The Marth laboratory is recruiting two postdoctoral fellows in Computational Genetics. One opening is for a scientist to lead the development of a comprehensive computer software package for the discovery and analysis of DNA sequence variations, including a substantial functional expansion of the PolyBayes SNP discovery program. The other opening is for a scientist to lead one of the following projects: (i) software integration and analysis of genomic and epigenetic data collected in cancer cells (e.g. somatic mutations, changes in genome copy number, gene expression, DNA methylation, and chromatin structure); (ii) development of population genetic methods for marker selection in clinical association studies; and (iii) computational methods to connect pharmaco-genetic phenotypes (e.g. adverse drug reactions) to genotype and haplotype data. More information about these projects and our laboratory can be found at the following URL: [http://bioinformatics.bc.edu/marthlab](http://bioinformatics.bc.edu/marthlab).

A doctorate in science or engineering (e.g. Biology, Physics, Mathematics, Statistics, Computer Science, or Electrical Engineering) is expected. The first position will focus on genomic data mining software and requires basic familiarity with genome data collection technologies. The second position requires knowledge in Genomics, Evolutionary/Population Genetics, and/or Statistical/Medical Genetics, as appropriate for the specific project. Both positions require strong computing and programming skills. Successful candidates will be joining researchers in a growing, vigorous Computational Biology program housed in a recently constructed research building on the Boston College Campus (for more information about this program and graduate studies in Bioinformatics/Computational Biology see: [http://bioinformatics.bc.edu](http://bioinformatics.bc.edu)). We offer competitive salaries for qualified applicants. The positions are for an initial term of one year and can be extended for up to three years.

Applicants should submit their *curriculum vitae*, description of research interests, and contact information for three referees. Positions are available immediately. Applications will be accepted until the positions are filled. Materials should be sent to Prof. Gabor Marth at marth@bc.edu.