**Vacancy**: Bioinformatician Biomarker Discovery

**Job** **title**: Bioinformatician

**Employer** **name**: CardioGenx, www.cardiogenx.com

**Employer** **location**: Rotterdam/Utrecht

**Employer** **description**:

CardioGenx is a start-up biotech company that focuses on the development of an innovative diagnostic blood test for chest pain patients to identify ischemia, based on a biomarker set. CardioGenx collaborates with Erasmus University Rotterdam and the MicroArray Department & Integrative Bioinformatics Unit (MAD-IBU) of the University of Amsterdam on the discovery of predictive transcriptome biomarkers for myocardial ischemia. This collaboration is based on expert microarray technology as well as bioinformatics.

**Job** **description**

Bioinformatic analysis of complex and multiple datasets based on genome wide expression profiles of specific patient populations to develop robust biomarker sets.

The bioinformatician will be responsible for the entire chain of data extraction, quality control, microarray analysis, biostatistical analysis of classifiers and biomarker validation of several on-going studies. Furthermore, s/he will support biologists by a) designing genomics experiments together with them, b) analyzing the experiment data in collaboration with the MAD-IBU, and c) interpreting the results together with the biologists. Besides the adequate application of statistical tools, one of the main activities includes the effective exploration and use of the best bioinformatics tools and methods to analyze the expression data and answer challenging biological questions.

**Tasks**

• Support life science researchers with the genomics experimental design

• Retrieve and store experimental data from local or internet sources

• Analyze microarray experiments by applying well-established or innovative analysis tools

• Interpret genomics results and explore biological relevance together with biologists

**Job** **requirements**

We are seeking for an independent bioinformatician, who has post graduate experience with complex and multiple datasets. Expertise in biological data handling, biostatistics, and bioinformatics including a track record of appropriate publications is essential. In addition, the individual has the ability to communicate technical matters to clinical, academic and non-technical staff in both speech and writing. Furthermore a practical and creative approach to statistical problem solving is required.

• MSc in bioinformatics or expertise at a comparable professional level (candidates with expertise/PhD in molecular biology or informatics who have a proven track record in bioinformatics are also invited to apply)

• Experience with R

• Strong affinity with life science research

• Good skills in applied biostatistics

• Good communicative skills

**Job benefits**

• Appointment initially for one year (full time, 32-38 h per week)

• Salary scale depending on experience

• Possibility to work in an exciting, flexible and fast-moving environment with young scientists and entrepreneurs

• Challenging opportunity to play a leading role in the design and implementation of an in vitro diagnostics device

For further information you can contact Dharminder Chahal, CEO, at
tel. +31 (0)6 – 1461 3416. If you are interested in this challenging position, we look forward to your application. You can apply by mail or preferably via email dchahal@cardiogenx.com.