AMGEN SYNTHETIC PROCESS DEVELOPMENT

PhD-level positions available: careers.amgen.com

- **Scale-Up Facilities**
  - Kilo-lab facilities at ATO and AMA
  - GMP-capable up to 100L reactors
  - Drying and milling equipment

- **Chemical Engineering**
  - Computational process modeling
  - Solubility and crystallization development tools
  - High-throughput experimentation and empirical modeling
  - Digital Integration and Predictive Technologies

- **Continuous Manufacturing**
  - Modular unit operation carts (extraction, distillation)
  - Flow photochemistry and hydrogenation
  - Unit Operation Modeling with MIT

- **Machine Learning / AI**
  - MLPDS consortium with MIT
  - ASKCOS retrosynthesis tools
  - Reagent and physical property predictive tools

- **Catalysis Laboratory**
  - Screening and high-pressure equipment
  - Extensive ligand library

- **Hybrid Chemistry**
  - Solid phase peptide and oligonucleotide synthesizers
  - Antibody-drug conjugate manufacturing

Thousand Oaks, CA

Cambridge, MA