**Requisition #: R19192**

**Position Qualifications:**

* **Education Minimum Requirement:**  Required: Currently enrolled in a graduate studies program in a Quantitative Discipline such as the following: Statistics, Mathematics, Management Science, Economics, Operations Research, Quantitative Psychology, or another similar, relevant discipline.
* Have completed at least two semesters of graduate study by May 31, 2021.
* Be returning to school in Fall, 2021.

**Required Experience and Skills:**

* Applicants should have an interest in supporting pharmaceutical product Marketing and Sales initiatives and the ability to apply and interpret basic quantitative results.

**Preferred Experience and Skills:**

* Strong background in analytics and problem solving
* “Hands on” skills with R and SAS or a comparable programming language is highly desired
* App development experience on R Shiny
* Technical knowledge and experience with Multivariate Statistical Analysis, Multiple Regression Analysis, and Optimization modeling
* Knowledge of machine learning and data mining algorithm

Position Description (Please refrain from using any Merck specific acronyms – all should be defined at least once)

Merck & Co., Inc. Kenilworth, N.J., U.S.A. known as Merck in the United States and Canada, is a global health care leader with a diversified portfolio of prescription medicines, vaccines and animal health products.  Today, we are building a new kind of healthcare company – one that is ready to help create a healthier future for all of us.

Our ability to excel depends on the integrity, knowledge, imagination, skill, diversity and teamwork of an individual like you.  To this end, we strive to create an environment of mutual respect, encouragement and teamwork.  As part of our global team, you will have the opportunity to collaborate with talented and dedicated colleagues while developing and expanding your career.

The position provides the opportunity for the Intern to develop data-driven, profit-maximizing recommendations concerning the allocation and targeting of promotional resources through the application of quantitative methods to secondary data sources. Technical and analytical skills, including R and SAS programming, are required.

Primary activities may include, but are not limited to:

* Developing promotional resource optimization tools for US Marketing teams.
* Business impact assessment for physician- and patient-directed promotional programs
* Return-on-investment analysis

The Intern will gain experience with analytical projects that have a direct impact on decisions concerning the amount, allocation and targeting of available resources. Projects may be product-specific or focused on issues spanning multiple products. At the conclusion of the term, the Intern will share results and recommended actions as a final project presentation.

This is a paid internship targeted to start in May/June 2021 for 10-12 weeks.