Applications are invited for Graduate Student and Postdoctoral Researcher positions to undertake innovative research in the Department of Biotechnology, Yeungnam University, Republic of Korea (http://www.yu.ac.kr/en/main/index.php). Experience in some or all of the following disciplines are desirable: microbiology (fungi, bacteria), biochemistry, analytic chemistry, or molecular biology. Good oral and written communication skills and ability to work independently and as part of a team are required.

The successful candidates will participate in the following project.

Project: Biocontrol of Pine Wood Nematode using Metabolites Isolates from Endophytes of Pine Trees

- Isolation of endophytes (fungi, bacteria) from pine trees.
- Screening of metabolites isolated from endophytes for nematicidal activity
- Isolation and identification of the nematicidal metabolite(s)
- Metabolic profiling using LC-MS-MS.
- Molecular mechanism of the nematicidal metabolite(s) in pine tree
- Other molecular and cellular biology works.

Further information about our research and recent publications can be found at http://pmmelab.wix.com/hanhongbae. Salary will be ~USD 2,000 for postdoctoral researcher per month, and stipend for graduate students. For application, send email to Dr. Hanhong Bae (hanhongbae@ynu.ac.kr) with CV. The positions will be available from March 1, 2015.

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