Ph.D and/or Master Student Positions are Available
Special Crop Science Lab (Plant Molecular Physiology Lab), Chonnam Nat’l Univ. Korea

We are looking for highly motivated students in Chonnam National University*, Korea, and whoever experienced in plant molecular biology/physiology (Gene cloning, qRT-PCR, Plant Tissue Culture and Regeneration, \textit{in planta} transformation/or genome editing and functional characterization) is more welcome !. A person can be participated in one of projects below,

First, elucidating the basic roles of plant phospholipase A family in molecular biology, genetic, and biochemistry level (Lee et al., 2010. 22:1812-1825 Plant Cell; Jang and Lee 2019 Plant Sci. 10.1016/j.plantsci.2019.110224). Understanding the role of plant phospholipase and plant development based on plant hormone singaling will be the main focus.

Second, functional characterization of ginseng saponin (triterpene) biosynthesis-related genes such as HMG Co-A reductase (Kim et al., 2014 165:373-387 Plant Physiology), Dammarenediol synthase, Squalene synthase, Squalene epoxidase, UGT, P450 genes. Promoter analysis of the genes by ChiP or yeast one/two-hybrid analysis, and finding their main regulator will be the focus. Ultimately selective ginseng saponin production by genome editing \textit{in planta} system is also our interest. Experience in analytical tools such as HPLC, LS/MS is a plus.

Any experience in confocal microscopy can be a merit. Salary is commensurate with experience and qualifications. Interested candidate should apply by email to Prof. Ok Ran Lee (mpizlee@jnu.ac.kr). The email should include the following: (1) Cover letter explaining the research interests and possible proposal based on the given topics, (2) CV, (3) if have, publication lists or in press articles, and (4) contact information including phone numbers for at least 3 references.

More detailed guideline for the graduate school admission can be found here (http://international.jnu.ac.kr/eng/)

*CNU has continued its glorious traditions as a leading star of the Honam region toward a broader world and brighter future. CNU has grown important and professional human resources of the country as a major national university. And it has also earned a top 10-level research competence in the nation as a research-focused university. Moreover, its unstinted support for education gives the highest satisfaction to students. Based on the sacred entials, Chonnam National University is growing into a world-class university.