# Open Collaborative Research: Intel's Lablets

Andrew A. Chien

Vice President of Research

June 27, 2006

# Intel Research

*Driving off-roadmap, high-impact exploratory research*
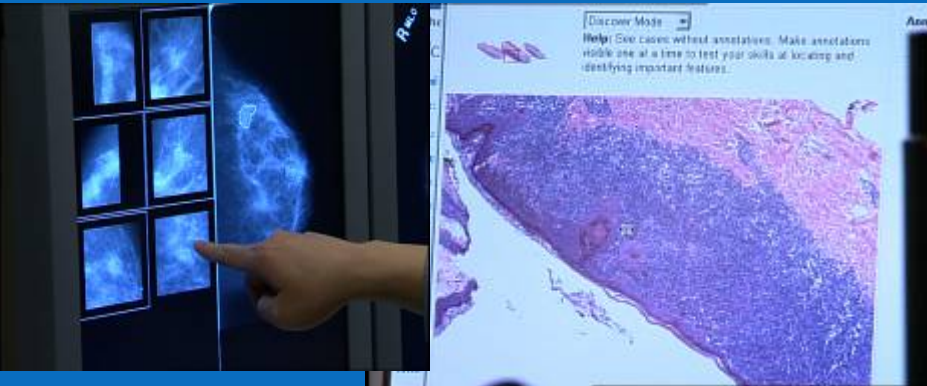
Cambridge

Seattle

Pittsburgh

Berkeley

- Network of Lablets
- Co-located with top Universities
- Connection to Research Community

(intel)

# Lablets – Key Elements

- Open Collaborative Model –
  - Allow People and Ideas to flow freely
  - Open models for publication and IP
  - Interaction facilitated by physical locality and directors

- Active Engagement with university communities
  - Large numbers of joint projects
  - Intel participants in University projects, University participants in Intel Projects
    - => and everything in between
  - Internship programs – often aligned with PhD projects

(intel)

# Example Projects

## Diamond Non-Indexed Image Search: Assisting in Breast Cancer Diagnosis





IR Pittsburgh, CMU, UPMC, Univ Pittsburgh

## Long Distance Wi-Fi: Enabling Eye Care in Rural India



Long Distance Wi-Fi

Aravind Eye Care System at Rural Vision Centers



IR Berkeley, UCB TIER (Technology and Infrastructure for Emerging Regions), Aravind Eye Hospital, NSF

(intel)

# An Expansive View

- Lablets are foci for collaboration with the entire research community
- not just local universities
    - Broad research collaborations, faculty collaboration, intern sourcing
    - Branching out to multiple institutions
    - => Come and collaborate

- Open Collaborative Model
    - Reach beyond a single institution
    - Other corporations are Emulating

# Intel Research



Seattle

Cambridge

Pittsburgh

Berkeley

=> Growing Synergy and Connection with the Research Community

(intel)