

## ***GenomeQuest: Using Biological Sequences in Intellectual Property Searches***

Biological sequence information plays an important role in the intellectual property strategies of many companies and research institutions. Searching through and working with sequence information, however, is not trivial. Data sources are scattered and incomplete; search algorithms are difficult to use and unpredictable; result analysis is time-consuming and error prone.

We will discuss examples of the methods companies can use to overcome the obstacles associated with searching sequences through the use of a best practices approach. We have implemented this best practice approach inside of our GenomeQuest solution. With GenomeQuest we provide easy access to all relevant sequence databases. We make use of a single, user-friendly, web interface based on search strategies rather than algorithms, thereby enabling the user to quickly create reports with only relevant results. Here we will outline and demonstrate how you can get answers to questions like: "Which genes in the patent literature are like my genes?" and "Which drugs are on the market for this target?"

### ***Presenter: Hendrik Heus***

Dr. Heus is a molecular biologist with a Ph.D. in human genetics. He directs the GenomeQuest services at Gene-IT and has been with the company since January 2001. He previously held a research position with NV Organon/Akzo Nobel in the Netherlands. Dr. Heus uniquely combines business, molecular biology and software development skills. The principal architect of the GenomeQuest application, Dr. Heus now leads the company's Services initiative to facilitate the large scale deployment of GenomeQuest to enterprise customers. His extensive genomics-based drug discovery and research experience enables Gene-IT to continuously anticipate and respond to the needs of both