

Pharmaceutical Development Scientist, Drug Product Design

The **Population Council** is currently seeking an innovative and ambitious pharmaceutical development scientist to join our Center for Biomedical Research located on the campus of Rockefeller University in New York City. This new position is part of a major expansion of our R & D projects in sexual and reproductive health products.

ROLE SUMMARY

The primary role responsibility is to lead a new lab that provides drug product formulation and manufacturing process design expertise in order to deliver the R & D portfolio, including hands-on support for end-to-end dosage form development activities. Responsible for preclinical and early clinical formulation and manufacturing process design of oral, topical, implantable, or injectable dosage forms for new drug candidates. May serve as Drug Product Lead on matrix R & D Project Teams and leads appropriate Drug Product Sub-Team activities.

ROLE RESPONSIBILITIES

- Design oral, topical, implantable, or injectable formulations.
- Work in partnership with cross disciplinary project team members to select compounds suitable for formulation development.
- Design, conduct and/or oversee *in vitro* experiments to evaluate drug products using principles of quality by design and understanding of drug product manufacturing processes.
- Work closely with global teams in Pharmaceutical Sciences and Pharmaceutical Global Supply organizations involved with the design of dosage forms and development of manufacturing processes of drug product.
- Provide technical guidance for regulatory submissions for products
- Propose and execute strategies to resolve quality investigations of drug products.
- Mentor other scientists
- Maintain an awareness of and contribute to current scientific literature; actively apply new concepts as appropriate.
- Lead and/or support departmental initiatives such as new technology development and continuous improvement projects.
- Participate in grant writing or other fund-raising activities.
- Represent the Population Council at scientific conferences.

REQUIRED QUALIFICATIONS

- Ph.D. with a minimum of 5 years of experience in academia or industry in pharmaceuticals, chemical engineering, chemistry, or allied disciplines. Exceptional candidates with less experience will also be considered.
- Experience in developing oral, topical, implantable, or injectable formulations; application of principles of engineering and physical chemistry in designing and characterizing formulations.

- Experience generating and interpreting experimental data; solving problems combining data with mathematical modeling of underlying phenomenon desired. Excellent organizational skills with strong attention to detail, efficiency, forward-planning, and follow-through.
- Ability to prioritize and manage multiple projects and activities while meeting tight deadlines
- Proven ability to think critically, proactive in problem-solving and able to independently manage timelines and priorities.
- Excellent interpersonal skills: demonstrated ability to effectively engage with a broad range of colleagues and partners at multiple levels, and strong written and oral communication skills.
- Self-motivated; flexible and adaptable; creative; and hard-working with demonstrated ability to work both independently and as part of multi-disciplinary teams.
- Track record of scientific innovation and publication
- Successful fundraising experience, grant writing and other fundraising experience.