**CV of Dr. Philip Yong-Xin Li**

**1. Academic Qualification**

* PhD (2014), HKUST, Hong Kong
* MPhil (2010), Peking University, China
* BSc (2008), Peking University, China

**2. Positions Held（**Chronological Order**）**

* Assistant Professor, Department of Chemistry, The University of Hong Kong (HKU) (2019-present)
* Research Assistant Professor, Department of Ocean Science, The Hong Kong University of Science and Technology (HKUST). (01/2019-06/2019)
* Postdoctoral Fellow, IAS, The Hong Kong University of Science and Technology (HKUST). (2014-2018)

**3. Research Areas Related to Ocean Science, Technology and/or Policy**

* Dr. Li is a marine chemical biologist, and his research is focused on marine chemical biology, marine drug discovery, marine microbiome, big data genome mining, and synthetic biology.

**4. Funded Research Projects as Principal Investigator (PI), Co-PI or Co-Investigator (Co-I) over the Past 5 Years (Maximum 5 Projects):**

**5. Five Key Publications over the Past 5 Years （**\*Corresponding author**）**

* **Li YX**, Zhong Z, Hou P, Zhang W, Qian PY. 2018. Resistance to nonribosomal peptide antibiotics mediated by D-stereospecific peptidases. ***Nature Chemical Biology*** 14 (4), 381-385. (Highlighted by F1000 Prime, Xinhua News, TVB News, BTV News, AsiaScientist, Science Daily, Science Newsline, etc).
* **Li YX**, Zhong Z, Zhang W, Qian PY. 2018. Discovery of cationic nonribosomal peptides as Gram-negative antibiotics through global genome mining. ***Nature Communication***, 9(1): 3273. (Editor’s Highlights paper in Therapeutics, Recommended by F1000 Prime)
* **Li YX**, Li Z, Yamanaka K, Xu Y, Zhang W, Vlamakis H, Kolter R, Moore BS, Qian PY. 2015. Directed natural product biosynthesis gene cluster capture and expression in the model bacterium Bacillus subtilis. ***Scientific reports***. 5: 9383.
* Zhang WP, Ding W, **Li YX**, Tam CK, Bougouffa S, Wang RJ, Pei B, Chiang HY, Leung PM , Lu YH, Sun J, Fu H, Bajic VB, Liu HB, Webster NS, Qian PY\*, 2019. Biofilms constitute a bank of hidden microbial diversity and functional potential, ***Nature Communication***. 31;10(1):517.
* **Li YX**, Wu HX, Xu Y, Shao CL, Wang CY, Qian PY. 2013. Antifouling activity of secondary metabolites isolated from Chinese marine organisms. ***Marine Biotechnology***. 15(5):552-558.

**6. Awards and Recognition**

1) 2014-17 IAS Postdoctoral Fellowship, HKUST.

2) 2013 Oversea Research Awards, HKUST.

3) 2012 Research Excellence Award, HKUST