## Job Description

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Researcher (in silico)</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of People</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Job Summary

- Samsung Biologics is recruiting for an outstanding individual who is an experienced scientist/engineer in the field of computational biology based on knowledge of bioengineering. This candidate should be a committed and enthusiastic and willing to share our mission and core value. We anticipate that you will be a key contributor in a team dedicated to delivering faster and better client’s success to IND & BLA.

### Key Responsibilities /Accountabilities

- **Support statistical tasks** arising in process development
- **Develop framework or toolkit for various statistical task of process development**
- **In silico toolkit** construction for enhancing CRDMO service
  - protein seq. analysis in terms of developability/immunogenicity assessment
  - in-house media development or optimization based on fluxomics
  - supporting HT techniques (HT-intact MS…)
  - systemic analysis/prediction with combining CPP/CQA/clinical science
- **Big data handling using machine learning technique** to obtain innovative new value

### Education

- Master degree or advanced degree in Computational Biology, Bioinformatics, Computer Science, Computer Engineering, Biology, or other relevant discipline
- **Double major in biology and computer science is highly preferred**

### Qualifications

#### Required Experiences

- Experience in programming environments such as R, Python, Matlab, etc.
- Academic/Industrial experience in **mathematical modeling, mechanistic modeling, bio-statistics** and/or programing languages (R, Python, Matlab, etc.)
- Having the published paper (SCI grade) is highly preferred
| Knowledge/Skill | • Comprehensive knowledge of **systems biology** and/or **computational biology**  
• Good skill of **statistical approach** (OFAT, RSM, MVDA, etc)  
• Good skill of **mathematical modeling**  
• Good programming language skills  
• Good communication skill with in-depth scientific insight to collaborate with other experts  
• Understanding manufacturing process development and industrial practice of biopharmaceuticals is preferred |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Company</td>
<td>Target domestic academia: 생명화학공학과 또는 바이오뇌공학과</td>
</tr>
<tr>
<td>Department Current Condition</td>
<td>Urgently needing experienced people for launching new research projects.</td>
</tr>
</tbody>
</table>
# Job Description

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Researcher (Multi-specific antibody platform)</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of People</td>
<td>• Samsung Biologics is looking for highly motivated scientist with experience in antibody platform technology development. The scientist will research/develop new platform technology with implementing cutting-edge molecular biology and bioassay for the development of optimal antibody structure and screening assays. The scientist will be involved in all activities of a team, including cloning, assay design &amp; development and data analysis, and mechanism of action studies for developing new platform technology</td>
<td></td>
</tr>
</tbody>
</table>
| Job Summary | • Implement new technologies that allows to improve the company's value or conventional practice for better efficiency  
• Do hands-on lab works: DNA cloning, cell culture and maintenance, physio-chemistry analysis and another molecular biology experiments  
• Develop screening assays to identify purpose-fit molecule  
• Establish and qualify MoA-based functional assays and characterization testing  
• Resolve raw data and summarize technical consequence with in-depth scientific insight  
• Create technical report and relative documentation  
• Constantly survey and report the trends of cutting-edge technologies |            |
| Key Responsibilities /Accountabilities | • Master degree or advanced degree in (Molecular) Biology, Biochemistry, Genetic engineering, Protein engineering, Life science or other relevant discipline |            |
| Qualifications | • Experience in in biopharmaceutical industry.  
• Candidate who has a high-graded publication regarding antibody/antibody-derivatives engineering is highly preferred |            |
| Knowledge/Skill | • Comprehensive knowledge of **antibody engineering**.
|                | • Good communication skill with in-depth scientific insight to collaborate with other experts.
|                | • Understanding manufacturing process development and industrial practice of biopharmaceuticals is preferred. |

<table>
<thead>
<tr>
<th>Target Company</th>
</tr>
</thead>
</table>

| Department Current Condition |
## Job Description

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Process Scientist</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of People</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Job Summary**

Samsung Biologics is recruiting for an outstanding individual who is an experienced scientist/engineer in the field of biopharmaceutical industry. This candidate should be a committed and enthusiastic and willing to share our mission and core value. We anticipate that you will be a key contributor in a team dedicated to delivering faster and better client’s success to IND & BLA.

**Key Responsibilities /Accountabilities**

- Create and develop a new platform technology for improving practices of process development
- Create documentation of development report
- Actively collaborate with another Parts/Teams of process development to innovate practices
- Conduct hands-on experiments to make up platform technology (USP, DSP, Analytics, Formulation)

**Education**

- Ph. D or Master degree in the related to Biology, Chemical Engineering, Pharmacology, Medical Science, or another Biopharmaceutical-related Science/Engineering

**Qualifications**

**Required Experiences**

- More than 3 years of experience in biopharmaceutical industry, including manufacturing process development (USP, DSP, Formulation, Analytics, Quality Management)
- Experience of IND or BLA filing for biologics development as a CMC developer is preferred
- Experience of process development based on DoE or other statistics

**Knowledge/ Skill**

- Good communication skill with in-depth scientific insight to collaborate with other experts and colleagues
- Smart people who can do comprehensive thinking
- Understanding about manufacturing process development, large-scaled GMP manufacturing, relative regulations, and industrial practice of biopharmaceuticals

<table>
<thead>
<tr>
<th>Target Company</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Current Condition</td>
<td>-</td>
</tr>
</tbody>
</table>