



All the research, development and marketing in the world won't get a product into the hands of patients if there's no product available.

A patient's health is too precious to put on hold. Product needs to be ready, quality tested and in scaled-up quantities to ship to patients who need it from the day of Food and Drug Administration approval and every day thereafter. Acting as the critical bridge between the efforts of Research and Development and Marketing, Pharmaceutical Operations is the very heart of Novartis.

The Novartis Pharmaceuticals Corporation Pharmaceutical Operations Department, based in Suffern, N.Y., and East Hanover, N.J., is comprised of a number of disciplines, including Site Engineering, Project Management, Quality Assurance, Materials Management, Production Operations, Technical Support and Automation, as well as its own Communications and IT support. As such, it employs a varied range of diverse individuals from entry-level to executive management and PhDs., in a wide variety of disciplines from engineers and chemists to packaging and production, with one focused goal: getting high quality, innovative products to the patients who need them — fast.

Novartis' main Pharmaceutical Operations site in Suffern is a 650,000 square foot facility on 162 acres, with a modern 190,000

square foot production facility incorporating the latest advances in manufacturing automation and technology. More than 35 major pharmaceutical products are manufactured and/or packaged on site in solid dosage forms that include tablets, capsules and patches. Production Operations is in the process of phenomenal growth, preparing to support many of the more than 80 projects in Novartis' pipeline — 43 of them scheduled to launch by 2005.

Our work fulfills the most stringent standards of a highly regulated industry, and we must constantly adapt to the uncertainties of regulatory approval and market demand. Supporting the more than 400 Pharmaceutical Operations employees is a state-of-the-art Manufacturing Execution System (MES), launched as a global pilot at Suffern in 2001, that allows automation of documentation and information, including batch records. MES is just one example of the innovative practices used in our Pharmaceutical Operations unit to streamline, simplify and speed the production process.

But our tenacious pursuit of continuous improvement extends beyond our facilities to our own people. The Suffern site boasts a LEARN facility that supports employees in career planning and development, job

training, skills improvement, work/family balance and continuing education.

Employees are encouraged and assisted in mapping and pursuing their career goals, as well as expanding their competencies and skills through rotational assignments.

Our diverse workforce includes professionals from a wide range of technical and educational backgrounds. Requirements depend on the functional area. Entry level production positions require a minimum high school diploma. Other disciplines are open to candidates with undergraduate or advanced degrees, including MBAs and PhDs. Regardless of position, our employees demonstrate the finest in teamwork, communication and technical skills.

At Novartis, Pharmaceutical Operations is about more than manufacturing, packaging or quality control. It's about building a bridge between what's possible and what's available right now to improve, extend and save lives. Come join us in Pharmaceutical Operations and move our life-saving products into the hands of the patients who need them.