We are looking for a highly motivated student (Ph.D and or master or combined course) who have experienced in plant molecular biology/physiology (Gene cloning, qRT-PCR, in planta transformation and functional characterization) in Chonnam National University*, Korea. A Ph.D. student 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). Understanding the role of plant phospholipase and plant development based on auxin hormone will be the main focus.

Second, functional characterization of ginseng saponin (triterpene) biosynthesis-related genes such as HMGR (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 in bacteria or in planta system is also our interest. Experience in analytical tools such as HPLC, LS/MS is a plus.

Any experience in confocal microscopy and/or plant tissue culture 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, publications or in press articles, and (4) contact informations 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.

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농업생명과학대학 특용작물학 실험실에서 식물에서도 고부가 작물을 활용한 생명공학적 연구에 관심이 있는 학생으로 연구 보조원의 경험을 쌓고자 하는 학생의 지원을 받습니다. 또한 석사후 연구원으로 남고자 하는 분들의 지원을 받습니다.

1. 학부생 연구 보조원

지원자격: 생물학적 호기심이 많고, 의지가 강한 성실한 학생
근무시간: 매일 1-2 시간 또는 주에 2 틀정도-편하게 협의 가능
업무사항: 식물 관리 (물주기, 씨박기, 라벨링하기, 파종하기), 유전자증폭기 (PCR) 활용법 터득 후 간단한 연구보조 업무수행. 실험실 안전 및 청결 관리. DNA 및 RNA 뽑는 법 터득 후 보조업무 수행
우대사항: 식물학에 관심이 있어. 졸업후 진로도 연계하고자 하는 학생

2. 석사후 연구원

지원자격: 농학, 식물학, 생물학, 식물분자생물학, 농화학, 미생물학 등 관련분야 석사학위 소시자
근무시간: 전일제 또는 파트타임제 (매일 6시간 이하) 협의 가능
업무사항: qRT-PCR을 비롯한 간단한 분자생물학적 기술활용 연구결과 도출
우대사항: 지속적으로 꾸준히 연구를 수행할 수 있는 자, 책임감이 있는 자