



香港城市大學
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Department of Biomedical Sciences

presents a seminar

“Secondary Metabolites and their Bioactivities from Isodon species and their endophytic fungi”

Prof Jian-Xin Pu
Kunming Institute Botany

Date : 20 June 2017

Time: 11:00am to 12:30pm

Venue: Meeting Room 1B-G04, G/F, Block 1, To Yuen Building

About the Speaker

After graduation of B.S. and M.S. from Yunnan University, Prof. Pu finished his PhD. In Kunming Institute Botany. He has been a professor in Kunming Institute Botany. His research interest is Natural Products Chemistry. He majorly focused on the basic and applied basic research for the secondary metabolites and their bioactivities from two economically and medicinally important phytogroup (the Schisandraceae family and the genus Isodon) and their endophytic fungus. In the recent five years, some new breakthroughs in the discovery of novel compounds and significant pharmacological studies have been made, and the biomimetic synthesis, semi- and total synthesis and structure modification also have been applied to rich the research contents. In addition, the expanding research about the secondary metabolites from the endophytic fungus of the Isodon species has been carried out. In the end, the above research results have laid the solid foundation for realizing the holistic and systematic research model of “phytogroup and their microorganism”. 804 new compounds including 30 novel skeletons have been isolated and characterized, and 8 of them have been featured in the well-known “Hot off the press” columns of “Nat. Prod. Rep.”. And 6 diterpenoids have been selected as lead compounds. The applicant had published 81 related papers, in various peer-reviewed, SCI-listed journals, including Org. Lett., Chem. Commun. and Cancer Res., 51 of them (11 ones with IF>5) were published by the applicant as corresponding author, or co-corresponding authors. The H-index of the application has reached to 21. Eight patents have been granted. Fifteen projects including the NSFC-Joint Foundation of Yunnan Province and NSFC have been supported. Due to the excellent work, the applicant has been honored to received several awards, like the special prize of the YNSA (Yunnan Natural Science Award), and the first class prize of the YNSA, and so on. The applicant also has been chosen to join the excellent young scientist of NSFC, and the first Youth Innovation Society of CAS.

Enquiry:

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All are welcome!