

## Recruitment of Master and Ph.D course Students (Chonnam National University, Gwangju, South Korea)

**Professor's Contact Details**

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**Department and Research Field**

Department	<ul style="list-style-type: none"> <li>- Department of Biotechnology and Bioengineering</li> <li>- Interdisciplinary Program of Bioenergy and Biomaterials</li> </ul>
Field of Study/Major	<p>1. Development of recombinant strains (bacteria and microalgae) using metabolic engineering (systems biology) approach</p> <ul style="list-style-type: none"> <li>- DNA cloning</li> <li>- Proteomics, Genomics</li> </ul> <p>2. Modification of biomolecules for enhanced biological activities</p> <ul style="list-style-type: none"> <li>- <i>in vitro</i> assay</li> </ul>

**Details on the Research Assistantship and Support**

<b>Assistantship Allowance per month (US dollar)</b>	
Master course (combined MS/Ph.D)	800 ~ 900 US \$
Ph.D course	900 ~ 1100 US \$
<b>Extra Benefits</b>	
<ul style="list-style-type: none"> <li><input type="radio"/> Incentive for the publication of research paper</li> <li><input type="radio"/> Supporting the expenses for the presentation at international conference (traveling fee and registration)</li> </ul>	

**(Remarks)**

## Recruitment of Master and Ph.D course Students (Chonnam National University, Gwangju, South Korea)

**Professor's Contact Details**

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**Department and Research Field**

<b>Department</b>	<ul style="list-style-type: none"> <li>- Department of Biotechnology and Bioengineering</li> <li>- Interdisciplinary Program of Bioenergy and Biomaterials</li> </ul>
<b>Field of Study/Major</b>	<ul style="list-style-type: none"> <li>√ Microbial fermentation process development and optimization               <ul style="list-style-type: none"> <li>- Development of high-cell-density cultivation technologies</li> <li>- Optimization of medium &amp; process parameters to maximize the productivity of bio-products such as biochemical, bioenergy, biopolymer and recombinant proteins</li> <li>- Design of bio-reactors efficient in transferring gaseous substrates such as CO<sub>2</sub> and CH<sub>4</sub> into a liquid medium</li> <li>- Development of cell immobilization technologies</li> </ul> </li> </ul>

**Details on the Research Assistantship and Support**

<b>Assistantship Allowance per month (US dollar)</b>	
<b>Master course (combined MS/Ph.D)</b>	800 ~ 900 US \$
<b>Ph.D course</b>	900 ~ 1200 US \$
<b>Extra Benefits</b>	
<ul style="list-style-type: none"> <li><input type="radio"/> Incentive for the publication of research paper</li> <li><input type="radio"/> Supporting the expenses for the presentation at international conference (traveling fee and registration)</li> </ul>	

**Remarks**

## Recruitment of Master and Ph.D course Students (Chonnam National University, Gwangju, South Korea)

**Professor's Contact Details**

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<b>E-mail Address</b>	leesh@jnu.ac.kr
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**Department and Research Field**

<b>Department</b>	<ul style="list-style-type: none"> <li>- Department of Biotechnology and Bioengineering</li> <li>- Interdisciplinary Program of Bioenergy and Biomaterials</li> </ul>
<b>Field of Study/Major</b>	<p>1. Metabolic engineering for the production of biofuel and chemicals</p> <ul style="list-style-type: none"> <li>- Development of platform strain for utilization of sustainable resources</li> <li>- Production of biopolymer and monomer</li> </ul> <p>2. Application of cell surface displayed enzymes</p> <ul style="list-style-type: none"> <li>- Production of fine chemicals via biotransformation</li> <li>- Surface modification of bacteria</li> </ul>

**Details on the Research Assistantship and Support**

<b>Assistantship Allowance per month (US dollar)</b>	
<b>Master course (combined MS/Ph.D)</b>	800 ~ 1000 US \$
<b>Ph.D course</b>	900 ~ 1200 US \$
<b>Extra Benefits</b>	
<ul style="list-style-type: none"> <li><input type="radio"/> Incentive for the publication of research paper</li> <li><input type="radio"/> Opportunity to present at international conference</li> </ul>	

**(Remarks)**