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## 2010 Collegiate Inventors Competition Finalists

### *Graduate Finalists*



Alice Chen

Harvard University / MIT

**Humanized Mouse via Tissue-Engineered Liver Mimetics for Drug Development**

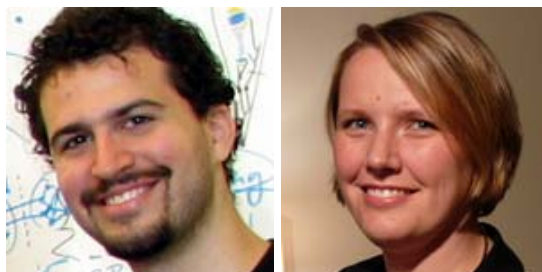
Advisor: Sangeeta Bhatia

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United States Patent and  
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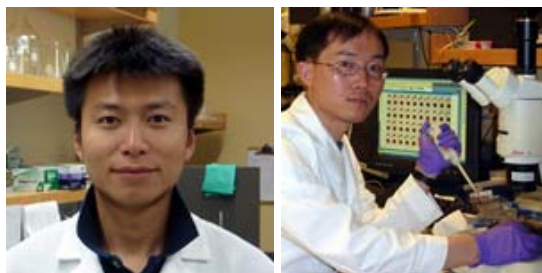
Erez Lieberman-Aiden and Nynke L. van Berkum

Harvard/MIT

University of Massachusetts Medical School

**Hi-C: Method for Genome Sequencing in Three Dimensions**

Advisors: Eric Lander, Job Dekker



Feng Shen and Wenbin Du

University of Chicago

**High Throughput Multiplex Nanoliter PCR on a SlipChip**

Advisor: Rustem Ismagilov

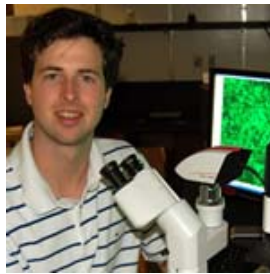


Bozhi Tian and Tzahi Cohen-Karni

Harvard University

**Three Dimensional, Flexible Nanoscale Field Effect Transistors as Intracellular Probes**

Advisor: Charles Lieber



Thomas Vierbuchen

Stanford University

**A Method for Reprogramming Skin Cells into Functional Neuron-Like Cells**

Advisor: Marius Wernig

*Undergraduate Finalists*

Devon Anderson, Jonathan Guerrette, and Nathan Niparko

Dartmouth College

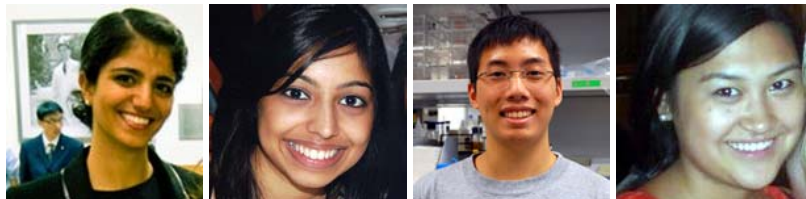
**Absorbent, Bioresorbable Surgical Sponge**

Advisor: Douglas Van Citters



Michael Harm, Gregory Capece, and Nicholas Rocha  
Lehigh University  
**MPlug**  
Advisor: Pasquale Costa

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Leyla Isik, Salina Khushal, Michael Shen, and Emilie Yeh  
Johns Hopkins University  
**Intelligent Surgical Drill for Improved Orthopedic Surgery**  
Advisor: Robert Allen

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Mark Jensen  
Brigham Young University  
**Continuous Fabrication of Composite Lattice Pole Structures**  
Advisor: David Jensen

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Jacob Murray, Paul Wettin, Carla Heathman,  
and Jeffrey Sweeney

Washington State University  
**USB Data Transfer and Storage Device**  
Advisor: Denny Davis

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