We are looking for an enthusiastic student for a research internship in bio-informatics!

What the project is about

With more than 11 million deaths per year, sepsis is the leading cause of death worldwide. A phenomenon known as 'sepsis-induced immunoparalysis' plays a pivotal role in sepsis mortality. Sepsis-induced immunoparalysis is a prolonged suppressed state of the immune system that prevents patients from clearing their primary infection and renders them susceptible to secondary infections. We are investigating the genomic and transcriptomic underpinnings of susceptibility towards immunoparalysis using by employing a unique human *in vivo* model for sepsis (administration of bacterial lipopolysaccharide in healthy volunteers).

What will be your role

During your internship, you will analyze and integrate GSA SNP data, bulk RNAseq data and immunological data produced in a large cohort study supervised by an experienced research team. If you are interested, you also have the opportunity to perform wet lab validation experiments. Depending on your final contribution, you will become one of the authors on a paper in an international scientific peer-reviewed journal.

Who are we looking for

- You are a master student in either Medicine/Geneeskunde, BMS/BMW, Medical Biology or a bachelor student Bio-informatica

- You have previous experience with programming and analyzing genomics data. Experience with SNP and/or RNA-seq data is a plus but not a must.

- You are proactive, eager to learn and work independently

Would you like to know more or are you interested? Send me an email with your CV at Niklas.Bruse@radboudumc.nl