UT Dallas Venture Development Center – resident companies

Medical NanoTechnologies Inc. - Developing nanoparticle-based therapies and drug delivery systems to enable precise, on-demand patient care in oncology. Primary product lines are non-invasive, localized hyperthermic therapies for cancer patients with solid tumors; core platform is based on functionalized nanostructures, such as carbon nanotubes and graphene oxide nanoparticles, which can be delivered to the tumor and irradiated by an external field such as near-infrared (NIR) light. The result is a cancer-targeting approach which lowers the typical amount of drug required for treatment and eradicates the tumor while minimizing damage to normal cells.

Interoperate.biz, Inc. - Interoperate uses advanced methodology developed at the University of Texas at Dallas to translate legacy and obsolete software to its modern version. Interoperate's methodology makes migration of legacy code near-100% automatic. Other translation techniques take longer and have less automation, resulting in lower accuracy, longer time, higher cost and more manual effort. With Interoperate's semantic translation technique, migration projects can be completed in a fraction of the time with very accurate results and much lower cost. Interoperate has employed its semantic translation technology to build migration solutions for the GUI-testing domain. Interoperate's WR2QTP tool converts legacy WinRunner scripts to QTP scripts and has been used by many large companies, including Siemens Medical and GE Transportation, to migrate hundreds of thousands of lines of code in a very short time. Interoperate guarantees 100% success in migration projects.

Solarno, Inc. - Solarno's novel solar cells harness the power of the full solar spectrum, in contrast to existing technology, offering weight, cost, and efficiency benefits.

BluMango - Software for improving the consumer dining experience at causal restaurants. BluMango's app integrates consumer preferences along with ratings from other users and current restaurant wait time information to optimize restaurant selection and ordering of food. Blue Mango is an undergraduate student presentation from the 2011 UT Dallas Business Idea Competition.

Brain Brush Research - Very large scale non-invasive brain monitoring systems based on functional near infra-red spectroscopy (NIRS), offering significant improvement over existing EEG and fNIRS technology.

EncephRX, Inc. - Developing a first-in-class small molecule platform for treatment of neurodegenerative diseases such as Huntington's, Parkinson's, and Alzheimer's diseases.

Diagtronix - Diagtronix creates, develops, and manufactures semiconductor-based biosensor products and systems having significantly increased sensitivity and real-time processing capability, at greatly reduced cost, compared to existing methods and instruments. Diagtronix's platform technology will enable many new medical applications that can be implemented on portable hosts such as smart phones, to be used anywhere, any time. In addition, potential applications include monitoring and testing for bioterror agents, food-borne disease agents, pesticide levels in food, and related applications.

Cirasys, Inc. - Intelligent digital power control technology offering critical improvements for the power electronics industry.

Syzygy Memory Plastics - Designs and manufactures custom plastic products, deformable electronics anddynamic components to enable ergonomic devices, flexible sensing systems, and neural biotechnologies. The company focuses broadly on industries where in the past, cost barriers and obstacles toward production have prohibited devices made of smart plastics often coupled with electronic components from becoming reasonable solutions to advanced materials problems.

Speetra - World's first online automatic speech and language proficiency assessment tools (reference www.goambition.com). Open design and next generation multimedia capabilities allow corporations to customize for a variety of applications, including sales training.

MicroTransponder, Inc.- MicroTransponder is developing two neurostimulation platforms to treat several neurological disorders. One is an implanted wired neurostimulator that stimulates the vagus nerve for the treatment of tinnitus and post stroke motor rehabilitation. The second is the SAINT™ System, a wireless neurostimulation device for the treatment of urinary incontinence and chronic pain. Both neurostimulation platforms will be utilized in clinical trials to treat the various disorders.