



Last Resort Clinic (LaRC) Working Group

Session 1: March 11, 2015

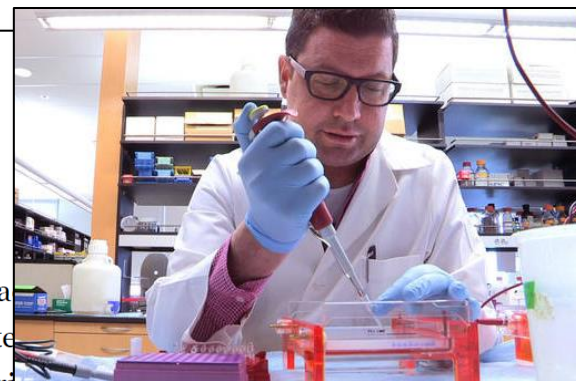
Great Progress In Biomedical R&D:

July 7, 2012

In Gene Sequencing Treatment for Leukemia, Glimpses of the Future

By GINA KOLATA

ST. LOUIS — Genetics researchers at Washington University, one of the world’s leading work on the human genome, were devastated. Dr. Lukas Wartman, a young, talented colleague, had the very cancer he had devoted his career to studying. He was deteriorating fast. No known treatment could save him. And no one, to their knowledge, had ever investigated the complete genetic makeup of a cancer like his.



- 2012: Dr. Lukas Wartman, Wash U. “cured” of acute lymphoblastic leukemia via RNA analysis
 - FLT3 gene overexpressed; using drug-gene interaction database, identified Sutent

This Is Not Unique!

- 2012: David Aponte “cured” of same type of leukemia using immunotherapy (T-cells targeting CD19)

The New York Times

March 20, 2013

Cell Therapy Shows Promise for Type of Leukemia

By DENISE GRADY

A treatment that genetically alters a patient’s own immune cells to fight time, produced remissions in adults with an acute leukemia that is usually reporting.



We Have The Capabilities, Not The Institutions

- Can we build a clinic that treats patients one at a time?
- Can we learn from one patient to help many others?
- Can we mobilize a network of scientists/clinicians?
- Can we use the private sector to do this at scale?
- Can we change how medicine is practiced?
- Can we do all this ethically and sustainably?

 **Last Resort Clinic Working Group**

LaRC “Faculty”

- Karim Lakhani, PhD, HBS
- Andrew Lo, PhD, MIT
- Tom Rutledge, MBA, Magnetar Capital
- Vikas Sukhatme, MD, PhD, BIDMC
- Vidula Sukhatme, MS, GlobalCures
- Marty Tenenbaum, PhD, CancerCommons
- All of you!

- Chatham House Rule

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- No videotaping, audio recording, tweeting, or photography
- No quoting or other publicity
- No members of the press
- No restrictions on intellectual property
- Direct, honest, polite exchange of ideas

- Five broad topics, multiple teams
- Work independently but coordinate with each other
- Deliverables: 4-6 powerpoint slides, 1,000-word write-up for the business plan
- Timeframe: May 1 for dry run, May 14 for final presentation
- Objective: post business plan and deck for all parties to use as they see fit

Critical Issues For Establishing The Clinic

- Science/medicine/technology
- Operations and business models
- Branding, advertising, and financing
- Legal, regulatory, insurance issues
- Ecosystem issues

Define Teams Within and Across Topics

Thank You!