



Procter&Gamble

PhD Summer Internship in Cell and Receptor Biology
May – August, 2019
Cincinnati, OH

Position Description:

The key objective of this project is to develop methods and technical models to measure the interaction of small molecules with cell receptors, specifically GPCRs and TRPs. The successful candidate will have skills in cell biology, receptor biology, organic chemistry, and biochemistry and will be pursuing a doctoral degree in Biology, Biochemistry, Bioengineering, or Biomedical Engineering with an emphasis in experimental work on receptor-ligand interactions.

The specific project deliverables include:

- Development of a receptor-based assay for quantifying small molecule/receptor interactions.
- Development and experimental validation of a mechanistic technical model for the interactions of specific small molecules with GPCRs and/or TRPs.
- Application of the experimental methodology and mechanistic model to understanding the impact of complex mixtures on competitive binding and multi-receptor interactions.

Key Priorities, Deliverables, or Outcomes of This Position:

1. Development of a receptor-based assay for quantifying small molecule/receptor interactions.
2. Development and experimental validation of a mechanistic technical model for the interactions of specific small molecules with GPCRs and/or TRPs.
3. Application of the experimental methodology and mechanistic model to understanding the impact of complex mixtures on competitive binding and multi-receptor interactions.

Skills Developed During This Internship:

1. Development of fundamental and applied skills in cell biology, receptor biology, and receptor/ligand interactions.
2. Consumer product formulation understanding and design
3. Application of technical and scientific skills in an industrial setting

Qualifications

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, protected veteran status, disability status, age, sexual orientation, gender identity and expression, marital status, citizenship, HIV/AIDS status or any other legally protected factor.

Immigration sponsorship is not available for this role. As a general matter, Procter & Gamble does not sponsor candidates for nonimmigrant visas or permanent residency. However, Procter & Gamble may make exceptions on a discretionary basis. Any exceptions would be based on the Company's specific business needs at the time and place of recruitment as well as the particular qualifications of the individual.

Procter & Gamble participates in e-verify as required by law.

Qualified individuals will not be disadvantaged based on being unemployed.

Interested applicants should apply online at www.pgcareers.com. Search opportunities for job # **RND00003864**.

Job Location: Cincinnati, Ohio
Job Type: Full-time, Internship
Job Number: RND00003864