The Future Talent Program features Cooperative (Co-op) education that lasts up to 6 months and will include one or more projects. These opportunities in our Manufacturing & Supply Division can provide you with great development and a chance to see if we are the right company for your long-term goals.

This experience will provide you with great opportunity to develop yourself both technically and professionally. You will get an opportunity to work alongside scientists and engineers in late-stage process development and commercialization. You will get to engage our business and culture to see if we are the right company for your long-term career goals.

About Us

Global Vaccines & Biologics Commercialization (GVBC) is responsible for advancing our growing pipeline of large molecules. This includes the planning and execution of process development studies to support design & characterization of commercial-scale processes. The organization is also responsible for technology transfer to commercial manufacturing sites. We support process validation, regulatory approval, and initial launch of our new products.

GVBC includes three departments listed below. The intent is to have one co-op assigned to each department.

- **Bioprocess Drug Substance Commercialization** BDSC - (West Point, PA, Rahway, NJ, Kenilworth, NJ and North Wales, PA), is responsible for commercializing Our Company’s innovative vaccine and biologics products, providing world class expertise in commercial large molecule drug substance development and transition to commercial supply. BDSC scientists have expertise in upstream bioprocessing, purification, and conjugation chemistry in laboratories, pilot plants, and commercial facilities.

- **Sterile Drug Product Commercialization** SDPC - (West Point, PA) - is responsible for commercializing Our Company’s innovative vaccine, biologics, and sterile pharma products, providing world class expertise in commercial sterile drug product development and transition to commercial supply. SDPC activities include late-stage process development and characterization, technology transfer, and regulatory filing authoring to enable launch and initial supply.

- **Commercialization Operations & Process Attribute Sciences** ComPAS - (West Point, PA, Kenilworth, NJ, North Wales, PA) – is responsible for supporting the Large Molecule commercialization departments through development and implementation of process analytics that characterize the manufacturing processes. The ComPAS team also delivers efficiency and speed with cross-departmental support of laboratory operations, business systems, and quality/compliance.

This position is responsible for but not limited to:

- Designing and executing process development and characterization studies
- Authoring technical protocols for studies, including ensuring appropriate design of experiments (DoE), sample size selection, and acceptance criteria
- Managing sample submission and tracking. Employing statistical tools and methods to analyze results
- Authoring technical reports that can be used as source documentation for regulatory filings
- Participation in development teams (working group)
- Presenting study results and conclusions at team (working group) and department meetings
- Ensuring technical information is clearly understood and integrated into decision making
- Supporting computational modeling work
- Authoring or performing second-person review (SPR) for high-quality regulatory submissions
- Ensuring safety when performing experiments in the lab and documentation compliance when performing technical writing
- Supporting portfolio and project management initiatives
- Providing support to commercial operations through participating in laboratory and business operations activities
- Contributing to a culture of high performance, out of the box thinking, innovation and learning, empowerment, diversity and inclusion
This is a full-time, yearlong co-op position with flexible start date either Summer or Fall 2023.

Under New York City, Washington State and California State law, the Company is required to provide a reasonable estimate of the salary range for this job. Final determinations with respect to salary will take into account a number of factors, which may include, but not be limited to the primary work location and the chosen candidate’s relevant skills, experience, and education.

Expected salary range:

$39,600.00-$105,500.00

Required Education & Experience:

- Candidate must be pursuing BS or MS degree in Chemical, Pharm Sci, Biomedical, or related Engineering discipline
- Candidate must be available for a duration of 12 months, with a start date of approximately 31Aug2023
- Candidate must have communication, leadership and teamwork skills

Preferred Experience & Skills:

- Candidates should have hands-on laboratory experience in biologics or vaccine research
- Candidates should have experience using Lean/Six Sigma tools
- Candidates should have capabilities for managing multiple tasks simultaneously, including leading small projects
- Candidates should have frequent interactions with individuals within own and from other departments
- Candidates should have experience with software such as Excel, JMP, Minitab, and MATLAB

Our Manufacturing & Supply Division is dedicated to being the most trusted supplier of bio-pharmaceuticals worldwide. Our facilities, along with our external contractors, suppliers, and partners, create a reliable global manufacturing network that’s devoted to delivering a high quality, reliable supply to customers and patients on time, every time.

Who we are...

We are known as Merck & Co., Inc., Rahway, New Jersey, USA in the United States and Canada and MSD everywhere else. For more than a century, we have been inventing for life, bringing forward medicines and vaccines for many of the world’s most challenging diseases. Today, our company continues to be at the forefront of research to deliver innovative health solutions and advance the prevention and treatment of diseases that threaten people and animals around the world.

What we look for...

Imagine getting up in the morning for a job as important as helping to save and improve lives around the world. Here, you have that opportunity. You can put your empathy, creativity, digital mastery, or scientific genius to work in collaboration with a diverse group of colleagues who pursue and bring hope to countless people who are battling some of the most challenging diseases of our time. Our team is constantly evolving, so if you are among the intellectually curious, join us—and start making your impact today.

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Exert Text to Students:

Merck is looking to hire Purdue students in their Future Talent Program features Cooperative (Co-op) education that lasts up to 6-12 months and will include one or more projects. These opportunities in our Manufacturing & Supply
Division can provide you with great development and a chance to see if we are the right company for your long-term goals.

They are seeking students who are excited about putting your empathy, creativity, digital mastery, or scientific genius to work in collaboration with a diverse group of colleagues who pursue and bring hope to countless people who are battling some of the most challenging diseases of our time.

**Required Education & Experience:**

- Candidate must be pursuing BS or MS degree in Chemical, Pharm Sci, Biomedical, or related Engineering discipline
- Candidate must be available for a duration of 12 months, with a start date of approximately 31 Aug 2023
- Candidate must have communication, leadership and teamwork skills

**Preferred Experience & Skills:**

- Candidates should have hands-on laboratory experience in biologics or vaccine research
- Candidates should have experience using Lean/Six Sigma tools
- Candidates should have capabilities for managing multiple tasks simultaneously, including leading small projects
- Candidates should have frequent interactions with individuals within own and from other departments
- Candidates should have experience with software such as Excel, JMP, Minitab, and MATLAB

Expected salary range:

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[Apply Here](https://engineering-purdue-csm.symplicity.com/students/app/jobs/detail/2bf6ac9ab182044c64a52edd01a97a03)