



On Demand Pharmaceuticals, Inc.: Materials Scientist & Engineer

On Demand Pharmaceuticals (ODP) is changing the way we make and distribute medicines—by providing them to anyone, anywhere, anytime. ODP is creating innovative manufacturing platforms to enable our vision to produce critical medicines at the point of care and to secure the pharmaceuticals supply chain. As a young organization, ODP offers an exciting opportunity for passionate scientists and engineers to make a difference in the world while developing career paths for advancement. ODP is seeking a Materials Scientist & Engineer to support the development of our next generation medicine manufacturing platforms. Our manufacturing platform is comprised of modules that can chemically synthesize active pharmaceutical ingredients, purify crude products, and formulate into finished drug product. These modules are miniaturized and mobile and can be deployed anywhere in the world to strengthen pharmaceutical supply chain and enable local production of medicines. This position will be responsible for:

- Designing and prototyping new material composites that meet operational requirements for chemical compatibility, temperature, and pressure to develop the next generation of medicine making platforms.
- Processing of polymers, glass, metal, and ceramic composites that enable new approaches for formulation, fill/finish and packaging to produce FDA-approved drugs.
- Hardening of technology hardware.
- Maintaining ODP's leading edge by creating new technical platforms and capabilities.
- Delivering results in a high paced environment.

Minimum Hiring Standards:

- Bachelor's or Master's in Materials Science & Engineering.
- Experience with design tools, such as SolidWorks or AutoCAD, for the design and prototyping of composite materials.
- Experience with industrial manufacturing technologies and processes for various materials, including polymers/plastics, glass, metals, ceramics, and nanomaterials. Examples include 3D printing, injection molding, blow molding, extrusion, curing, photolithography from meso-scale to macro-scale.
- Experience with modeling and simulation tools, including FMEA.
- Strong management and interpersonal skills.
- Ability to work collaboratively with multi-disciplinary cross-functional research teams
- Strong written/oral skills required, and ability to communicate technical concepts to a non-technical audience
- Energy and passion to thrive in a start-up environment and to deliver on the mission of On Demand Pharmaceuticals.

Preferred Hiring Standards:

- Individuals with > 5 years' experience and training preferred.
- Candidates with experience in continuous processing of chemicals, materials, or pharmaceuticals.

Job location:

- Current work location is Rockville, MD.

Application materials:

Send a letter of intent and resume/CV to:

Eugene J. Choi, Ph.D.

Chief Technology Officer

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