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CONTACT PERSON
Jay N. Sasserath, Ph.D.
Chief Executive Officer
Intelligent Micro Patterning
St. Petersburg, Florida
E-mail: jays@intelligentmp.com
T: (727) 522-0334, F: (727) 522-3896
www.intelligentmp.com

Intelligent Micro Patterning Provides Microfabrication Line to the University North Carolina School of Medicine

Intelligent Micro Patterning, LLC, St. Petersburg, Florida, announced the shipment of a complete microfabrication line to the University of North Carolina School of Medicine. The equipment is funded by a grant from the North Carolina Biotechnology Center to Dr. Jian Wang. The company has provided the equipment and expertise required to establish a microfluidics fabrication line at the medical school. Deposition, etch, and photolithography equipment are included with the microfabrication line. The heart of this processing line will be Intelligent Micro Patterning's flagship product, the SF-100 Maskless Exposure System. The SF-100 is a unique, maskless photolithography system that utilizes patented Smart Filter technology, licensed by Intelligent Micro Patterning, LLC from the University of South Florida. Smart Filter technology incorporates proprietary, cutting-edge, micro-optical techniques to rapidly project master images directly onto diverse substrate materials, such as quartz, ceramics, and plastics, without the use of photomasks. The main application that the fabrication line will be used for at the University of North Carolina School of Medicine is the rapid prototyping and fabrication of microscale devices for cellular manipulation and bioartificial pancreas development.

Dr. Jay Sasserath, the Company's Chief Executive Officer, stated, "We are very excited about this installation, since the fabrication line will be used in many areas of leading edge biomedical research. By providing the University of North Carolina School of Medicine with complete micro patterning, etching, and deposition capabilities, the researchers in the University of North Carolina will be able to test and fabricate many different microfluidics and other biomedical devices rapidly and at low cost."

Dr. Jian Wang, Research Assistant Professor of Surgery and the Director of Transplantation and Stem Cell Laboratories for the University of North Carolina's Medical School, added, "Recently microfabrication technology has become a powerful tool in tissue engineering, genomics, regenerative medicine, and drug development. We are looking forward to developing and using our biomedical microfabrication line up. With the extensive support that Intelligent Micro Patterning has provided us in the past and will provide us with in the future, we expect to be using this equipment for developing cell-based biochips in the very near term. Additionally, due to the inherent flexibility of the SF-100 and the integrated etching and deposition processes, we will use this equipment to support many areas of biomedical research in the state of North Carolina."

For More Information, see the Intelligent Micro Patterning Website at www.intelligentmp.com