ANNEX B – TAKE-OFF! WITH LAUNCHPAD 2012 PRESENTERS

**EasyArray**
EasyArray offers a proprietary microarray platform for protein research at pharma companies and research labs. It eliminates error-prone results, long turnaround time, and large sample volumes in protein characterization. EasyArray offers up to 100X higher signal-to-noise ratio than existing techniques, providing exceptional sensitivity and accuracy as a result. Researchers will benefit from the timesavings and high throughput provided by EasyArray's technology.

**CentoFlow**
CentoFlow provides a one-stop solution for tertiary oily water filtration to the waste management, petroleum and engineering industries. Highly emulsified oil particles and dissolved oil in contaminated water are costly and difficult to remove to meet increasingly stringent regulations by existing conventional methods. Our membrane combines the art of ceramic and nanotechnology to effectively reduce oil concentration from 300ppm to 0ppm. Providing harsh-free process integration, simple operation and easy regenerability, CentoFlow substantially enhances space efficiency and maximizes profit margin, while ensuring a brighter tomorrow.

**EnerCap**
EnerCap supplies the world's first energy storage membrane made out of organic materials, enabling the production of scalable high performance capacitors that are physically flexible, light and thin. The capacitor made from the membrane, can have voltage ratings of up to 600VDC, is able to charge in mere seconds, operates at temperatures from -40 °C to 100 °C, and can withstand surges up to 200% above the voltage ratings. The technology can be used in wide range of applications specially those that require quick charge energy storage.

**FlexNano**
FlexNano provides conductive transparent ink coating solutions to Transparent Conductive Oxide thin film manufacturers that serve the emerging, rapidly growing touch screen and solar panel industries. Current thin film has inherent limitations because it cracks upon bending. Our coating solutions offer superior flexibility and uniformity that conform to transmittance and resistance industry standards. Our technology improves productivity and generates huge cost savings for our customers.

**Gene & Health**
Gene & Health offers the next generation drug response prediction system that can revolutionize the pharmaceutical drug development industry. The system applies over forty sophisticated algorithms leveraging the latest genomic information to develop drug toxicity and efficacy predictions and then uses clinical patient data to validate the predictions. Using our system pharmaceutical companies can reduce the current high cost of clinical studies. In addition, our system enables medical practitioners to prescribe targeted drugs to patients so as to prevent any adverse drug reactions based on the genetic information of the patient.
InnoMem
InnoMem provides hollow fiber nanofiltration membranes to the textile industry. Our revolutionary nanofiltration membrane has unique double repulsive properties that reject various types of contaminants. It offers > 99% dye removal efficiency that is twice the efficiency of conventional technologies. InnoMem guarantees the safe discharge requirement and is the ultimate solution for the textile industry’s wastewater treatment.

DOT Medical
DOT Medical provides a revolutionary optical mammography solution, DOT Scan, to cancer diagnostic centers. DOT Scan completely eliminates physical discomfort normally associated with mammography systems. Due to its non-ionizing nature, DOT Scan is the only mammography device that could be used repeatedly without any health hazards. Compared to existing technologies, DOT Scan has 90% accuracy enabling precise diagnosis. It is an easy to use, extremely portable solution with real time monitoring capability. Through richer structural and functional information it helps doctors make life saving decisions in real time.

Digital Surgicals
Digital Surgicals provides the next generation surgical microscopes to surgeons, clinics and hospitals around the world. Complex operations can last for hours. Surgeons suffer excessive visual and muscular fatigue, even dizziness, when using existing surgical microscopes. Our wide view microscope based on patent pending technology offers flexibility, integrated real time operational data thus increasing alertness, effectiveness and reducing liability risks.