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**NUMIRA'S BONE IMAGING APPLICATION HIGHLIGHTED BY  
THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO IN *BONE*, THE JOURNAL  
OF THE INTERNATIONAL BONE AND MINERAL SOCIETY**

***Bone Publication Demonstrates Ability to Measure Changes in Tooth Structure Using Numira's  
Virtual Histology™ Imaging Technology***

SALT LAKE CITY, Utah, May 17, 2010 –Numira Biosciences, a specialty contract research organization and leader in high resolution, 3D imaging services and visualization software for the life science market, is proud to announce that it's Virtual Histology™ technology was recently highlighted in the *Bone* journal. The publication discusses the use of Numira's quantitative imaging technology as a tool to access tooth structure formation using a knockout BMP4 mouse model.

With the combination of MicroCT, proprietary contrast agents and cutting edge software tools, Numira has developed an innovative, nondestructive way to image small animal models. Using this technology, our clients are able to visualize and quantify structural tissue changes in both bone and soft tissue.

The paper, titled “New Roles and Mechanism of Action of BMP4 in Postnatal Tooth Cytodifferentiation,” is currently in press and available on line. Using client parameters, volumetric aspects of various tooth structures were obtained via segmentation. The data clearly demonstrated the ability of Numira’s technology to detect and quantify changes within the tooth such as total crown volume, total root volume, dentin volume in the crown, pulp volume in the crown and dentin volume in the root.

### **About Numira Biosciences**

Numira is a specialty contract research organization (CRO) that provides powerful imaging solutions for researchers attempting to answer questions related to the onset and progression of disease, drug efficacy, and drug safety in animal models. Through the combination of proprietary stains, high performance visualization software, and MicroCT scanners, we offer a dramatic change in how data is captured, visualized, and analyzed.

For more information on Numira Biosciences, please visit [www.numirabio.com](http://www.numirabio.com)

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