



NEWS RELEASE

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FOR IMMEDIATE RELEASE

Pacific Biosciences Launches Software Developer's Network

Boston, Mass. – July 9, 2010 – As part of its commitment to introducing third generation DNA sequencing technology to the market, Pacific Biosciences today announced the launch of a software developer's network – the PacBio DevNet – at the Eighteenth International Conference on Intelligent Systems for Molecular Biology (ISMB 2010).

Throughout the development of the company's Single Molecule Real Time (SMRT™) technology platform, Pacific Biosciences has been working closely with members of the informatics community to develop and define standards for working with single molecule sequence data. Now, as the company prepares for the commercial launch of the PacBio RS, it is launching a more formal program to support the needs of the informatics community.

The PacBio DevNet was created to support the ecosystem of academic informatics developers, life scientists, and independent software vendors interested in creating tools to work with PacBio's third generation sequencing data. Interested parties can sign up for the PacBio DevNet at www.pacbiodevnet.com, a hub for data sets, source code for algorithms, application programming interfaces (APIs), conversion tools to industry standard formats, and documentation related to SMRT sequencing.

Eric Schadt, Ph.D., Chief Scientific Officer for Pacific Biosciences commented: "Single Molecule Real Time sequencing introduces entirely new dimensions to data, such as a time component, that are unlike anything the bioinformatics community has encountered to this point. Therefore, in addition to a strong internal focus on informatics development, we are committed to supporting third-party software development and facilitating the rapid adoption of this new data type into the scientific community where the really exciting 'big science' can begin to happen."

At the ISMB conference, PacBio scientists and collaborators will present results from some of their informatics development efforts to date, including new algorithms tailored to the unique

characteristics of the SMRT data such as its long reads. Pacific Biosciences has also developed a suite of data management and analysis software tools that mimic the granularity, scalability and functionality of the PacBio RS. These informatics solutions are designed to efficiently integrate with the user's LIMS system, making them accessible not only to high-end informatics researchers, but also to biologists and clinical researchers.

"The release of PacBio's tools under an open source license and the launch of its Developer's Network will foster the creation of tools that maximize the value of SMRT sequencing," said Reece Hart, Chief Scientist, Genome Commons. "We look forward to contributing to a robust analytical ecosystem that allows more scientists to exploit the new possibilities enabled by this technology."

For more information visit www.pacificbiosciences.com

About Pacific Biosciences

Pacific Biosciences' mission is to transform the way humankind acquires, processes and interprets data from living systems. The company has developed a disruptive technology platform for the real-time detection of biological events at single molecule resolution. Single Molecule Real Time (SMRT™) Biology is designed to revolutionize life sciences by revealing the underlying networks that define living systems. The first application for the SMRT Biology platform is a paradigm changing approach to DNA sequencing. The SMRT Sequencing System should ultimately make it possible to sequence individual genomes as part of routine medical care. DNA sequencing is expected to be the first of many transformative SMRT Biology applications that will benefit society by driving radical advances in fields such as personalized medicine, agriculture, clean energy, and global health.

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