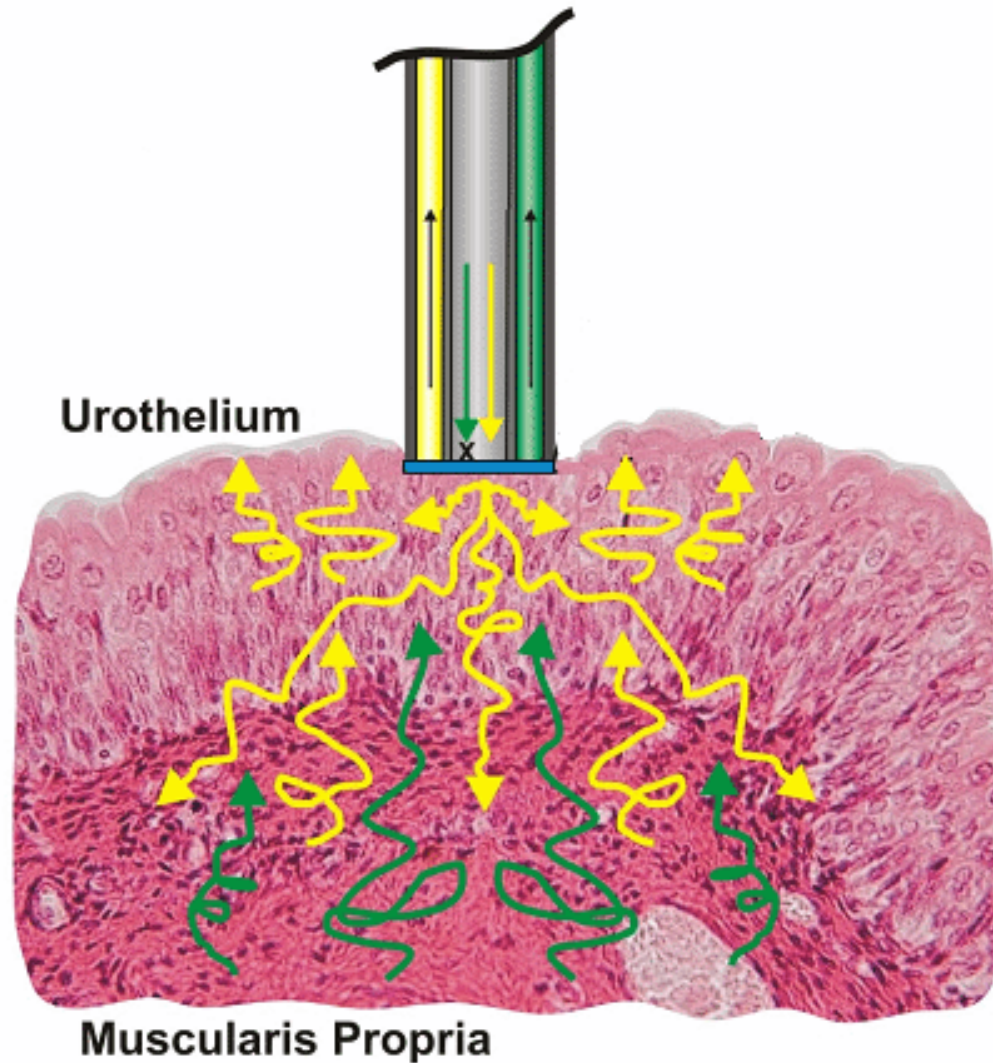


Instant, In-Vivo Cancer Detection

Randal Chinnock, CEO
Optical Biopsy LLC
508 765-8100 x 204
rchinnock@optimum-tech.com

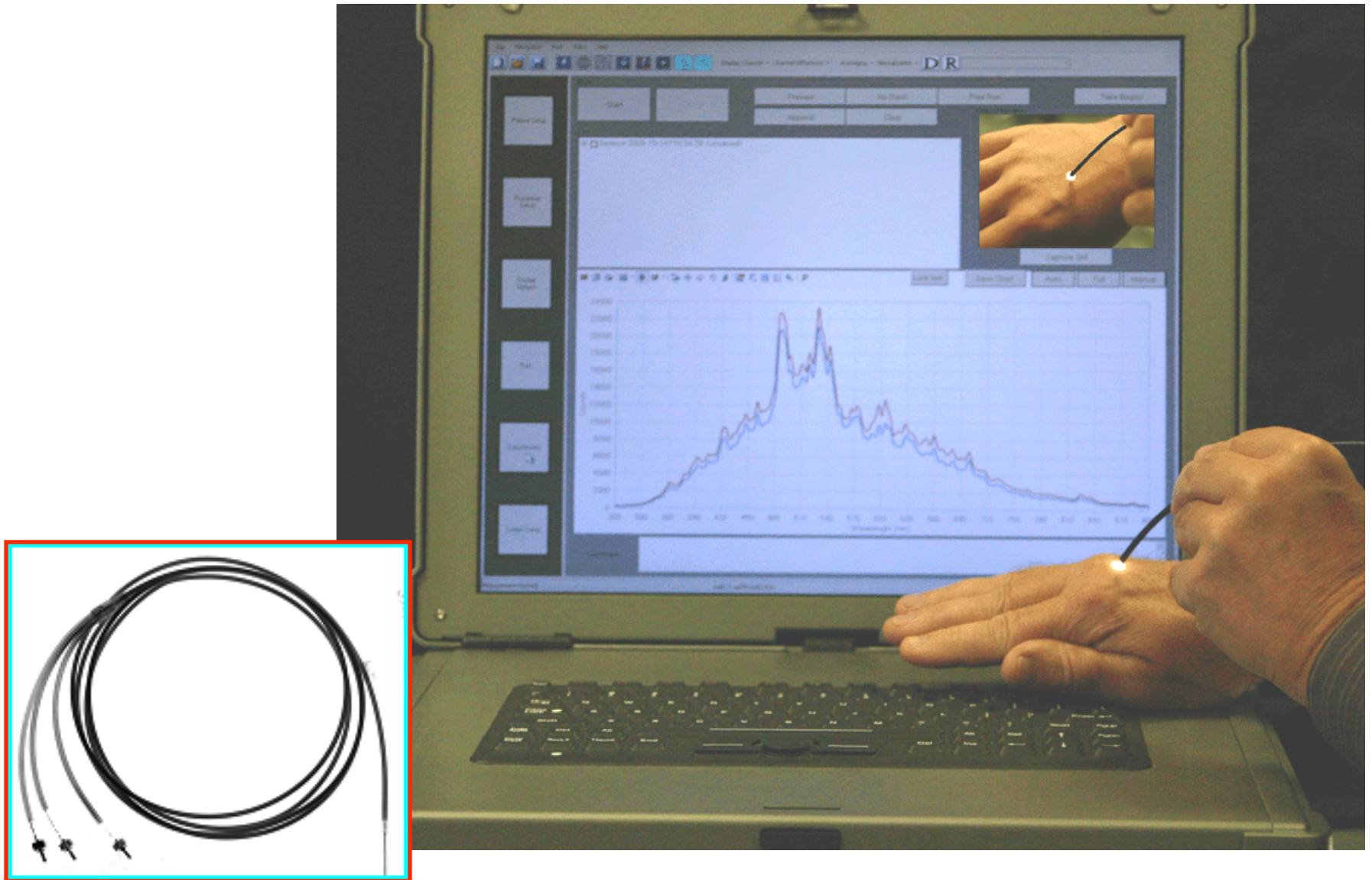
MTTC Platform Meeting, December 16, 2009

Better Info than the Gold Standard



Polarized Elastic
Scattering
Spectroscopy (PESS)

Tabletop Console, Disposable Probe



Millions of Patients

- Americans with colo-rectal cancer
- New cases of GI & and bladder cancer worldwide each year
- Colonoscopies performed in the U.S. each year



A Biopsy Revolution

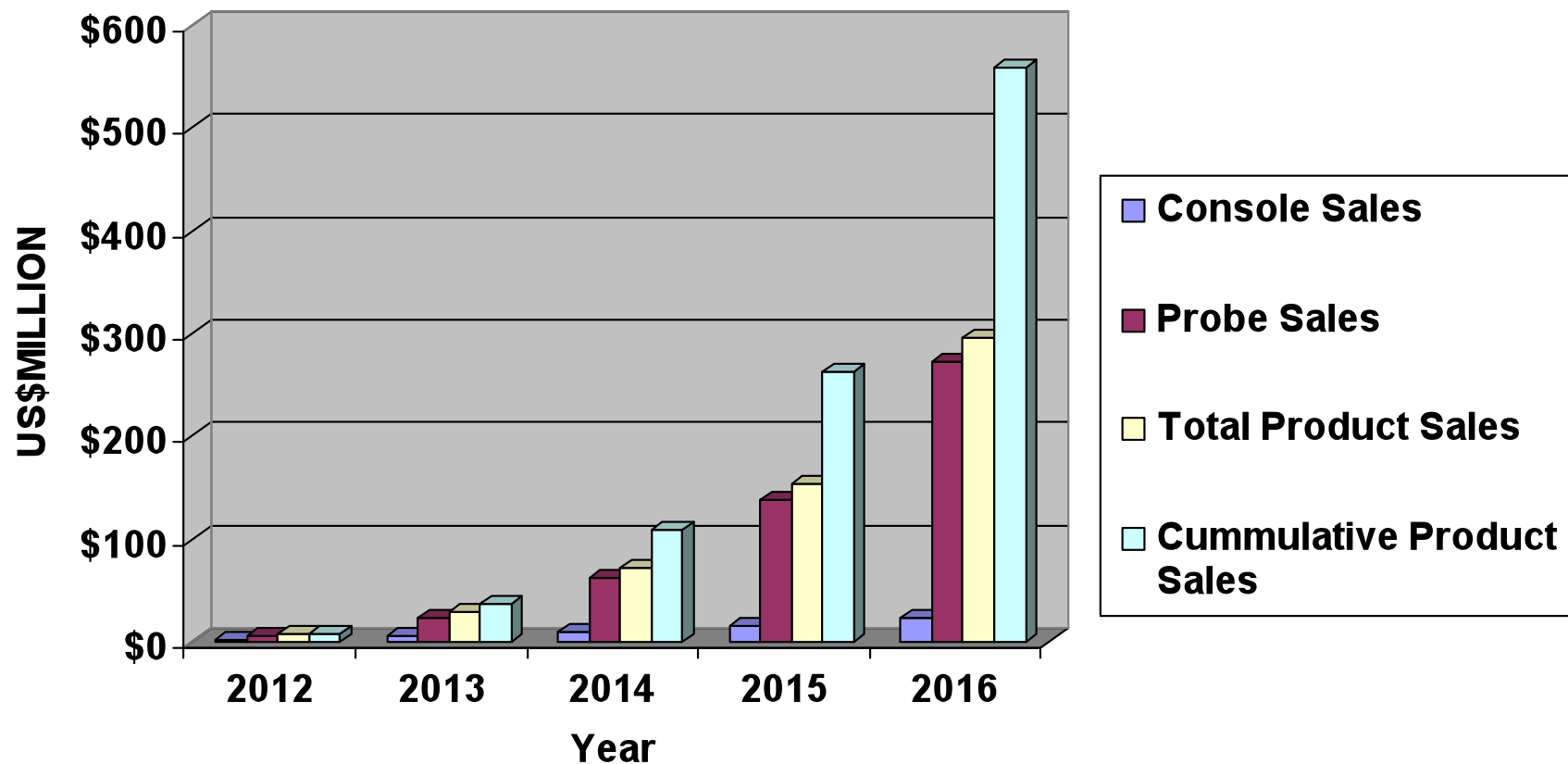


Excisional Biopsy















Optical Biopsy

Market Opportunity: \$500M+



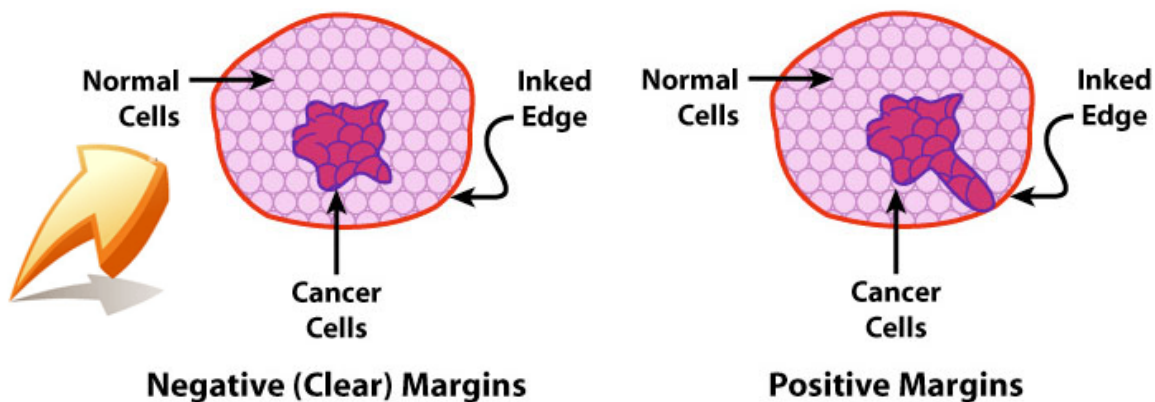
Hospitals Reduce Costs, Risks, Patient Anxiety, and Patient Outcomes

	Conventional Biopsy	PESS
Non-Invasive?		
Unlimited sampling?		
Risks of infection/ perforation?		
Reduced procedure time and patient anxiety?		
Elimination of pathology lab costs?		
Improvement of diagnostic accuracies?		

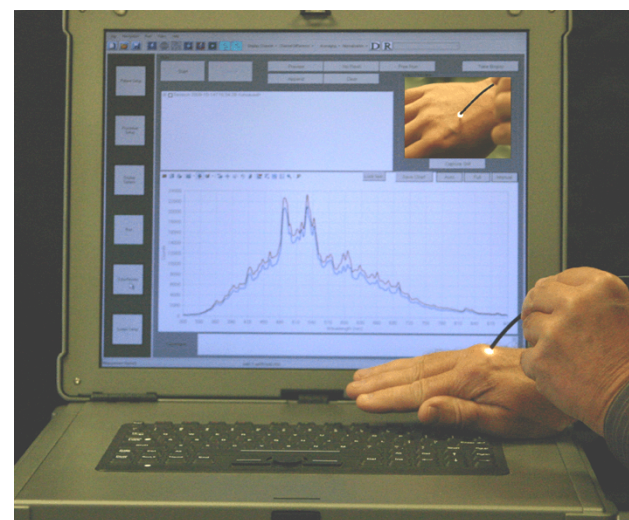
Making Polypectomy More Profitable



Preventing Re-Surgeries and Suits: Instant Surgical Margin Assessment



or



Instrumentation at Advanced Stage

SBIRs

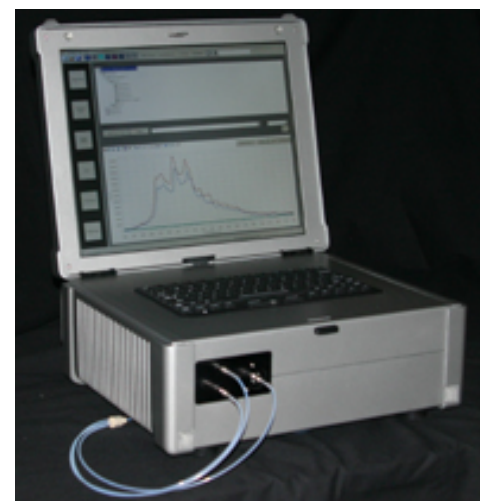
- Technology development
- Human study in bladder

Subcontracts





- Boston University – Colon study
- Boston University – Head/neck cancer study
- BIDMC – Barrett's esophagus study

Sales

- 12 systems sold to researchers

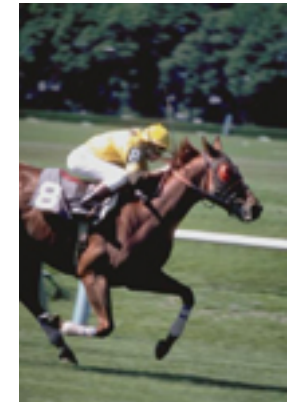
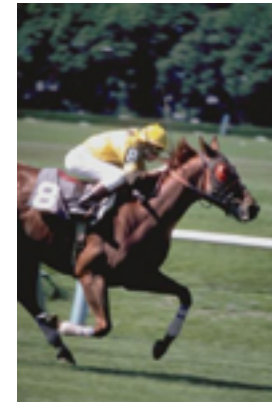


Strong IP Position

Clearance	
Issued Patents	
Filed Patents	
Inlicensing Discussions	

The Short Track to Liquidity

MONTHS 12 24 36 48 60



Product Development

Clinical Study

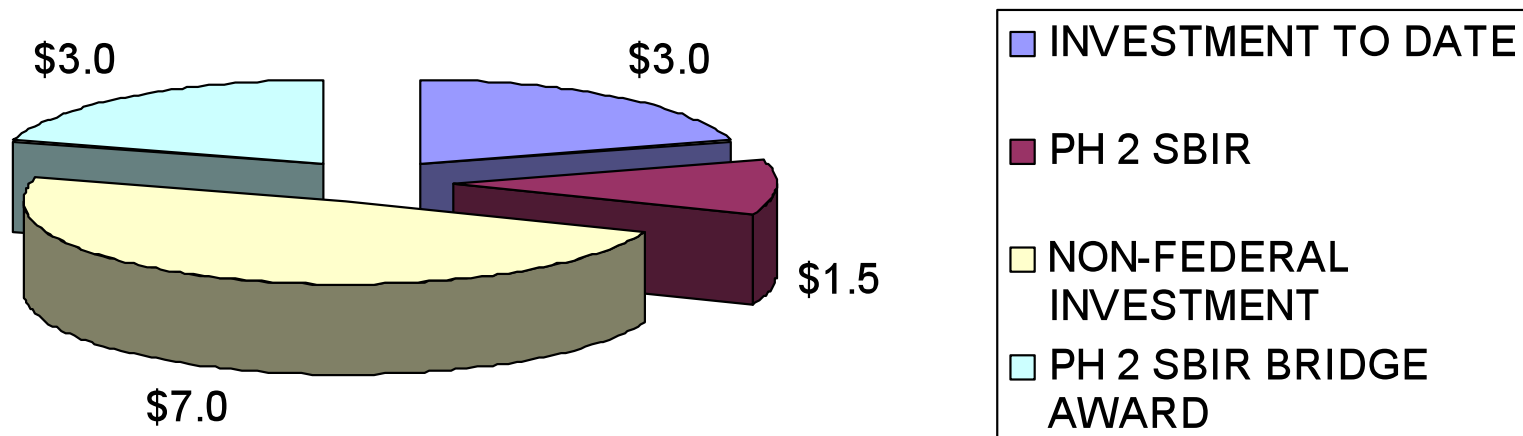
FDA Clearance

Reimbursement

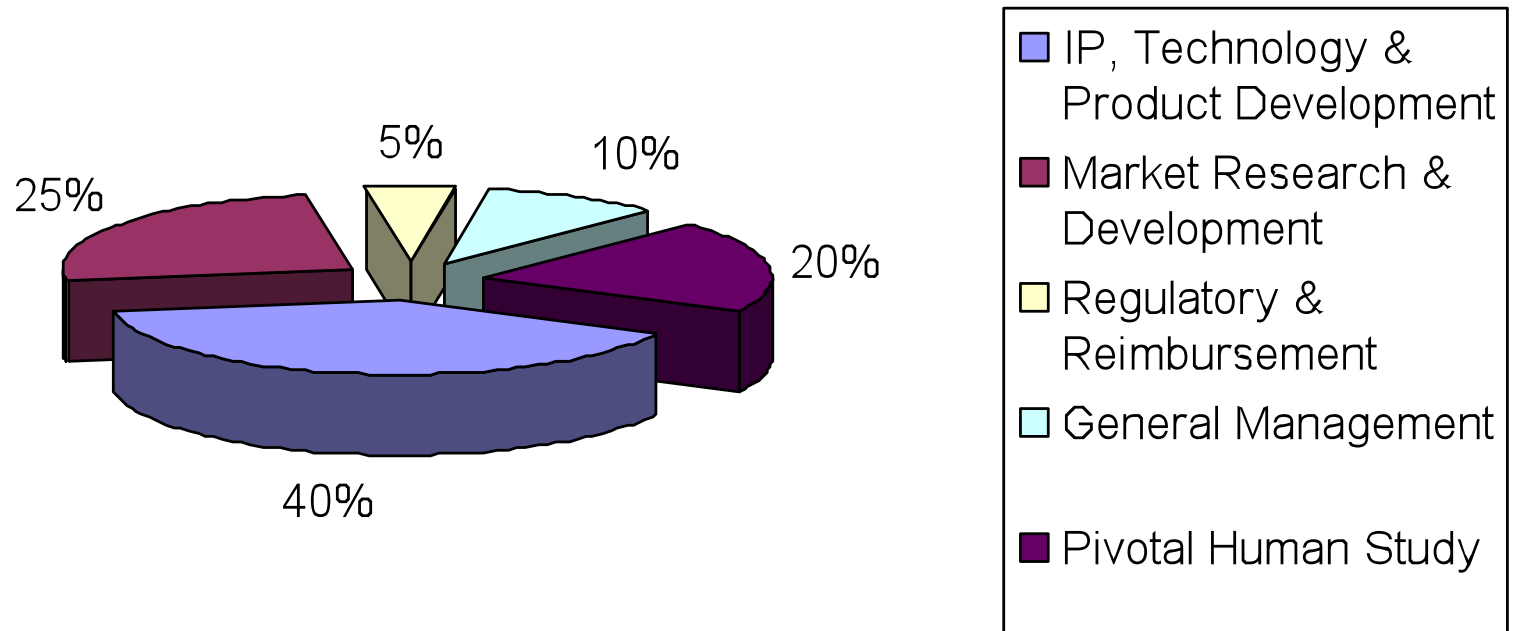
Liquidity

The Optimum Stage to Invest

TOTAL NEW FUNDING NEEDED: \$11.5M



How We'll Spend the \$\$\$



No Slackers Here



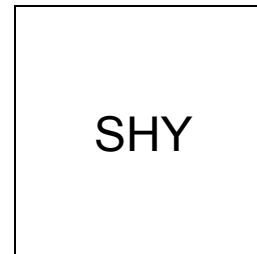
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CEO



Irving Bigio, Ph.D.
Boston University
Scientific Advisor



Fred Bargoot, Ph.D.
VP of Product
Development



Lev Perelman, Ph.D
BIDMC
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George Grubner, MSEE
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