjeet Kaur, Yaqiong Li, **Jianfeng Cai**,\* and Likai Song.\* Selective Membrane Disruption Mechanism of an Antibacterial γ-AApeptide Defined by EPR Spectroscopy. *Biophys. J.*, **2016**, 110, 1789-1799.

**71**. Peng Teng, Yan Shi, Peng Sang, and **Jianfeng Cai**.\* γ-AApeptides as a new class of peptidomimetics. *Chem. Eur. J.*, **2016**, 22, 2-11.

**70**. Yan Shi, Peng Teng, Peng Sang, Fengyu She, Lulu Wei, and **Jianfeng Cai**.\* γ-AApeptides: design, structure, and applications. *Acc. Chem. Res.*, **2016**, 49, 428-441.

**69**. Hai Xu,\* Siqi Zhao, Yang Ren, Wei Xu, Daoben Zhu, Jinzhi Jiang and **Jianfeng Cai**.\* Primary Investigation of optical limiting performance of Cyclo [8] pyrrole with wide optical limiting window. *RSC Advances*, **2016**, 6, 21067-21071.

**68.** Chian Sing Ho, Nawal K Khakda, Fengyu She, **Jianfeng Cai**, and Jianjun Pan.\* Polyglutamine Aggregates Impair Lipid Membrane Integrity and Enhance Lipid Membrane Rigidity. *Biochim. Biophys. Acta.*, **2016**, 1858, 661-670.

**67**. Yan Wang, Frankie Costanza, Alekhya Nimmagadda, Daqian Song, **Jianfeng Cai,\*** and Qi Li.\* PEGpoly (amino acid)s/MicroRNA complex nanoparticles effectively arrest the growth and metastasis of colorectal cancer, *J. Biomed. Nanotechnol.*, **2016**, 12, 1510-1519.

**66**. Xiaoyang Lin, Ge Bai, Kyle Sutherland, Frankie Costanza, Kurt Breitenkamp, Kevin Sill, **Jianfeng**

**Cai**,\* and Chuanhai Cao.\* Polymer-Encapsulated Aβ Peptide Fragments as an Oligomeric-Specific Vaccine for Alzheimer's disease" *J. Biomed. Nanotechnol.*, **2016**, 12, 1421-1430.

**65.** Haifan Wu, Jinzhi Jiang, Hai Xu, Qi Li, **Jianfeng Cai**.\* RGD mimetic γ-AApeptides and methods of use us 20140004039 a1: a patent evaluation. *Expert Opin. Ther. Pat.***, 2016**, 26, 131-137.

**64.** Fan Chao, Lu Chen, Qingling Huang, Tao Shen, Eric A. Welsh, Jamie K. Teer, **Jianfeng Cai**, W. Douglas Cress, and Jie Wu.\* Overexpression of major CDKN3 transcripts is associated with poor survival in lung adenocarcinoma. *Br. J. Cancer*, **2015**, ASAP.

**63.** Hua Sui, Hanchen Xu, Qing Ji, Xuan Liu, Lihong Zhou, Haiyan Song, Xiqiu Zhou, Yangxian Xu, Zhesheng Chen, **Jianfeng Cai**, Guang Ji, Qi Li.\* 5-hydroxytryptamine receptor (5-HT1DR) promotes colorectal cancermetastasis by regulating Axin1/β-catenin/MMP-7 signaling pathway. *Oncotarget.* **2015**, 25975-25987.

**62.** Haifan Wu, Qiao Qiao, Peng Teng, Yaogang Hu, Dimitrios Antoniadis, Xiaobing Zuo, and **Jianfeng Cai.\*** A new class of heterogeneous helical peptidomimetics. *Org. Lett.*, **2015**, 17 (14), 3524–3527.

**61**. Yaqiong Li, Haifan Wu, Peng Teng, Ge Bai, Xiaoyang Lin, Xiaobing Zuo, Chuanhai Cao, **Jianfeng**

**Cai**.\* Helical antimicrobial sulfono-γ-AApeptides. *J. Med. Chem*., **2015**, 58, 4802-4811.

**60**. Yuxia Hao, Ge Bai, Junping Wang, Longfeng Zhao, Kyle Sutherland, **Jianfeng Cai** and Chuanhai Cao.\* Identifiable biomarker and treatment development using HIV-1 long term non-progressor sera. *BMC Immunol,* **2015**, 16:25.

**59.** Shruti Padhee, Yaqiong Li, **Jianfeng Cai**.\* Activity of lipo-cyclic γ-AApeptides against biofilms of staphylococcus epidermidis and pseudomonas aeruginosa. *Bioorg. Med. Chem. Lett.***, 2015**, 25, 2565– 2569.

**58.** Haifan Wu, Fengyu She, Wen-Yang Gao, Austin Prince, Yaqiong Li, Lulu Wei, Allison Mercer, Lukasz Wojtas, Shengqian Ma, and **Jianfeng Cai.\*** The Synthesis of Head-to-Tail Cyclic SulfonoγAApeptides. *Org. Biomol. Chem.,* **2015**, 13, 672-676.

**57.** Haifan Wu, Qiao Qiao, Yaogang Hu, Peng Teng, Wenyang Gao, Xiaobing Zuo, Lukasz Wojtas, Randy

W. Larsen, Shengqian Ma, and **Jianfeng Cai.\*** Sulfono-γ-AApeptides as a new class of unnatural helical foldamer. *Chem. Eur. J.***, 2015**, 21, 2501-2507.

**56**. Qing Ji, Xuan Liu, Zhifen Han, Lihong Zhou, Hua Sui, Linlin Yan, Haili Jiang, Jianlin Ren, **Jianfeng Cai**, and Qi Li.\* Resveratrol suppresses epithelial-to-mesenchymal transition in colorectal cancer through TGF-β1/Smads signaling pathway mediated Snail/E-cadherin expression. *BMC Cancer***, 2015**, 15:97.

**55**. Xuan Liu, Qing, Ji, Naijing Ye, Hua Sui, Lihong Zhou, Huirong Zhu, Zhongze Fan, **Jianfeng Cai**, and Qi Li.\* Berberine Inhibits Invasion and Metastasis of Colorectal Cancer Cells via COX-2/PGE2 Mediated JAK2/STAT3 Signaling Pathway. *PLoS One***, 2015**, 10(5): e0123478.

**54.** Kenneth E. Ugen, Xiaoyang Lin, Ge Bai, Zhanhua Liang, **Jianfeng Cai**, Kunyun Li, Shijie Song, Chuanhai Cao\* and Juan Sanchez-Ramos. Evaluation of an alpha synuclein sensitized dendritic cell based vaccine in a transgenic mouse model of Parkinson's disease. *Hum. Vaccin. Immunother.,* **2015**, 11, 922-930.

**53**. Peng Teng, Haifan Wu, Lili Lin and Jianfeng Cai.\* Antimicrobial γ-AApeptides (WO2013112548)-a patent evaluation. *Expert Opin. Ther. Pat.***, 2015**, 25, 111-118.

**52.** Yaogang Hu, Ni Cheng, Haifan Wu, Samuel Kang, Richard D. Ye,\* and **Jianfeng Cai.\*** Design, synthesis and characterization of fMLF-mimicking AApeptides. *ChemBioChem*, **2014**, 15, 2420-2426.

**51.** Yaqiong Li, Christina Smith, Haifan Wu, Peng Teng, Yan Shi, Shruti Padhee, Torey Jones, Anh-My

Nguyen, Chuanhai Cao, Hang Yin,\* and **Jianfeng Cai\***. Short antimicrobial lipo-α/γ-AA hybrid peptides. *ChemBioChem*, **2014**, 2074-2280.

**50.** Peng Teng, Xiaolei Zhang, Haifan Wu, Qiao Qiao, Said M Sebti\* and **Jianfeng Cai\***. Identification of novel inhibitors that disrupt STAT3/DNA interaction from γ-AApeptide OBOC combinatorial library. *Chem. Commun.* **2014**, 50, 8739 - 8742.

**49.** Xiaoyang Lin, Ge Bai, Linda Lin, Hengyi Wu, **Jianfeng Cai**, Kenneth E Ugen\*, Chuanhai Cao\*. Vaccination induced changes in pro-inflammatory cytokine levels as an early putative biomarker for cognitive improvement in a transgenic mouse model for Alzheimer disease. *Hum. Vaccin. Immunother.* **2014**, 10(7), 2024-2031.

**48**. Chuanhai Cao\*, Yaqiong Li, Hui Liu, Ge Bai, Xiaoyang Lin, Kyle Sutherland, Jonathan Myal, Neel Nabar, **Jianfeng Cai\***. The potential therapeutic effects of THC on Alzheimer’s disease. *J. Alz. Dis.* **2014**, 973-984.

**47.** Yan Wang, Frankie Costanza, Haifan Wu, Daqian Song, **Jianfeng Cai\*** and Qi Li\*. PEG-poly (amino acid)s-encapsulated Tanshinone IIA as potential therapeutics for the treatment of hepatoma. *J. Mat. Chem. B.* **2014**, 3115-3112.

**46.** Yan Wang, Daqian Song, Frankie Costanza, Huirong Zhu, Zhongze Fan,\* **Jianfeng Cai\*** and Qi Li.\* Targeted Delivery of Tanshinone IIA-conjugated mPEG-PLGA-PLL-cRGD Nanoparticles to Hepatocellular Carcinoma. *J. Biomed. Nanotechnol.* **2014**, 3244-3252.

**45.** Wen-Yang Gao, Yao Chen, Youhong Niu, Kia Williams, Lindsay Cash, Pastor Perez, Lukasz Wojtas , **Jianfeng Cai,** Yu-Sheng Chen and Shengqian Ma\*. Crystal engineering of an nbo topology MOF for chemical fixation of CO2 under ambient conditions. *Angew Chem. Int. Ed.*, **2014**, 53, 2615-2619.

**44.** Shruti Padhee, Christina Smith, Haifan Wu, Yaqiong Li, Namitha Manoj, Qiao Qiao, Zoya Khan,

Chuanhai Cao, Hang Yin,\* and **Jianfeng Cai.\*** The development of antimicrobial γ-AApeptides that suppress pro-inflammatory immune responses. *ChemBioChem*, **2014**, 688-694.

**43.** Haifan Wu, Peng Teng and **Jianfeng Cai.\*** Quick access to multiple classes of peptidomimetics from common γ-AApeptide building blocks. *Eur. J. Org.,* **2014**, 1760-1765.

**42.** Yaqiong Li, Christina Smith, Haifan Wu, Shruti Padhee, Namitha Manoj, Joseph Cardiello, Qiao Qiao,

Chuanhai Cao, Hang Yin,\* and **Jianfeng Cai.\*** Lipidated cyclic γ-AApeptides display both antimicrobial and anti-inflammatory activity. *ACS Chem. Biol.*, **2014**, 9, 211-217.

**41.** Haifan Wu, Yaqiong Li, Ge Bai, Youhong Niu, Qiao Qiao, Jeremiah Tipton, Chuanhai Cao,\* **Jianfeng**

**Cai.\*** γ-AApeptide-based small-molecule ligands that inhibit Aβ aggregation. *Chem. Commun.*, **2014**, 50, 5206-208.

**40.** Frankie Costanza, Shruti Padhee, Haifan Wu, Yan Wang, Jesse Revenis, Chuanhai Cao, Qi Li\* and **Jianfeng Cai.**\* Investigation of antimicrobial PEG-poly(amino acid)s. *RSC Advances*, **2014**, 4, 20892095.

**39.** Rongsheng E. Wang,\* Yin Zhang, Ling Tian, Weibo Cai\* and **Jianfeng Cai**. Antibody-Based Imaging of HER-2: Moving into the Clinic. *Curr. Mol. Med.*, **2013**, 13, 1523-1537.

**38.** Qing Ji, Xuan Liu, Xiaoling Fu, Long Zhang, Hua Sui, Lihong Zhou, Jian Sun, **Jianfeng Cai**, Jianmin Qin, Jianlin Ren\*, Qi Li\*. Resveratrol Inhibits Invasion and Metastasis of Colorectal Cancer Cells via

MALAT1 Mediated Wnt/β-Catenin Signal Pathway. *PLOS One*, **2013**, 8, 11, e78700.

**37.** Yaqiong Li, Haifan Wu, Youhong Niu, Yaogang Hu, Qi Li, Chuanhai Cao, **Jianfeng Cai.\*** Development of RNA Aptamer-Based Therapeutic Agents. *Curr. Med. Chem.,* **2013**, 20, 3655-3663.

**36.** Haifan Wu, Peng Teng, Youhong Niu, Qi Li, **Jianfeng Cai**.\* Polymyxin derivatives: a patent evaluation (WO2012168820). *Expert Opin. Ther. Pat.***,** **2013**, 1075-81.

**35.** Youhong Niu, Haifan Wu, Yaqiong Li, Yaogang Hu, Shruti Padhee, Qi Li, Chuanhai Cao and **Jianfeng Cai**.\* AApeptides as a new class of antimicrobial agents. *Org. Biomol. Chem.* **2013**, 11, 4283-4290.

**34.** Long Zhang, Qing Ji, Xuan Liu, Xingzhu Chen, Zhaohua Chen, Yanyan Qiu, Jian Sun, **Jianfeng Cai**, Huirong Zhu, and Qi Li. Norcantharidin inhibits tumor angiogenesis via blocking VEGFR2/MEK/ERK signaling pathways. *Cancer Sci.***,** **2013**, 104, 604-610.

**33.** Neel R. Nabar, Fang Yuan, Xiaoyang Lin, Li Wang, Ge Bai, Jonathan Mayl, Yaqiong Li, Shu-Feng Zhou, Jinhuan Wang, **Jianfeng Cai**, Chuanhai Cao\*. Cell Therapy: A Safe and Efficacious Therapeutic

Treatment for Alzheimer’s Disease in APP+PS1 Mice.*PLoS One*, **2012**, 7, 12, e49468.

**32.** Youhong Niu, Haifan Wu, Rongfu Huang, Qiao Qiao, Frankie Costanza, Xi-Sen Wang, Yaogang Hu, Mohamad Nassir Amin, Anh-My Nguyen, James Zhang, Edward Haller, Shengqian Ma, Xiao Li, and **Jianfeng Cai\***. Nanorods formed from a new class of peptidomimetics. *Macromolecules*, **2012**, 45, 7350–7355.**31.** Yaogang Hu, Mohamad Nassir Amin, Shruti Padhee, Rongsheng E. Wang, Qiao Qiao, Ge Bai, Yaqong Li, Archana Mathew, Chuanhai Cao, and **Jianfeng Cai\***. Lipidated Peptidomimetics with Improved Antimicrobial Activity. *ACS Med. Chem. Lett****.*** **2012**, *55*, 4003-4009.

**30.** Youhong Niu, Rongsheng E. Wang\*, Haifan Wu, **Jianfeng Cai\***. Recent development of small antimicrobial peptidomimetics***.*** *Future Med. Chem.* **2012**, 4, 14, 1853-1862.

**29.** Haifan Wu, Mohamad Nassir Amin, Youhong Niu, Qiao Qiao, Nassier Harfouch, Abdelfattah Nimer, **Jianfeng Cai\***. Solid Phase Synthesis of γ-AApeptides Using a Novel Submonomeric Approach. *Org. Lett.* **2012**, *14*, 3446-3449.

**28.** Yunan Yang, Youhong Niu, Hao Hong, Haifan Wu, Yin Zhang, Jonathan W. Engle, Todd E. Barnhart,

**Jianfeng Cai\***, and Weibo Cai\*. Radiolabeled γ-AApeptides: A New Class of Tracers for Positron Emission Tomography. *Chem. Commun.* **2012**, *48*, 7850-7852.

**27.** Haifan Wu, Youhong Niu, Shruti Padhee, Rongsheng E Wang, Yaqiong Li, Qiao Qiao, Ge Bai, Chuanhai Cao, and **Jianfeng Cai**\*. Design and synthesis of unprecedented cyclic γ-AApeptides for antimicrobial development. *Chem. Sci.***,** **2012**, *3*, 2570-2575.

**26.** Zhongqiu Luo, Jialin Li, Neel R. Nabar, Xiaoyang Lin, Ge Bai, **Jianfeng Cai**, Shu-Feng Zhou, Chuanhai Cao\*, Jinhuan Wang\*. Efficacy of a Therapeutic Vaccine Using Mutated β-amyloid Sensitized Dendritic Cells in Alzheimer’s Mice. *J. Neuroimmune Pharmacol.*, **2012**, 7, 640-645.

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N. Burda, Lindsey N. Shaw, Chuanhai Cao, and **Jianfeng Cai**\*. Lipo-γ-AApeptides as a new class of potent and broad-spectrum antimicrobial agents. *J. Med. Chem.* **2012**, *55*(8), 4003–4009.

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Harrington, Lindsey N. Shaw, Chuanhai Cao, and **Jianfeng Cai**\*. Non-Hemolytic α-AApeptides as Antimicrobial Peptidomimetics. *Chem. Commun.***2011**, *47* (34), 9729 - 9731

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**Work from Graduate and Postdoc.**

**10.** Rongsheng E. Wang, Raj K. Pandita, **Jianfeng Cai**, Clayton R. Hunt, John-Stephen Taylor\*. Inhibition of Heat Shock Transcription Factor Binding by a Linear Polyamide Binding in an Unusual 1:1 Mode. *ChemBioChem*, **2012**, *13*(1), 97-104.

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