

## **Internship – Applied statistics for microbial sciences**

Danone is a leading global food company built on four business lines: Essential Dairy and Plant-Based Products, Early Life Nutrition, Waters and Advanced Medical Nutrition. R&I is at the very heart of Danone’s mission: “bringing health through food to as many people as possible”. Danone Nutricia Research combines the research and innovation of Danone, through 1500 researchers and developers all around the world, gathered in 6 research centers and 55 R&I branches

You will be part of a dynamic, international team within the Danone’s international research center in the Paris-Saclay campus (Palaiseau). One of the missions of the Health, Hydration and Nutrition Science Team is to pioneer new science to explore opportunities and global health issues linked to hydration. As an intern in applied statistics, you will play a pivotal role in supporting the analyses of metagenomic and clinical metadata in close collaboration with physiologists, bioinformatic- and data scientists.

### **Objectives of the role**

We are looking for a motivated intern in applied statistics to support us in the exploration of interrelationships between human microbiome, hydration physiology and health.

You will

1. manipulate data from internal and public data sets
2. choose and implement methods to analyze microbiome-based 16S sequencing data and clinical metadata
3. share and communicate all aspects of data analysis, tools, and methods used
4. contribute towards communication of scientific findings internally or externally

### **Targeted profile**

- Master student in Statistics, Computational Biology, Bioinformatics or related fields
  - General statistical and machine learning knowledge: parametric and non-parametric tests, linear models, adjustment for multiple testing, multivariate analyses, clustering
  - Fluency in programming and scripting languages such as R, Python.
- Experience in analytical reporting with R or Markdown and in version control of code.
- Experience working in Linux environment
  
  - Experience in analyzing microbiome-based 16S sequencing data from preclinical and clinical samples would be highly appreciated
  - Excellent teamwork, time management, and organizational skills
  - English working skills

To apply for this position, please send you resume with cover letter to [tiphaine.vanhaecke@danone.com](mailto:tiphaine.vanhaecke@danone.com) or follow this link <https://jobs.danone.com/job/Palaiseau-STAGE-Statistiques-appliqu%C3%A9es-aux-sciences-du-microbiote-HF-6mois-JanvierMars-2020/565548901/>