

Awards and Achievements

- Scientific Computing's Bioinformatics Readers' Choice award-for GeneSpring®
- World Economic Forum "Technology Pioneer 2007"
- Annual Global sales of over 2000 licenses of Strand product-line
- "Entrepreneur of the year Award 2007" - INDIA Bio Spectrum Awards
- NASSCOM "IT Innovator 2006"
- Red Herring "Asia 100 Company 2005"
- Frost & Sullivan "Excellence in Technology Award 2005" for AVADIS®



Algorithms for Life



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Strand Life Sciences : An overview

Pioneers In Discovery
Research Informatics





Strand Life Sciences

Strand Life Sciences – Pioneers in Discovery Research Informatics, is an innovative life science informatics company. Strand has developed pioneering software technologies with applications in pharmaceutical drug discovery. Over the years Strand has built strong competencies and intellectual property in the areas of omics-based technologies, bioinformatics, cheminformatics,

predictive modeling, workflow and knowledge management.

With a deep understanding of the life sciences industry, commitment to innovation, access to current and emerging technologies, mature development processes, global resources and a proven track record, Strand provides discovery informatics solutions and services and help its customers achieve their objectives.

CUSTOMERS include :

Eli Lilly | Johnson & Johnson | Pfizer | Abbott | Wyeth | Monsanto
Agilent | Procter & Gamble | Gilead Sciences | Bayer | US FDA

Strand is the **R&D partner for Agilent's GeneSpring®** suite of products.

Expertise

As a part of its endeavor to provide best-of-breed solution and to meet the needs of an ever expanding R&D community, Strand has established structured and focused competency centers – Centers of Excellence (CoE).

- **Cheminformatics Center of Excellence**

- **Bioinformatics Center of Excellence**
- **Research Informatics Center of Excellence.**

These CoE's provide both customers and in-house teams with technology directions and cutting edge solutions.

Technologies

Strand's technologies for research biology and drug discovery available for consulting, licensing and custom development are:

- **Data mining & Visualization**
- **Text Mining**
- **QSAR Predictive Modeling**
- **Image Analysis**
- **Systems Biology Modeling**

Several of Strand's products are built on the award-winning platform, AVADIS®. AVADIS® is Strand's proprietary data access, visualization, analysis and discovery technology platform. It combines high-end visualization including dynamically linked views and rich interactivity with powerful analysis tools, statistical tests, and machine learning based predictive modeling.

All of the above has gone into the development of Strand's products and solutions for chemistry and biology.

Strand Virtual Lab™

Strand Virtual Lab (SVL) is a customized solution which allows pharma and biotech companies across the globe to increase high-end computational research capacity at fraction of the cost. With a global on-site/off-shore model, SVL helps customers to tap skills and manage costs, across discovery functions through flexible R&D informatics team, serving as an extension of their own R&D labs.

Products

GeneSpring®



A cutting-edge analysis tool for gene expression, genotyping, exon and tiling microarrays. It has a database of over 1.5 million biological interactions extracted by the powerful Natural Language Processing (NLP)-based text mining engine developed by Strand. This product is developed on Strand's AVADIS® platform, and is marketed worldwide by Agilent Technologies.

Sarchitect



A comprehensive in silico platform for QSAR modeling and prediction of drug-like properties of molecules. It supports custom model building through intuitive workflows and has a real-time "edit & predict" (patent pending) feature that allows structure editing and predictions on-the-fly.

BioLego



A systems modeling software for simulating biological systems dynamically. With BioLego, users can build their own model, access, modify and customize Strand models. BioLego allows to carry out multiple tasks using its user friendly features.

WebChemistry



Strand's proprietary web-based analysis and reporting tool to explore compounds, their structures and properties. WebChemistry enables medicinal chemists, DMPK Scientists and informatics professionals to carry out HTS, lead generation and lead optimization activities more efficiently.

Value Propositions

History of excellence

Strand is a world leader in life science research informatics, offering innovative, flexible, and cost-effective technologies and solutions to companies across the globe.

Five of the top ten pharmaceutical companies, three of the top six biotechnology companies, and numerous academic institutions across the globe, are part of Strand's customer profile, who trust Strand for delivering solutions to complex problems in life sciences research.

Domain expertise and superior technology

Strand has industry and academic experts in computational chemistry, systems biology, cheminformatics, bioinformatics, and software engineering. Strand's core technologies have undergone over 400 man years of development by incorporating user-driven improvements, resulting in high-functioning and acclaimed performance in industry.