

# **Systems Architects and ASIC Engineers**

## **Specialized Supercomputer for Computational Drug Design**

Extraordinarily gifted systems architects and ASIC design and verification engineers are sought to join the Bangalore office of a rapidly growing research group pursuing the development of a special-purpose supercomputer designed to fundamentally transform the process of drug discovery within the pharmaceutical industry. This early-stage, rapidly growing project is being financed by the D. E. Shaw group, an investment and technology development firm with approximately \$11 billion in aggregate capital. The project was initiated by the firm's founder, Dr. David E. Shaw, and operates under his direct scientific leadership.

This project aims to combine an innovative, massively parallel architecture incorporating 90-nanometer 'system on a chip' ASICs with novel mathematical techniques and ground-breaking algorithmic advances in computational biochemistry to direct unprecedented computational power toward the solution of key scientific and technical problems in the field of molecular design. Successful candidates will be working closely with a number of the world's leading computational chemists and biologists, and will have the opportunity not only to participate in an exciting entrepreneurial venture with considerable economic potential, but also to make fundamental contributions within the fields of biology, chemistry, and medicine.

The candidates we seek will be unusually intelligent and accomplished, with a demonstrated ability to design and implement complex, high-performance hardware solutions based on the latest semi-custom technologies. We are prepared to reward exceptionally well-qualified individuals with above-market compensation. Please send your CV (including list of publications, thesis topic, and advisor, if applicable) to [cs-hwin@desrad.deshaw.com].

The D. E. Shaw group members do not discriminate, in employment matters, on the basis of race, color, religion, gender, national origin, age, military service eligibility, veteran status, sexual orientation, marital status, disability, or any other protected class.

The logo for DE Shaw & Co features the company name in a large, bold, serif font. Above the text, there are horizontal lines that extend from the left and right sides, meeting at a point above the ampersand, resembling a stylized roofline or a bridge structure.

**DE Shaw & Co**