



PopGenTech has one position available in bioinformatics

Population Genetics Technologies Ltd (PopGenTech) has developed *GenePooling*© technology to use "Next Generation Sequencing" (NGS) platforms to identify genetic variation in large populations, rapidly and cost-effectively: (i) in candidate genes pre-disposing individuals to disease; (ii) for the development of biomarkers for stratified clinical trials and personalised medicine; and (iii) in pathogens for infectious disease. We tag individual genomes with unique DNA sequences, pool all genomes as a single mixture, and then extract and analyse target sequences in this population. Together with clinical data, this approach allows direct hypothesis testing of candidate genes.

PopGenTech was founded by Drs Sydney Brenner, Nobel Laureate, and Sam Eletr, co-founder of Applied Biosystems, in 2005 with seed-funding from The Wellcome Trust and is located in the Babraham Research Campus, Cambridge, UK (see www.popgentech.com).

From January 2011, PopGenTech will offer a biomarker discovery service to pharmaceutical companies, CROs, clinicians and others. With the addition to existing R&D of a fully commercial revenue-generating operation, we are now adding key members to our scientific staff.

PopGenTech is looking for a talented bioinformatician to support the service operation and to collaborate with our biochemical scientists involved in R&D. The bioinformatician will also develop and maintain software (using Python/R) that designs and analyses sequencing experiments and will work closely with our existing bioinformatics scientist.

Applicants must have several years bioinformatics experience, scripting language experience and be comfortable using server side linux. Previous work in commercial/industrial product development is desirable. *Preferred experience:* R, python (or related scripting language); NGS vendor toolchains (especially Roche/454); Ensembl/UCSC; SNP & variant calling; source control (git); human genetics & population genetics. *Useful Experience:* other imperative or functional languages (c, c++, etc.); primer design, Linux sysadmin and cloud (EC2) computing; OSX; SAMtools/SAM format; SQL/noSQL databases; commercial operations.

We welcome applications, by 10 December 2010, from exceptional individuals capable of appreciating the advantages of being present at the creation of new, revolutionary technologies and who understand the dedication that this requires. New employees will be eligible for a benefits programme that includes equity participation and company contributions to a stakeholder pension. Please send CV plus names of 3 referees to Population Genetics Technologies, Ltd., Attn. Professor Conrad Lichtenstein, Babraham Research Campus, Cambridge, CB22 3AT; or by e-mail to conrad.lichtenstein@popgentech.com ; informal enquiries about the role should be sent to james.casbon@popgentech.com.