Who we are

At Roche, 85,000 people across 150 countries are pushing back the frontiers of healthcare. Working together, we've become one of the world's leading research-focused healthcare groups. Our success is built on innovation, curiosity and diversity.

The Position

Roche is the world leader in *in vitro* diagnostics (IVD) and tissue-based cancer diagnostics and a front runner in diabetes management. Roche Sequencing is seeking a talented Bioinformatics scientist to collaborate with experimentalists on computational analyses and to build analysis workflows that enable the approval of next-generation sequencing (NGS) IVDs to impact patients through personalized medicine.

You should enjoy working with others, using existing and novel bioinformatics methods for validating biomarkers, and have a strong desire to pursue creative solutions to challenging problems in an interdisciplinary and fast paced environment.

Responsibilities:

- Work with experimentalists to design studies that will optimize NGS procedures and bioinformatics analyses.
- Help to develop or modify bioinformatics methods to analyze NGS data, including innovative and cutting edge NGS platforms, across a range of applications.
- Rapidly prototype or adapt Bioinformatics workflows for biomarker validation and automation of analyses.
- Work proactively with stakeholders to address problems relevant to hypothesis testing and biomarker validation in a range of biological contexts with a focus on human genetics and infectious diseases.

Who you are:

As a strong candidate, you will have many of the following qualities:

- Possess an advanced degree in bioinformatics, biostatistics, computer science, or a related discipline (Ph.D. preferred).
- Enjoy working in a team environment and collaborating with other bioinformatics scientists and biologists.
- Comfortable writing code in R (including familiarity with Bioconductor packages), or other scripting languages such as Python.
- Desire to learn multiple NGS platforms including innovative, cutting edge platforms. Experience working with at least one existing NGS platform is required.
- Previous experience with large-scale NGS data analysis and usage of version control in a compute cluster environment preferred.
- Comfortable working in a *ix environment.
- Be knowledgeable in the biology or applications of personalized medicine in the areas of human genetics, immunology, or infectious diseases.
- Passionate about applying your skills in a diagnostic setting to advance personalized medicine and helping patients.