

## NCS-Based KAIST Job Description

Recruitment area	Research (Post-Doc)	Classification system	Parent category	Sub-category	Sub sub-category	Sub sub-sub-category
			*17 Chemistry. Bio	05. Bio	01. Biomedicine	02. Biomedical R&D
Mission	<ul style="list-style-type: none"> <li>○ Korea Advanced Institute of Science and Technology (KAIST) Act               <ul style="list-style-type: none"> <li>- Educating outstanding talent proficient in theory and practice as required in the fields of science and technology for industrial development</li> <li>- Carrying out the nation's mid- and long-term R&amp;D, and basic and applied research to foster national competitiveness in science and technology</li> <li>- Providing comprehensive support to research conducted by other research centers and industries</li> </ul> </li> </ul>					
KAIST's major businesses	<ul style="list-style-type: none"> <li>○ Education: Fostering creative talent, strengthening convergence education, nurturing global leaders in science and technology, strengthening human resource capacity</li> <li>○ Research: Support for development of outstanding research projects, acquisition of specialized researchers, advancement of entrepreneurial culture, creation of high value-added intellectual property rights, promotion of technology transfer/commercialization, and development of large-scale, leading projects</li> <li>○ Cooperation: Creating a working environment to be at par with global standards, and multifaceted cooperation for global leadership</li> <li>○ Administration: Provision of administrative and technical service for international students/faculty (Support for operation of a "Korean-English bilingual campus")</li> </ul>					
Growth engines	<ul style="list-style-type: none"> <li>○ Vision: Global Value-Creative World-Leading University               <ul style="list-style-type: none"> <li>- Hub for Fostering Knowledge Creation and Global Convergence Talents</li> <li>- Center for the World-Leading New Knowledge and Technology)</li> </ul> </li> <li>○ Five innovation initiatives: Innovation in education, research, technology commercialization, globalization and future strategies</li> <li>○ 3C Leadership: Change, Communication, Care</li> </ul>					
Duties and responsibilities	<ul style="list-style-type: none"> <li>○ Analyses of the structures and properties of peptides and proteins</li> <li>○ Cell culture and analysis of cytotoxicity / cellular distribution (cellular imaging) of peptides and proteins</li> </ul>					
Job performance details	<p>* To be determined within the following topics, considering the applicant's research experience and interest.</p> <ul style="list-style-type: none"> <li>○ Analyses of the structures and properties of peptides and proteins</li> <li>○ Measurements / analyses of ESI-Mass, TEM, Bio-TEM, DLS etc</li> <li>○ Cell culture, cell studies with peptides and proteins</li> </ul>					
Knowledge required	<ul style="list-style-type: none"> <li>○ Basic knowledge as a Ph.D. researcher in the field of biochemistry, biophysical chemistry, chemical biology or protein chemistry</li> </ul>					
Required skills	<p>* Experience with some of the techniques below is preferred</p> <ul style="list-style-type: none"> <li>○ Measurements /analyses of peptides and proteins by ESI-Mass, TEM, Bio-TEM, DLS etc</li> <li>○ Biochemical skills (gel electrophoresis, various assays etc)</li> <li>○ Cell culture and cell studies</li> <li>○ Writing manuscripts and research reports</li> </ul>					
Attitude while performing duties	<ul style="list-style-type: none"> <li>○ Compliance with research ethics</li> <li>○ Active attitude and willingness to challenge</li> </ul>					
Basic skills	<p>Candidates and holders of a Ph.D. degree</p> <ul style="list-style-type: none"> <li>- in Biochemistry</li> <li>- in Biophysical Chemistry</li> <li>- in Chemical Biology</li> <li>- in Protein Chemistry</li> </ul>					
Reference site	<p><a href="http://www.ncs.go.kr">www.ncs.go.kr</a>, <a href="http://www.kaist.ac.kr">www.kaist.ac.kr</a></p>					