

Join us Thursday, April 26, 2007

2007 New Business Opportunities for Science



Commercializing Science and High Technology is a multidisciplinary course at Harvard Business School, comprised of students from the schools of Business, Medicine, Arts and Sciences, Engineering, Law, Government and Public Health.

Student teams from this class will present development plans for early stage science and technology projects based upon innovation from university laboratories, affiliated hospitals, and some local businesses.

The event will be held at the Harvard Business School's Williams Room in Spangler Hall from 4 - 5:30 PM.

E-mail: csht@hbs.edu

Website: www.hbs.edu/units/tom/conferences/csht2007.html

Biotechnology

D. Fisher: "Complete Epigenetics Solution" – A novel technology to determine nucleosome locations in cell and tissue samples for development of novel pharmaceuticals and diagnostics.

C. Mitsiades: "High-Throughput Mixed-Culture Screen" A novel pre-clinical screening tool for analyzing tumor sensitivity to drugs in mixed cell cultures.

D. Mooney: "Controlled Cell Delivery" – Extracellular matrices to recruit, maintain and deliver cell therapies: tissue regeneration/repair to anti-cancer therapy.

G. Verdine: "RIPTides" – Novel oligonucleotide-based therapeutics targeting assembly of telomerase and other medically relevant biological targets.

Vertex Pharmaceuticals Inc.: "Hepatitis C Management" – Changing the patient management paradigm for transformational Hepatitis C virus treatments.

Clean Technology

M. Aziz: "Carbon Neutral Power" – Technology that captures and stores carbon dioxide as solid crystals making traditional power plants climate friendly.

P. Girguis: "Microbial Fuel Cell" – Renewable, zero-pollution, and low cost and maintenance power sources for off-grid applications.

Information Technology

Icosystem Corp.: "The Hunch Engine Platform" – A licensable genetic algorithm for human creativity.

D. Parkes: "Cryptographic Securities Exchange" – Improved method for trading financial instruments that selectively conceals vulnerable trade information.

C. Kennedy: "Drug Discovery - Imaging & Informatics" – Two novel software programs for the automated analysis of neuronal morphologies to enable medical researchers to improve drug discovery.

Medical Device

C. Cutie: "Self-dilating Urethral Catheter" – Balloon-dilating catheter that patients can inflate to treat urethral strictures at home.

G. Gardner: "Pericardial Device" – Pericardial support device for advanced heart failure.

C. Marcus: "Molecular Imaging for MRI" – Using hyperpolarized silicon for molecular imaging.

K. Parker: "Molecular Scalpel" – Reusable test to provide real-time diagnoses and guide medical treatment decisions with molecular precision.

M. Su: "Luminescence-based, Multi-metabolite Monitor" – Point of care device to optimize effective disease management.

A. Tavakkolizadeh: "Transluminal Surgery" – An alternative to laparoscopic surgery using novel technique and innovative medical devices for scarless access to the abdomen.

G. Whitesides: "Patterned Paper Diagnostics" – Low-cost point-of-care analysis of biological fluids: outpatient clinics to less-industrialized regions.

G. Whitesides: "Spectrally Tunable Laser" – Microfluidics technology that broadens the scope of laser-based clinical treatments using wavelength tunable light.

G. Whitesides: "Protein Sensing" – A novel separation technique for proteomic analysis and identification of biomarkers for disease.

