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**NUMIRA BIOSCIENCES AND THE UNIVERSITY OF UTAH'S SCIENTIFIC COMPUTING AND IMAGING INSTITUTE ANNOUNCE NIH GRANT AWARD FOR THE DEVELOPMENT OF SEVERAL ADVANCED IMAGE ANALYSIS SOFTWARE TOOLS**

SALT LAKE CITY, Utah, October 21, 2009 -- Numira Biosciences, a specialty contract research organization and leader in high-resolution, 3D visualization and analysis services for the life sciences market, and the University of Utah's Scientific Computing and Imaging Institute (SCI), a world-renowned research leader in the areas of scientific computing, visualization, and image analysis, today jointly announced receipt of a one year, \$0.6 million grant from the National Institutes of Health (NIH) for the development of several advanced image analysis software tools. The grant has the potential to reach \$1.3 million over two years. Approximately \$0.5M of the initial award will support Numira's portion of the development effort during year one and the remaining \$0.1 million will fund SCI's portion of the project. If the second year is awarded, Numira and SCI would receive approximately, \$1.1M and \$0.2M, respectively, over the two year period.

The grant will support the development of three critically important image analysis tools: data provenance; image shape statistics; and geometric meshing. Data provenance relates to the process of capturing a detailed history of transformations applied to imaging datasets that ensures reproducibility of study results. Image shape statistics relates to methods that accelerate the interpretation of imaging datasets. Geometric meshing will enable simulations to be performed on imaging datasets for many different parameters such as stress/strain, drug efficacy, and blood flow.

“We are very excited about the opportunity to develop these much needed software tools for the imaging and research communities”, said Michael Beeuwsaert, President and CEO of Numira. The project started in October 2009 and should be completed within two years. “Since our 2007 acquisition of their spin-out company, Visual Influence Inc., we’ve established a strong collaborative relationship with SCI and we look forward to working with them on this project.”

### **About Numira**

Numira is a specialty contract research organization with several high-resolution, 3D visualization and analysis services for the life sciences market. Its core imaging service, Virtual Histology, is an imaging technology that combines high-resolution computed tomography (microCT) with proprietary stains and high-performance software to provide quantitative, interactive datasets, in both 2D and 3D. Numira has established a new standard in soft tissue imaging with a broad range of applications in such areas as osteoarthritis, atherosclerosis, heart defects, lung fibrosis, angiogenesis, and developmental defects. For more information on Numira Biosciences, please visit [www.numirabio.com](http://www.numirabio.com).

### **About SCI**

The Scientific Computing and Imaging (SCI) Institute is a permanent research institute at the University of Utah. Directed by Professor Chris Johnson, the Institute is now home to over 160 faculty, students, and staff. The faculty, drawn primarily from the School of Computing, Department of Bioengineering, and Department of Electrical and Computer Engineering, is noted for its breadth of collaborations both nationally and internationally.

The SCI Institute has established itself as an internationally recognized leader in visualization, scientific computing, and image analysis. The overarching research objective at SCI is to create new scientific computing techniques, tools, and systems that enable solutions to problems affecting various aspects of human life. A core focus of the Institute has been biomedicine, but

SCI Institute researchers also solve challenging computational and imaging problems in such disciplines as geophysics, combustion, molecular dynamics, fluid dynamics, and atmospheric dispersion. For more information on SCI, please visit [www.sci.utah.edu](http://www.sci.utah.edu).