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An ABC (Accelerated Bio Computation), using the FPGA based massively parallel architecture RIVYERA.

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Abstract

Today's biology is dominated by 3 key sections: Aggregation, Analysis and Verification. RIVYERA, a massively reconfigurable parallel computer architecture and it' API are introduced. RIVYERA moves data processing from computing centers to laboratories. Therefore data processing becomes more personal. Sensitive data is handled securely by RIVYERA.