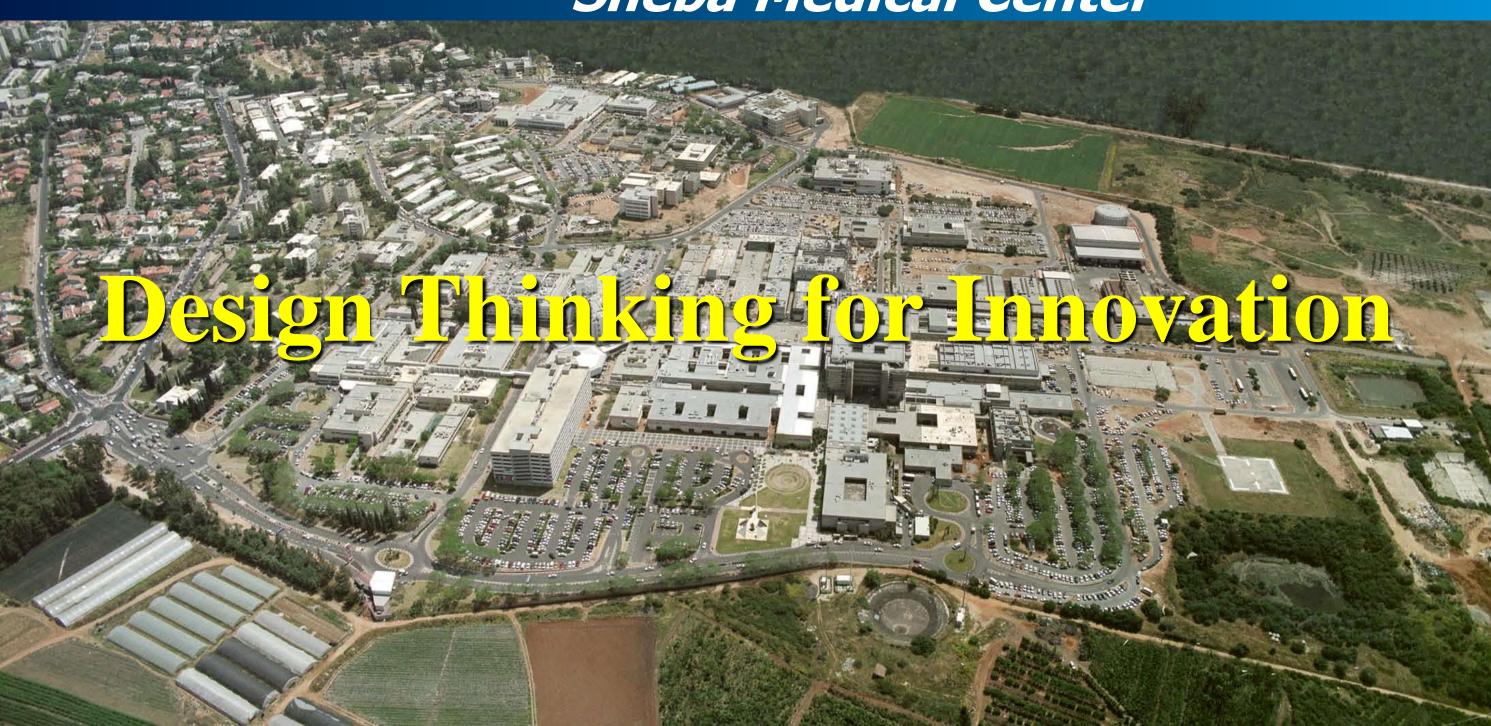


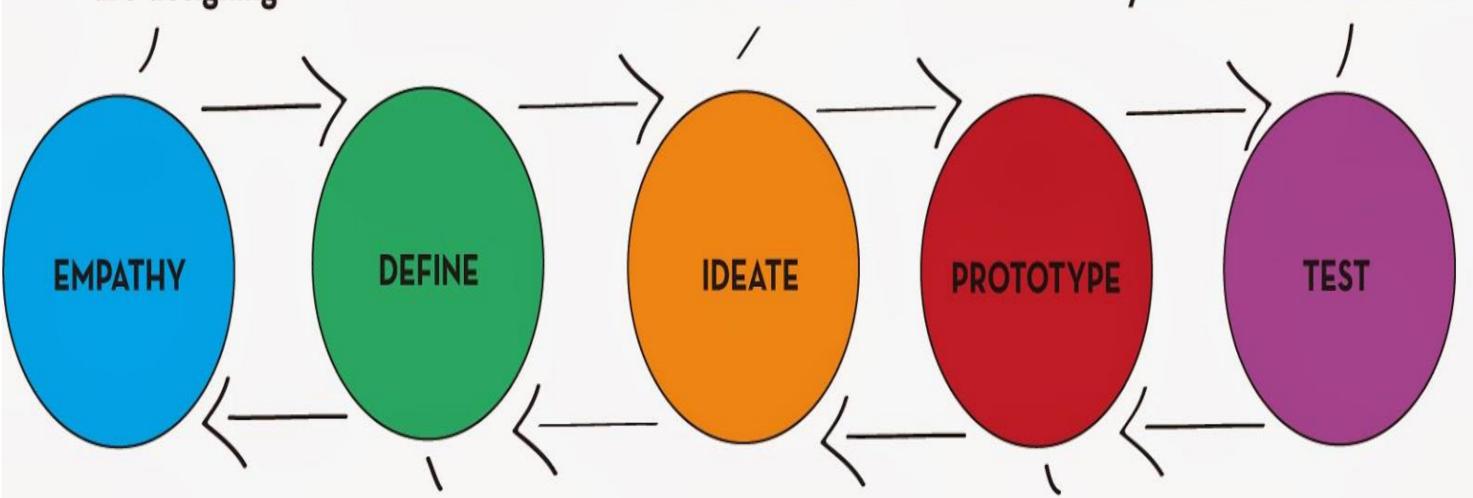
## Medical Research and Innovation Sheba Medical Center



Learning about the audience for whom you are designing

brainstorming and coming up with creative solutions.

Returning to your original user group and testing your ideas for feedback.



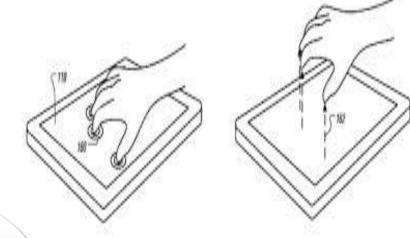
Redefining and focusing your question based on your insights from the empathy stage.

Building a representation of one or more of your ideas to show to others



## U Are Creative!!! Everyone can do it.

**Creative Thinking Skills New ideas New Combinations** 



Resources
Knowledge – experience CREATIVITY
Curiosity

Internal Innovation Passion

Creativity is not about inventing something totally new - It is about making new - synergistic! - connections.

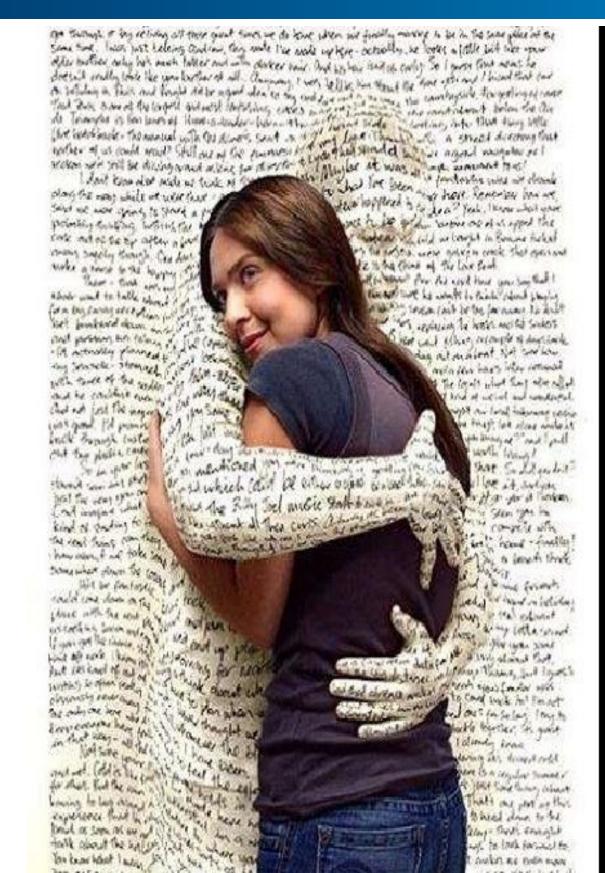
It's not about who you are, it's about what you do.

Look for multiple solutions and give yourself permission to be playful and inquisitive, flexible and versatile.



### Inspiration → Idea → Implementation

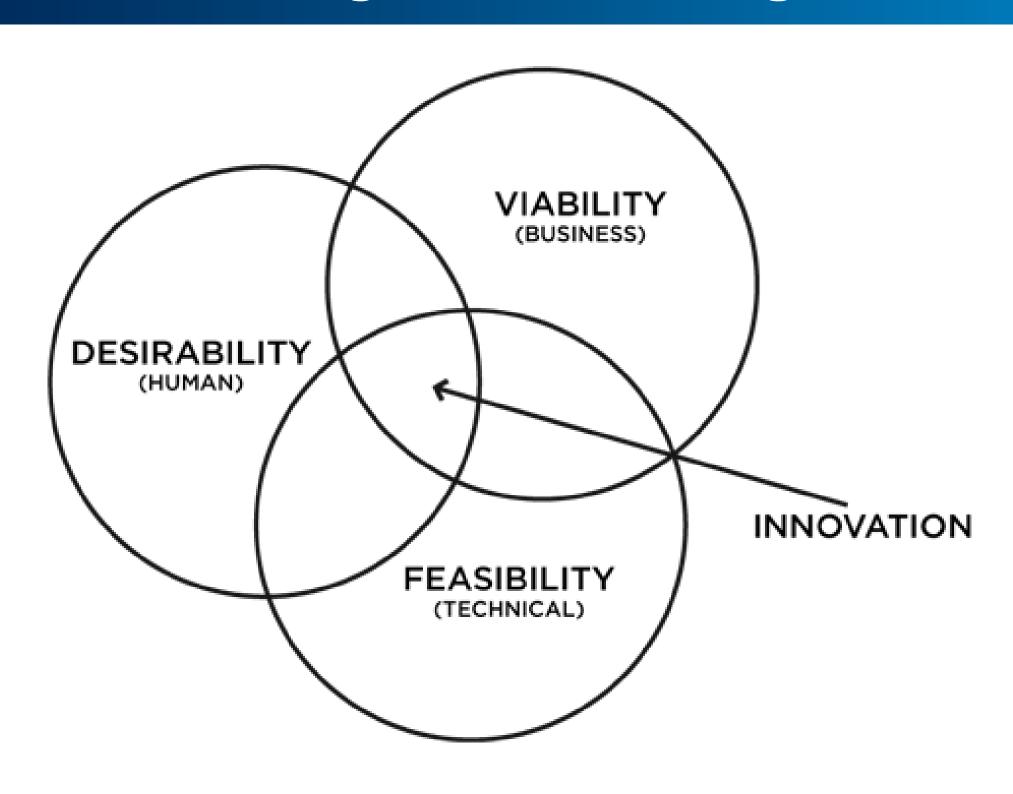
**INSPIRATION INSIGHTS OBSERVATION TELL STORY EMPATHY** 



## cultivate empathy



## **Integrative Thinking**





## Design Thinking for Innovation

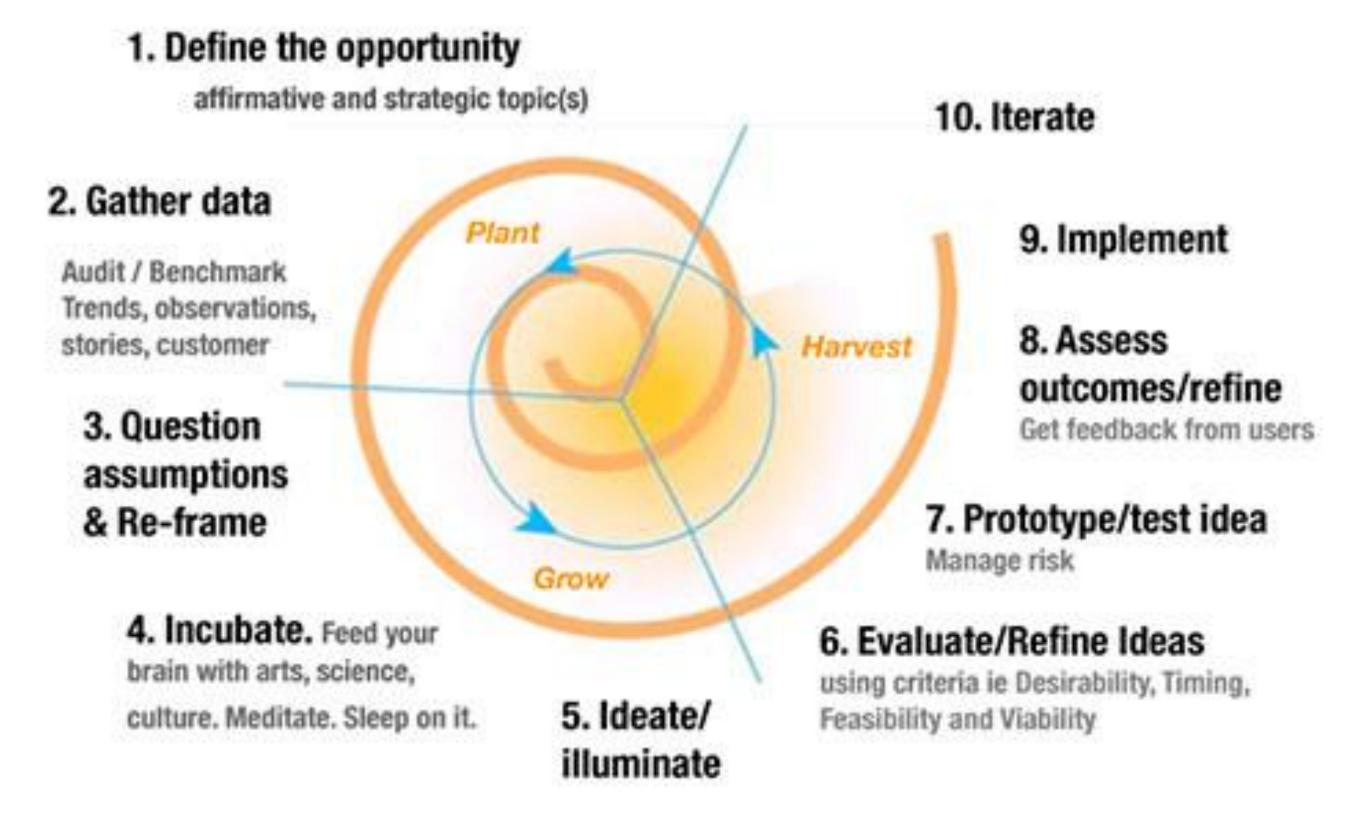
The difference between creativity and innovation is the focus.

**Creativity** is about *unleashing the potential* of the mind to conceive new ideas. Those concepts could manifest themselves in any number of ways, but most often, they become something we can see, hear, smell, touch, or taste. However, creative ideas can also be thought experiments within one person's mind.

Creativity is subjective, making it hard to measure

**Innovation** is measurable. Innovation is about introducing change into relatively stable systems. It's also concerned with the work required to make an idea viable. By identifying an unrecognized and unmet need, an organization can use innovation to *apply* its creative resources to design an appropriate solution and reap a return on its investment.

## A Framework for Creativity & Innovation



Assemble multi-disciplinary group. Use diverse stimuli for ideation. Be visual. Co-create.



## Solving problems...

Within these steps, problems can be framed, the right questions can be asked, more ideas can be created, and the best answers can be chosen. The steps aren't linear; they can occur simultaneously or be repeated.

Although design is always subject to personal taste, design thinkers share a common set of values that drive innovation: these values are mainly creativity, ambidextrous thinking, teamwork, end-user focus, curiosity.

This method of thinking and cognition is a big area of academic research – approaches and knowledge in this area are largely **Tacit** and therefore difficult to define.



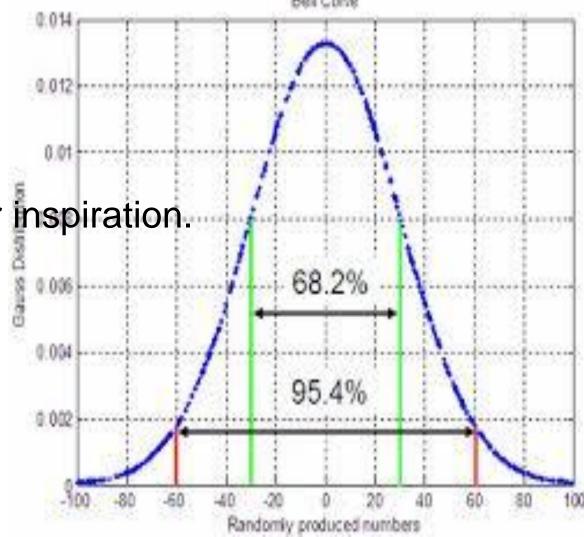
### **Inspiration** → Idea → Implementation

#### Inspiration

- > Everything hinges on inspiration. We need new insights to drive innovation.
- > The right way to get inspired is to get out into the real world: use the world as a source of inspiration not just validation.
- > Great designers are great observers of life.
- Design research is an inspiration tool.
- Designers gain empathy by <u>looking at the world</u>
  <u>Through other people's eyes</u>
- Designers often look at <u>analogous situations</u> for inspiration.
- > Insights come from extreme users

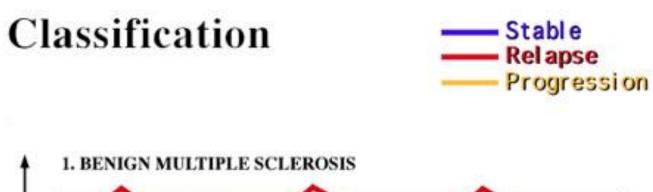
and not from center of the bell curve.

There's little inspiration in average usage.



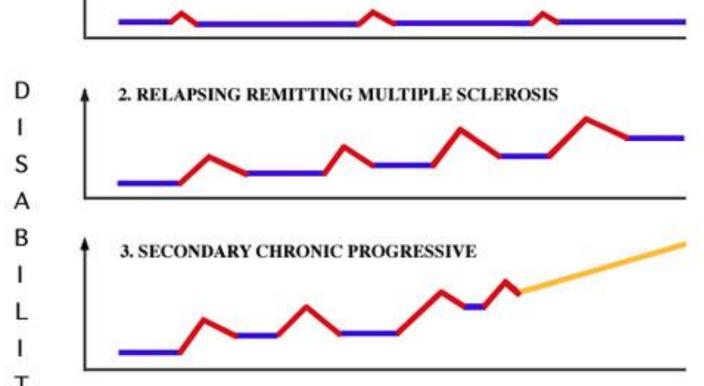
## Multiple sclerosis

B<sub>9</sub> MS



#### Benign MS

Disease duration >= 10y Low disability (EDSS=<3)



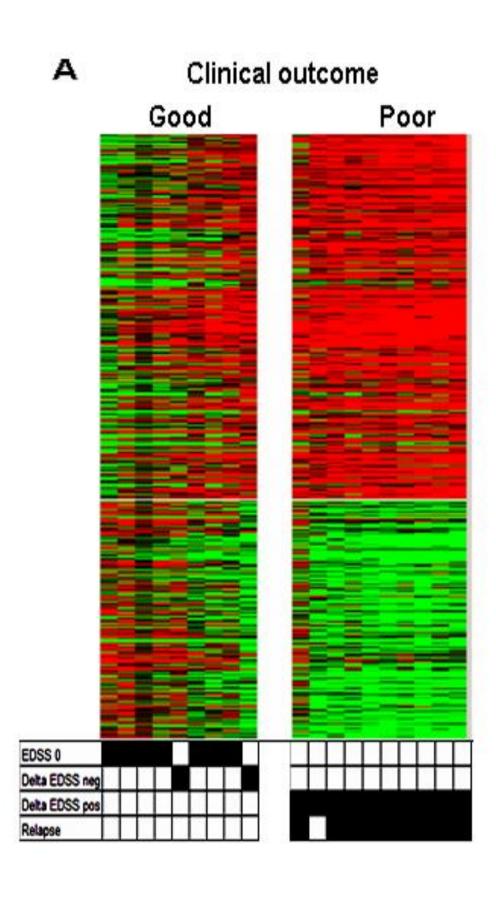
Non-treated RR group (N=21) High Disability: EDSS=3.15±0.23 Duration=9.8±1.56yr

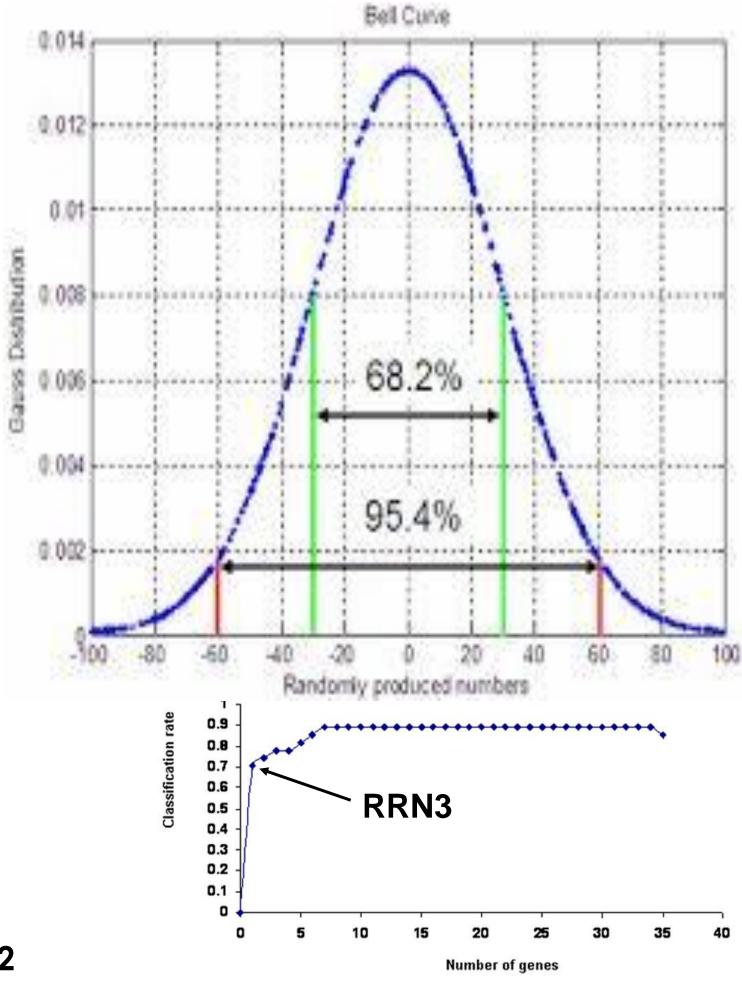
Annual EDSS increase= $0.49\pm0.0814$ Annual Relapse rate= $0.64\pm0.11$  Non-treated BMS group (N=23)

Low Disability: EDSS= $1.7\pm0.16$ 

Duration= $16.1 \pm 1.36$ yr

Annual EDSS increase=0.12±0.014 Annual Relapse rate=0.26±0.04





 $\triangle$ EDSS: -0.33±0.24 1.60±0.35 p=0.0002  $\triangle$ Relapse rate: 0 1.80±0.35 p=0.00009

Achiron et al., Clin Exp Immunol, 2007

## Identifying gene expression signature in benigrus. relapsing-remitting multiple sclerosis

BMS differed from RRMS by: 406 genes with p<0.01 171 over-expressed 235 down-expressed log fold change range -3.1 to 3.3

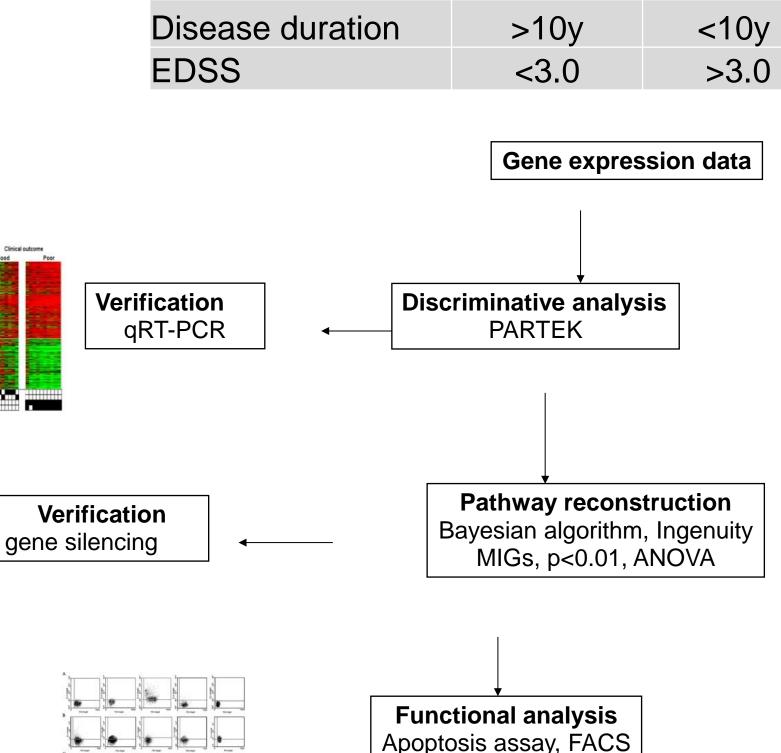
**BMS** 

N = 20

**RRMS** 

N = 15

	BMS (N=31)	RRMS (N=36)
Disease duration	>10y	<10y
EDSS	<3.0	>3.0



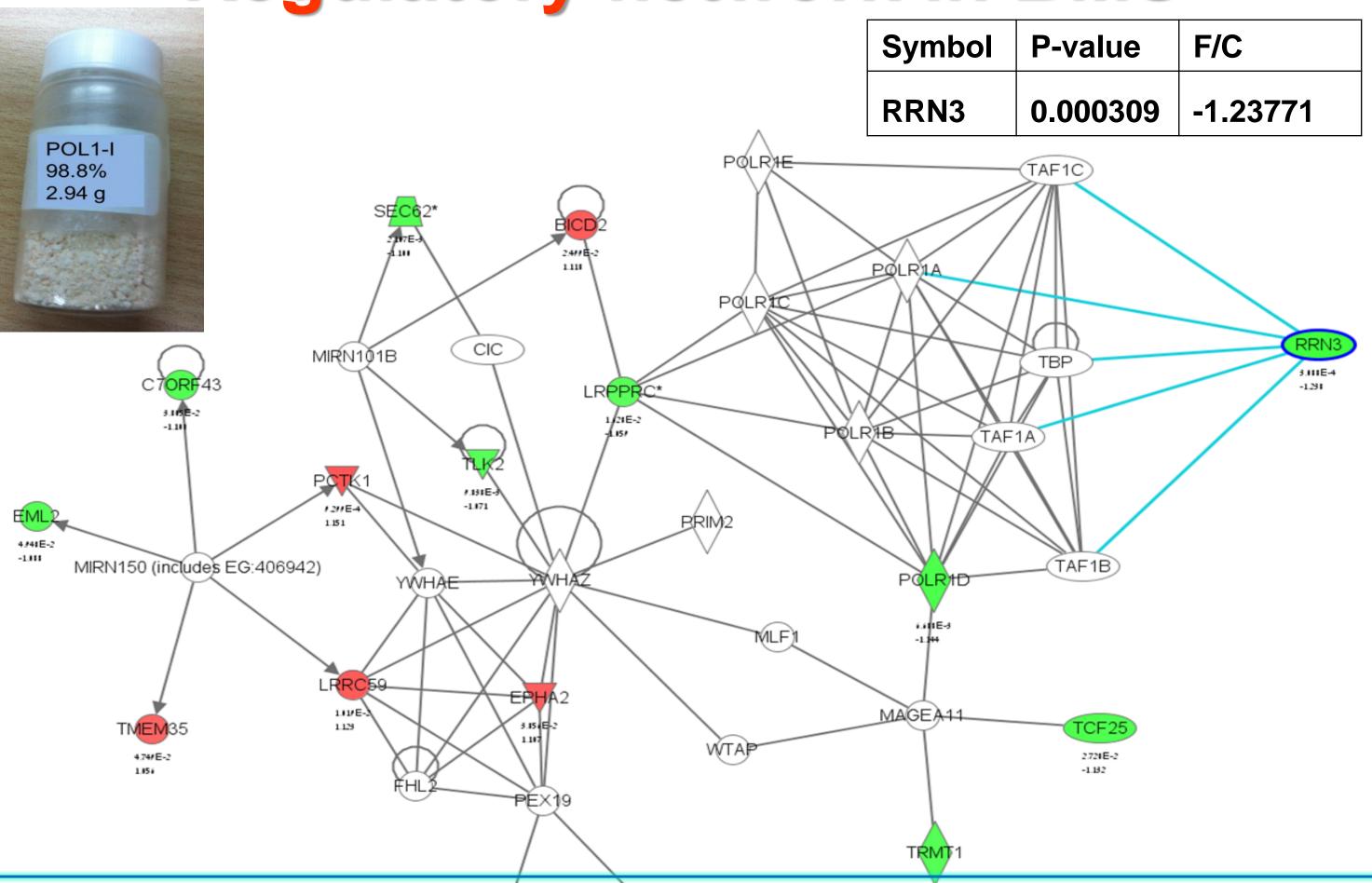
Drug identification Pol1 pathway targeting molecule EAE animal models Target drug validation

multiple sclerosis

expression

analysis

Regulatory network in BMS



Achiron A, et al. Suppressed RNA-polymerase 1 pathway is associated with benign multiple sclerosis. PLoS One. 7(10):e46871, 2012.



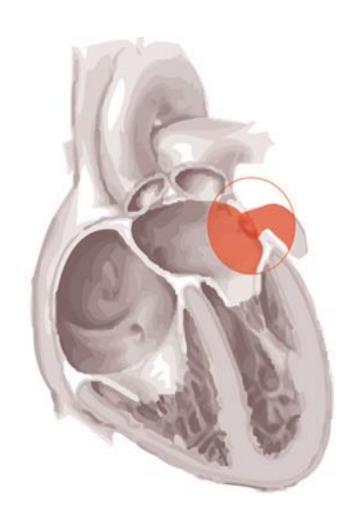
## Commit yourself to strategic focus are

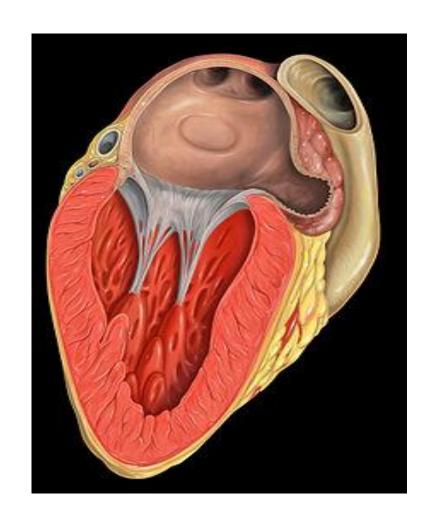
- > Multiple Ways to Succeed
- > Standard Research Methodology
- > Don't put Arbitrary Constraints on yourself
- > Accept Criteria for an Innovative Project
- > Remember you are in an integrated health care network!!
- > Observe!!!

A dangerous instrument and an inappropriate procedure.

Only one so inexperienced and would dare think of it.

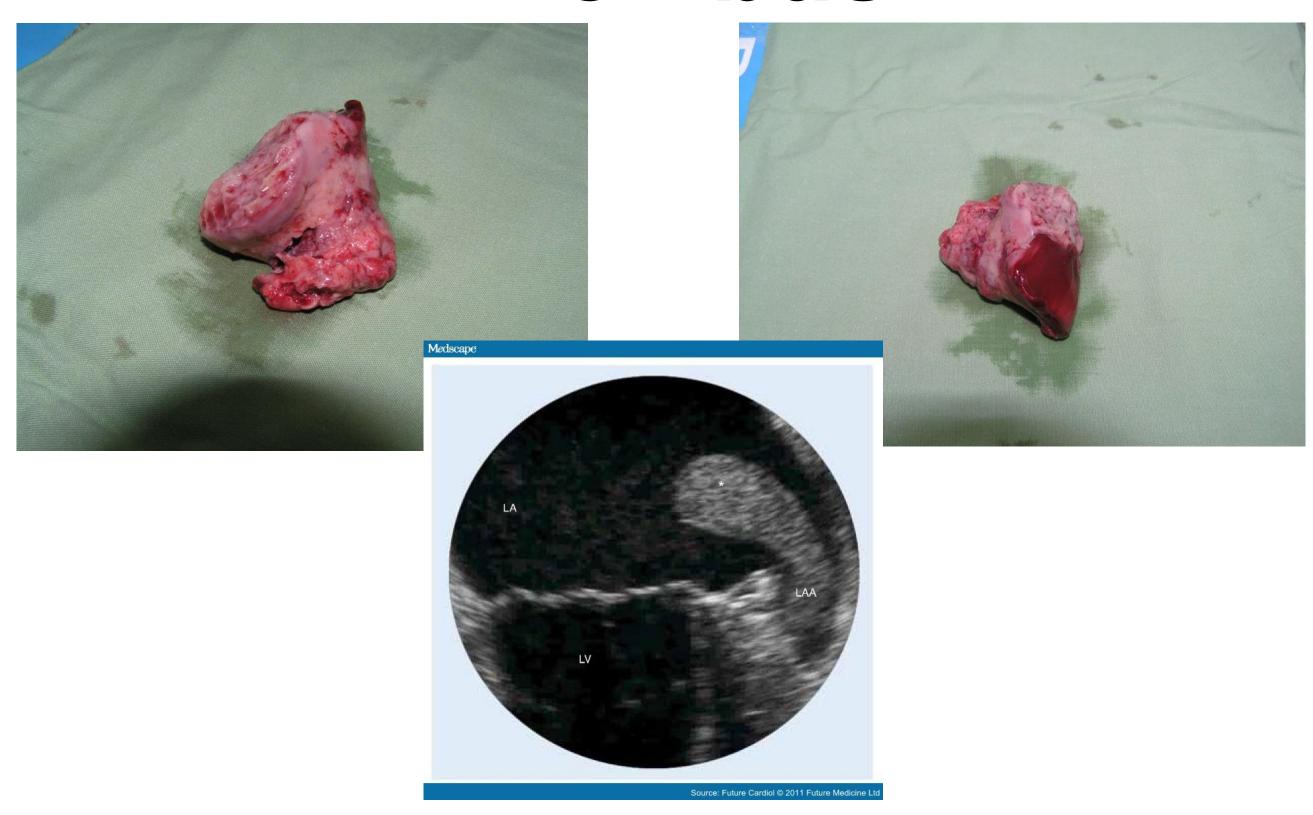
## Left Atrial Appendage



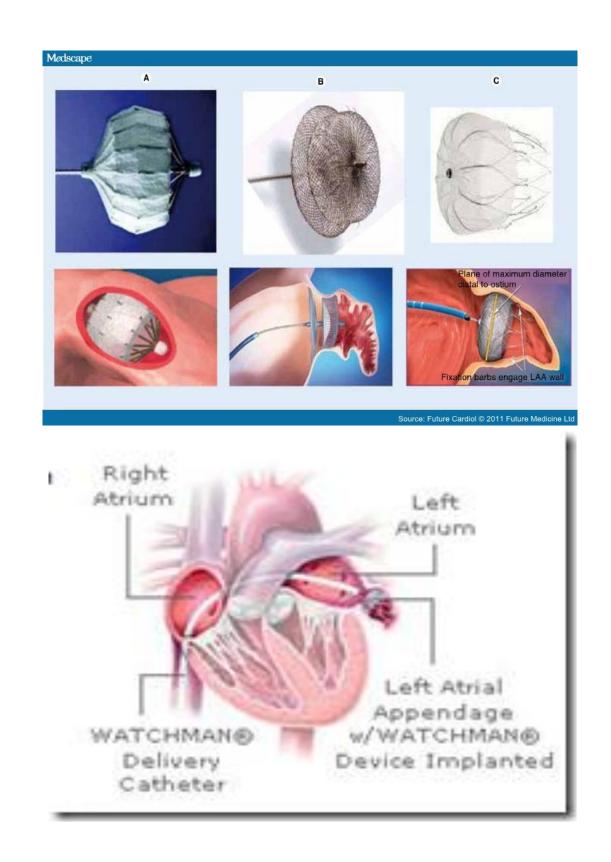


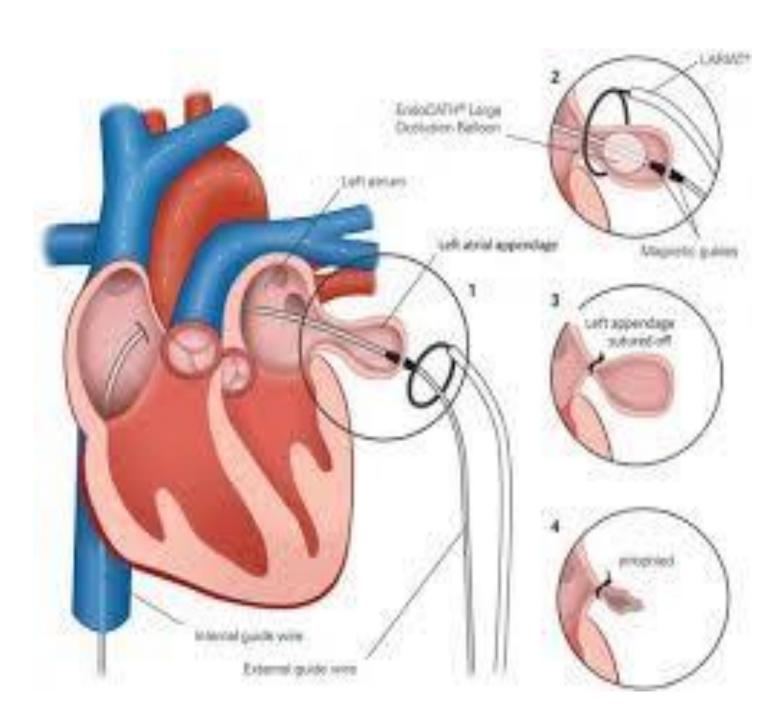
Different shape, size and orifice

# Left Atrial Appendage Thrombus



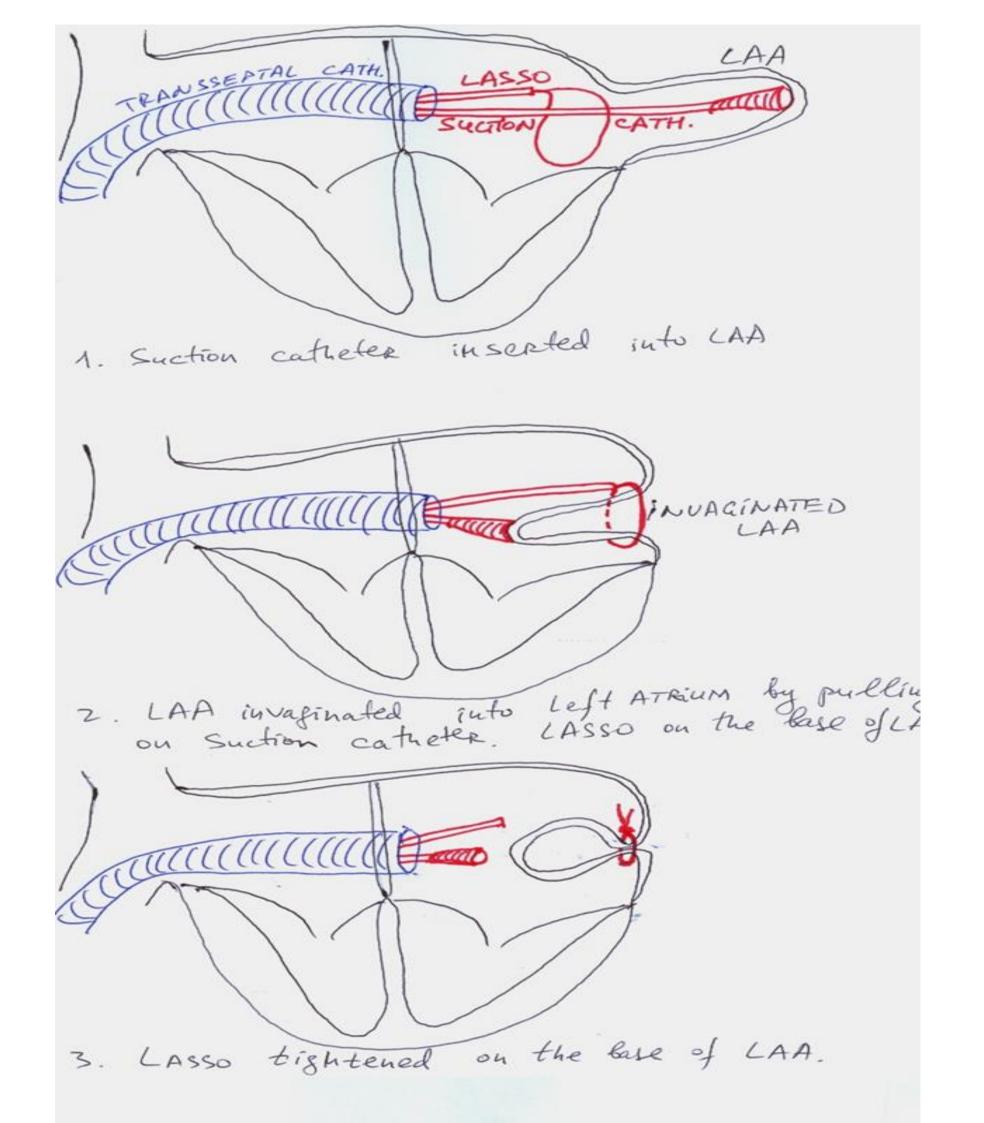
## Intraatrial Devices for Appendage Closure





## What We Need

- 1. Transcatheter Device
- 2. No Anchors, Atraumatic
- 3. Minimal Foreign Material
- 4. Complete Occlusion





#### BioMedical Technology – Research Needs Assessment

- Identify and validate a medical need or opportunity
- Observations
- Early feedback and help on an idea

## Observation & Problem Identification Document Observations

Observations can be performed with patients, physicians, other healthcare providers (nurses, physician assistants), third-party payers, facility administrators, and other stakeholders involved in the delivery and/or management of care.



#### Translate Problem into a Need Statement

- ➤ Begin the process of translating problems into needs by asking a series of probing questions to reduce each problem to simple, causal factor that results in an undesirable outcome.
- ➤ Evaluate what change in outcome or practice the problem calls for from the target user's perspective and determine how it can be measured.
- ➤ Capture the essence of the need in a one-sentence statement that defines the specific issue that requires a solution with a focus on the goal or desired endpoint. Writing an effective need statement may take multiple iterations. Make every word count.



#### Define...

- ✓ Decide what issue you are trying to resolve.
- ✓ Agree on who the audience is-The Need
- ✓ Need Statement Development.
- ✓ Prioritize this project in terms of urgency.
- ✓ Determine what will make this project successful.
- ✓ Establish a glossary of terms.
- ✓ Document





## Inspiration → Idea → Implementation

#### Implementation – Build a Story

- Most things fail to get out because they can't make it through the organization.
- Storytelling helps develop & express ideas to get them through organizations.
- Stories can be films, presentations, physical experiences, or more.
- It creates new knowledge.
- ➤ If designers tell story the right way, they can have enormous influence through design.



#### Research...

- ✓ Review the history of the issue; remember any existing obstacles.
- ✓ Collect examples of other attempts to solve the same issue.
- ✓ Note the project supporters, investors, and critics.
- ✓ Talk to your end-users, that brings you the most fruitful ideas for later design
- ✓ Take into account thought leaders opinion
- ✓ <u>Document</u>



## Prototype the Idea ...



Need

- Combine, expand, and refine ideas.
- Create multiple drafts.
- Seek feedback from a diverse group of people, include your end users.
- Present a selection of ideas to the client.
- Reserve judgment and maintain neutrality.





### Big Data to Knowledge - BD2K

#### Turn big data into clinical intelligence Accelerating Value and Innovation

Big data provides new opportunities to store and index previously unusable, siloed and unstructured data for additional uses by health care stakeholders.

Analytics creates new business value by transforming this previously unusable data into new predictive insights and actionable knowledge.

New insights derived from big data analytics will serve to advance personalized care, improve patient outcomes and avoid unnecessary costs.





### Big Data to Knowledge - BD2K

#### The Challenge We Must Analyze Exponentially Growing Healthcare Data Assets













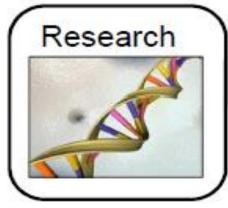




















#### Choose...

- > Review the objective.
- Set aside emotion and ownership of ideas.

#### Remember:

#### The most practical solution isn't always the best.

- Select the powerful ideas.
- Discuss.
- Document.

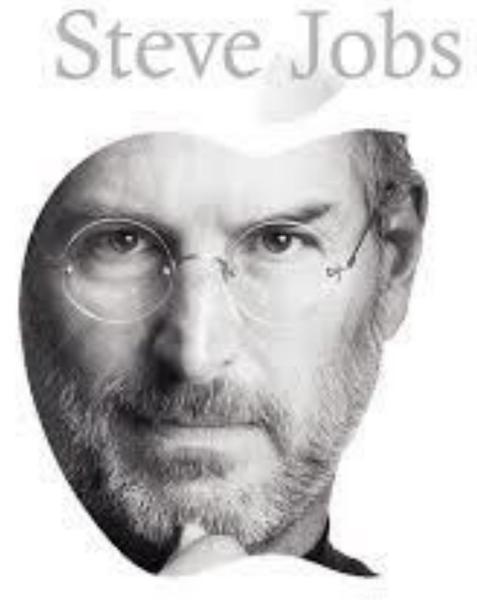




### "Stay Hungry and Foolish"

### Steve Jobs' '12 Rules of Success'

Do what you love to do	Strive to become a Market Leader
Be different - Think Different	Focus on the outcome
Do your best - be hungry for it	Ask for Feedback
Make SWOT	Innovate
analysis of yourself and your idea	Consider the impossible
Be entrepreneurial - Look for the next big thing	Learn from Failure Milestone for success
Start small, think big.	Learn continuously



1955 - 2011









#### SWOT chart can help to uncover opportunities

## Simple Rules for a successful SWOT analysis:

Be realistic about the strengths and weaknesses

The analysis should **distinguish** between where your are today, and where you be in the future.

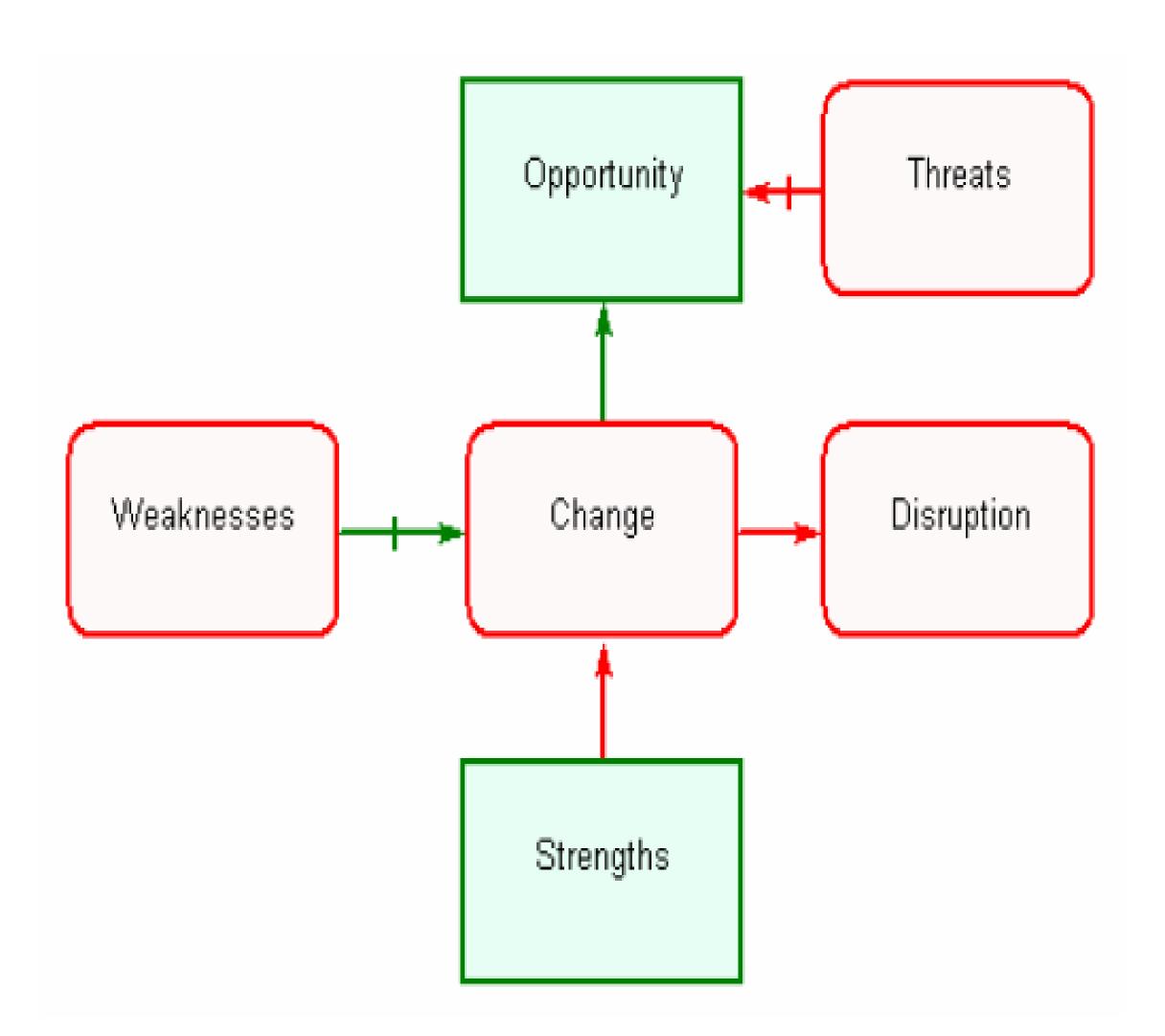
Be specific. Avoid grey areas. Avoid unnecessary complexity and over analysis

Always analyse in relation to your competition i.e. better than or worse than your competition.

Keep your SWOT short and simple - but only as short and simple as the application or situation demands - it is about fitness for purpose.



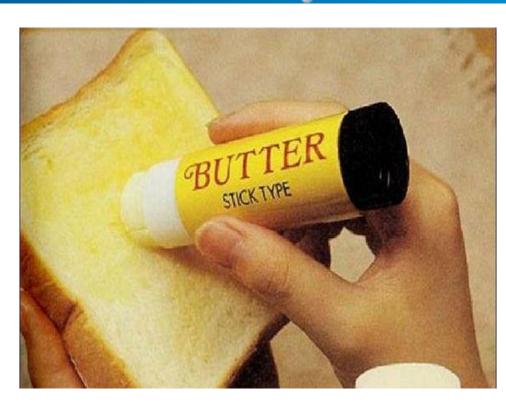
SWOT is not only a statement of ambition SWOT analysis results in an action plan





## Learn.. Where Technology Meets Creativity

- Gather feedback from the consumer.
- Determine if the solution met its goals.
- Discuss what could be improved.
- Measure success; collect data.
- Document.







## Innovation - Intellectual Property = \$\$\$\$

- 1. Novelty: the invention was not known or used by others, patented or described in a printed publication, etc.
- 1. Non-Obviousness: "the invention is not obvious for a person skilled in the art"

Scope and content of prior art

Level of ordinary skill in the art

Difference between 'prior art' and claims

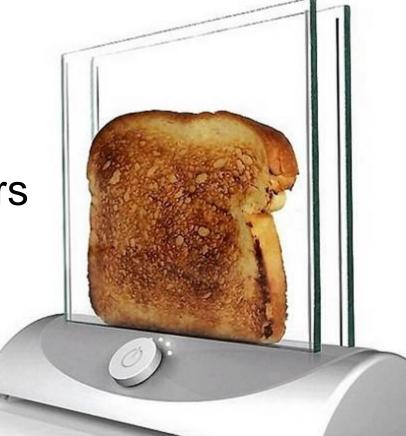
Dramatic commercial success

Failed attempts to solve the issue by others

Unfulfilled need for the invention

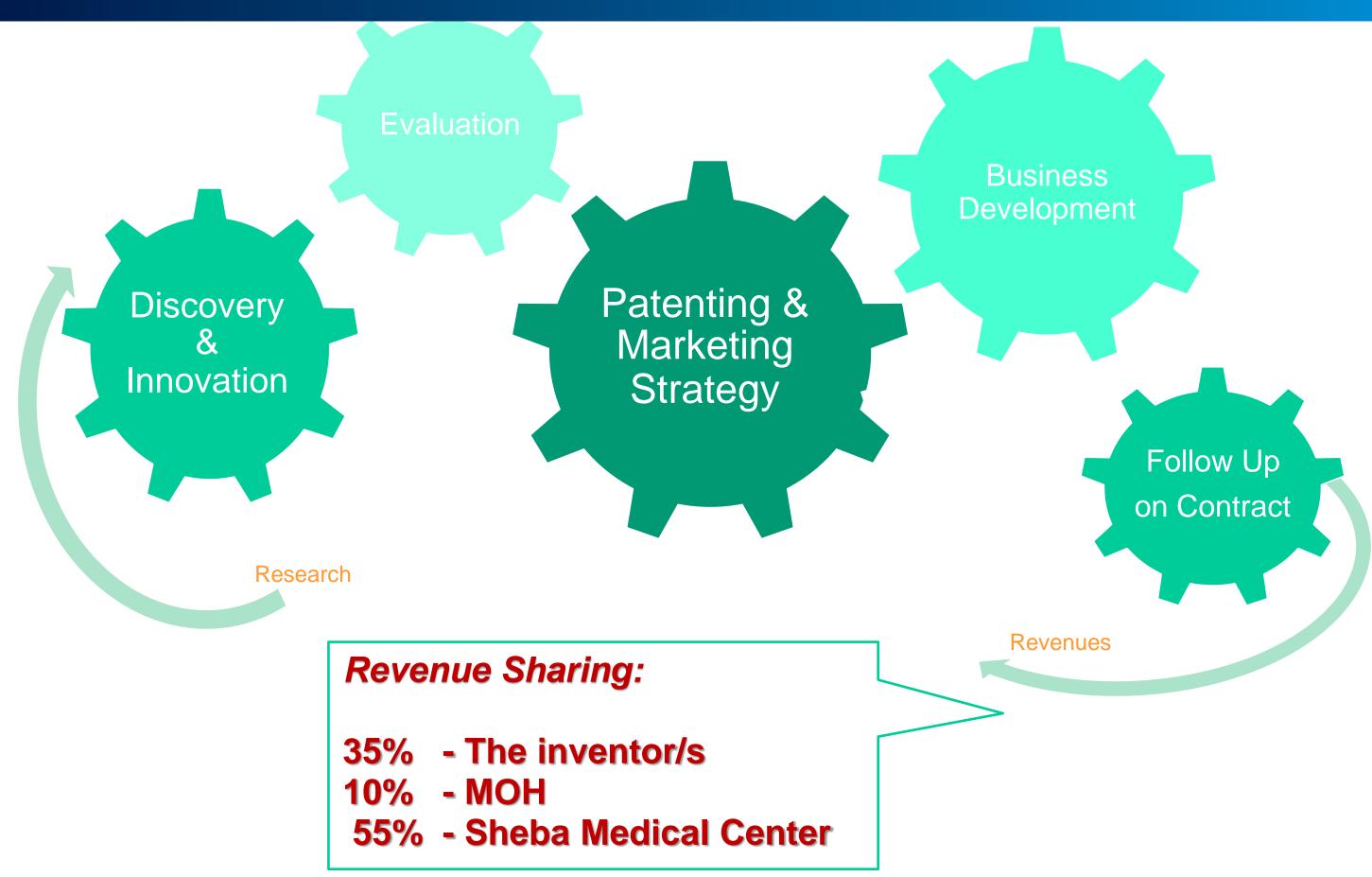
Prior art teaches away from the invention

3. Utility: A useful purpose





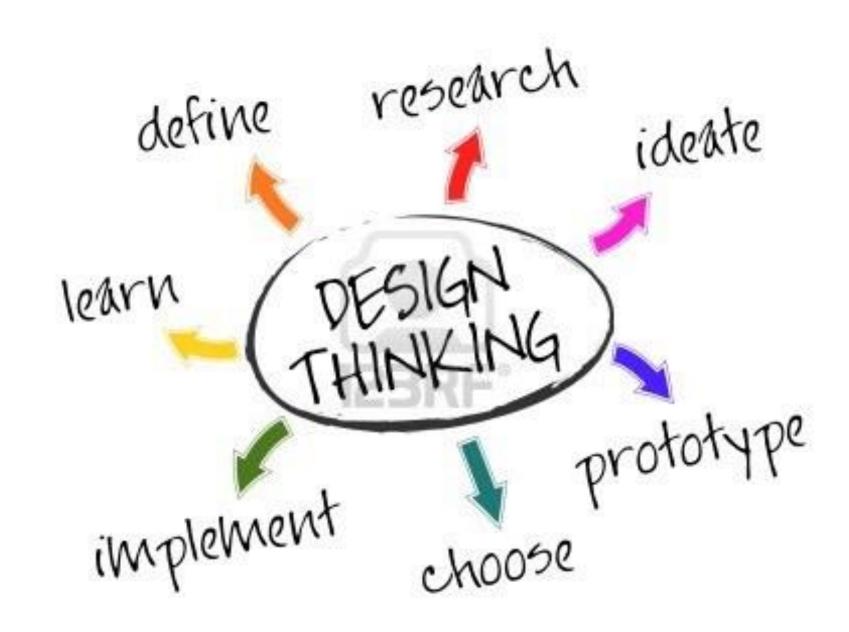
### **The Technology Transfer Process**





## Implement...

- Assign tasks.
- > Execute.
- Deliver to client.
- Document.



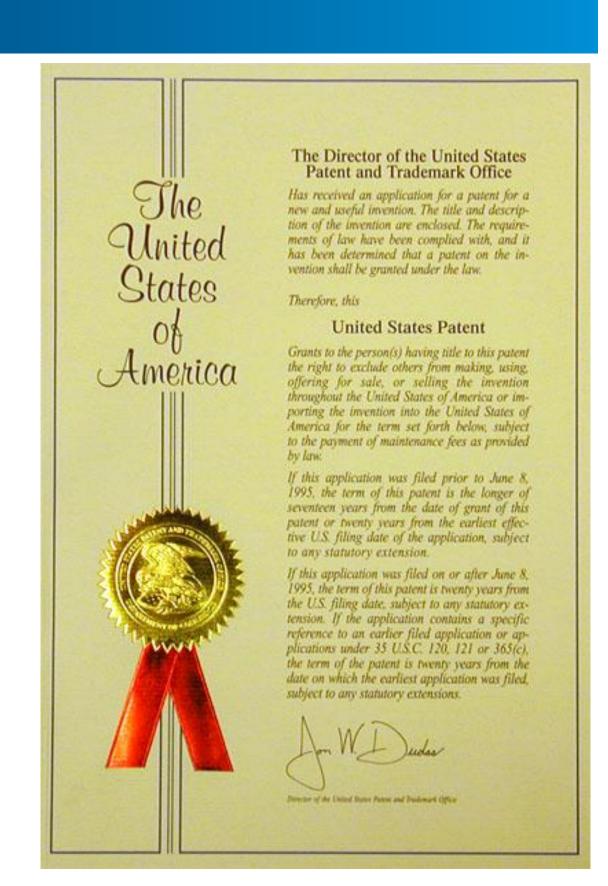


#### THE SHEBA VIII (120 LE NY 11 F) AT TEL HASHOMER

## Innovation - Intellectual Property = \$\$\$\$

Most business transactions in the biomedical industry are for the express purpose of transferring or combining patent rights

A patent is a set of exclusive rights granted by a state to an inventor or their assignee for a limited period of time in exchange for a public disclosure of an invention.





## Innovation - Intellectual Property = \$\$\$\$

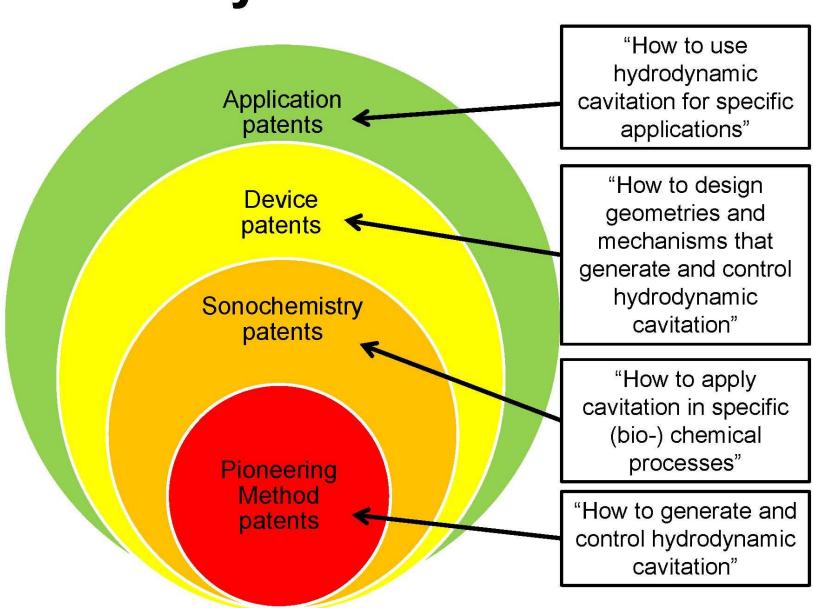
#### **Patent Application**

USPTO Guide to Filing a Non-Provisional Utility Patent Application

Step-bystep instructions

## Four Layers of Protection

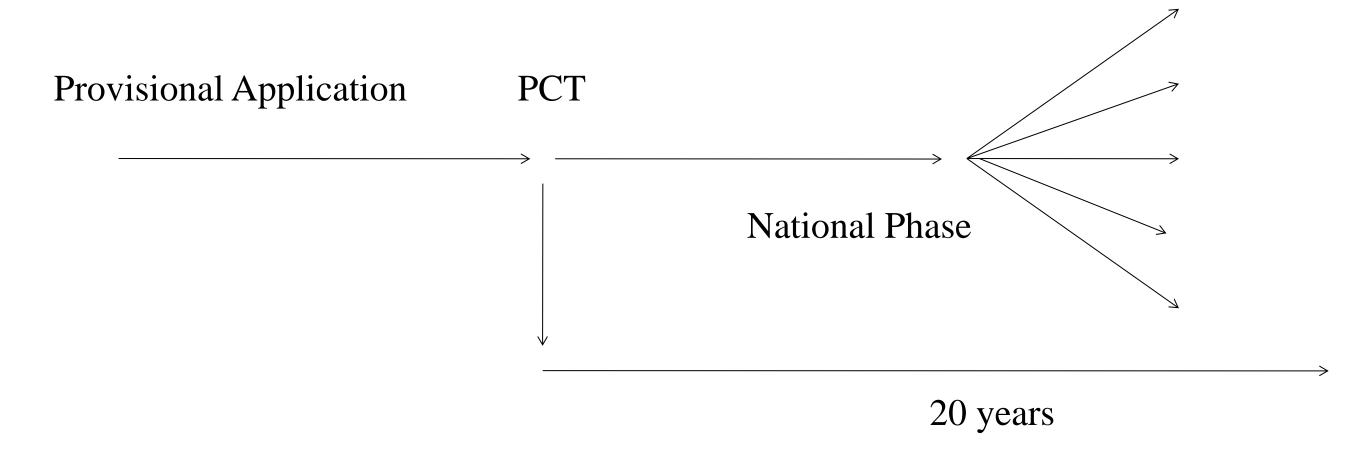
- Title
- Cross-references
- Background
- Summary
- Drawings
- Detailed description
- Claims





## Innovation - Intellectual Property = \$\$\$\$

A patent is a set of exclusive rights granted by a state to an inventor or their assignee for <u>a limited period</u> of time in exchange for a public disclosure of an invention.



Patent Term Extension: + 5-6 years, due to regulatory delays Data Package Exclusivity (FDA): 5-7 since approval

Patent Pending, Publication, etc.



## **Innovation - Intellectual Property = \$\$\$\$**



http://www.freepatentsonline.com

#### **Searching for Prior Art**

**US Classes:** 

623/001.36: <u>Prosthesis (i.e., artificial body members)</u>, <u>parts thereof</u>, <u>or aids and accessories</u> therefor; <u>Arterial prosthesis (i.e., blood vessel)</u>; With means to attach graft to natural blood vessel (e.g., hooks, etc.) (424 items)

An antibody for treating a cancer type is filed in 4 categories:

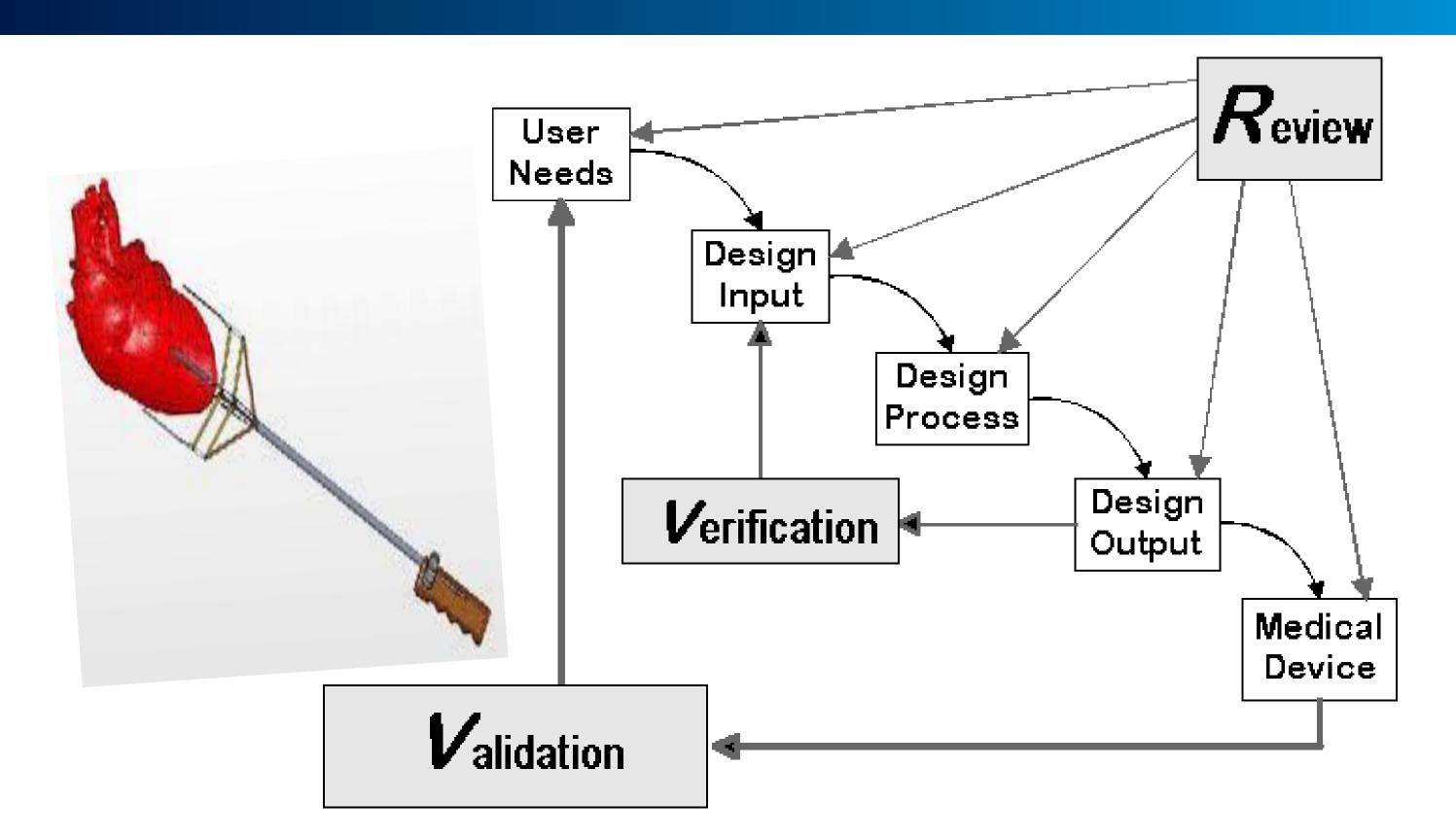
**424/155.1**: <u>Drug, bio-affecting and body treating compositions</u>; Immunoglobulin, antiserum, antibody, or antibody fragment, except conjugate or complex of the same with nonimmunoglobulin material; Monoclonal antibody or fragment thereof (i.e., produced by any cloning technology); Binds eukaryotic cell or component thereof or substance produced by said eukaryotic cell (1764 items)

**514/044:** Drug, bio-affecting and body treating compositions; Designated organic active ingredient containing Carbohydrate (i.e., saccharide radical containing); N-glycoside; Nitrogen containing hetero ring; Polynucleotide (e.g., rna, dna, etc.)

• • •



## From Innovation to product development





## Our Research Strength

- Commitment to Research and Innovation for the benefit of health
- Research Collaboration with major research institutes and Industry
- The clinical arm for the Israeli medical industry
- IRB approval enhanced process for Clinical Trial
- Recruitment rate : Beyond target
- Highly motivated, professional team dedicated for phase I and advance clinical trials
- Innovation and Technology Transfer over 60%

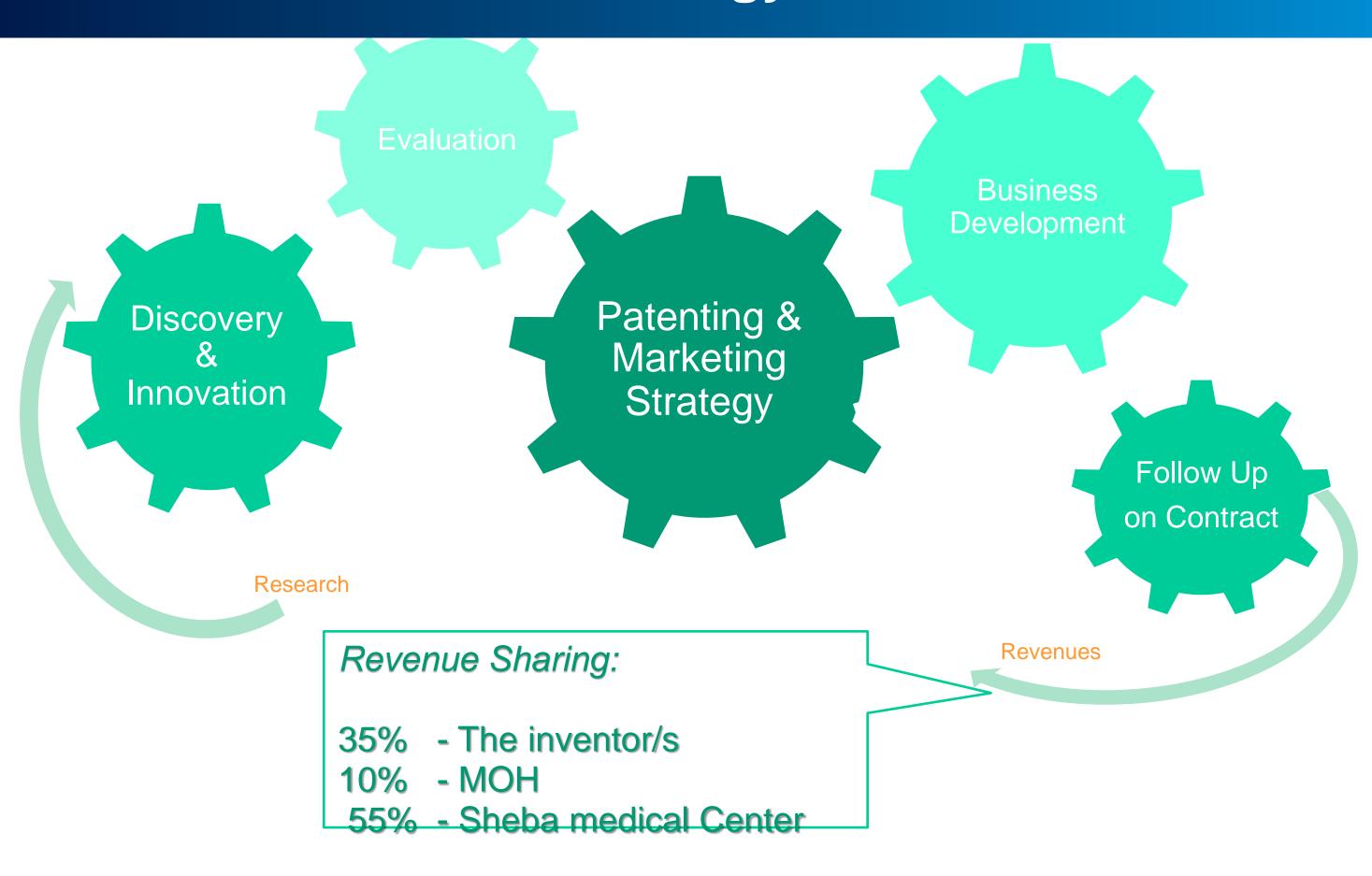
# Translating the discoveries of the future TTO Activities

The Sheba Technology Transfer mission is to bring the benefits of discovery to the world, by implementing the commercialization of Sheba's innovations for the public good by:

- · Encouraging and supporting invention disclosure;
- Encouraging and supporting entrepreneurs;
- Effecting technology development and licensing;
- · Increasing available research funding; and
- Protecting and managing the Sheba's intellectual property



## **The Technology Transfer Process**





## HOW WE DOIT

#### A. Promotional Tools

Researcher Handout, Fact sheets, Publications, Exhibits, conference, Meeting, Internet marketing, Advertising

## **B. Proactive Technology Transfer Tools**

- ✓ Cooperative Research and Development Agreements
- ✓ A Joint Funding Agreement
- ✓ Research Fellowships
- ✓ Internal Funds
- ✓ Patents
- ✓ NDA , MTA, IIA, MOUs, Researcher agreement, Fund Applications
- ✓ Patent Licenses



## HOW WE DOIT

- ✓ Marketing Plan
- ✓ Defining the Target Users and Market:
- ✓ Market surveys Market analysis potential users companies – Competitors – Technology advantages ranking of companies as potential licensees
- ✓ Marketing Strategies Advertising Publicity -
- ✓ Evaluation
- ✓ Marketing plan and sample market search conducted for an invention



## HOW WE DOIT

- Maintain ties with investigators to promote awareness of research developments – Identification
- Maintain industry contacts and awareness of potential commercial applications
- Evaluate new technologies for patentability and commercial potential
- Assess the need for patent rights
- Facilitate the preparation and filing of patent applications



## HOW WE DOIT

- Market inventions to potential licensees
- Negotiate license agreements
- Assist in the creation of start-up companies (if applicable)
- Administer executed license agreements and issued patents
- Licensing Agreement Management
- Activity Reports and follow-up
- Royalty Sharing



## **Evaluation**

## Discuss with inventors

Inventor provides technical expertise

Inventor may also provide industry contacts

Discuss with others

Contact industry experts

## Typical criteria

Invention development status

Inventor profile

Intellectual property position

Commercial potential

Market analysis

Licensing potential



## **Marketing Strategy**

### When do we start?

Waiting for publication

Waiting for data

Individual vs. Portfolio

## Contact companies and provide information

Shotgun vs. Rifle approach

Sources of leads

## Steps

Create marketing content

Create list of potential licensees

Contact potential licensees

Follow-up



## **Key License Terms**

**Financial terms** 

License issue fee

Annual minimum payments

**Earned royalties** 

% of Net Sales

\$ per product sold

Reimbursement of patent costs

**Non-financial terms** 

**Definitions** 

Grant

Development milestones

& diligence provisions

**Prototype** 

**First Commercial Sale** 

Warranties and indemnities

Infringement actions

Dispute resolution



## **Commercialization Approaches**

- Licensing to existing companies (most common)
- Facilitating the creation of start-up companies for Licensing Agreement
   Overview License Agreements
  - Research and Option, Exclusive, Non-exclusive, Co-exclusive
    - \* Terms to monitor include regular submission of progress and/or royalty reports and payment of:
      - Upfront license issue fees
      - Minimum annual royalties
      - Milestone payments
      - Running royalties on product sales



## **Technology Transfer Activities**

Activities	2013-2011	Budget (MIS)
Internal funds	47	1. 72
OCS Program	17	7.2
Research Budget Through Licensing		8.6



## **Technology Transfer Activities**

Application Years	Active Patent portfolio	Option and research and licensing agreement	External leader
2004-2011	64	32	6
2012	15	13	3
2013	31	14	2
**Active	103	<b>59</b>	11

<sup>\*\*</sup>Total patents and Licensed agreements that are active - 54 based patents and 12 based know-how

# Translational Research Powerhouse From Idea to a Product — Sheba Medical Center

- 35% approved peer review Research Grant Approval
- 10 ongoing FP7 Research Program
- Over 630 Helsinki Approval Studies and about 250 studies with the Industries annually
- Over 800 scientific papers published during 2012
- Over 90 patent families including 17 patents with Institute Collaborators
- 59 Research and Licensing Agreements

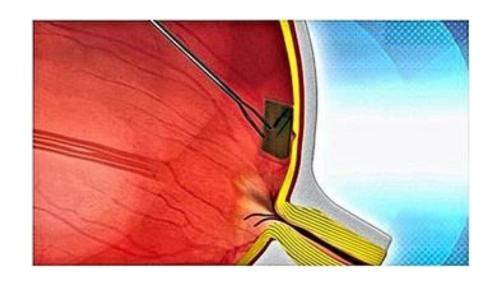
## Collaboration Principle -From Idea to Products Invention development and commercialization

- ✓ Grant Office
- ✓ TTO Company
- ✓ Sharing knowledge
- ✓ Sharing Infrastructures
- ✓ Sharing Risk
- ✓ Sharing Profits



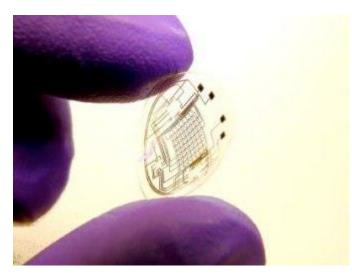


#### Some of Israeli medical Innovations



Nano Retina's <u>Bio-Retina</u>, a tiny implantable device inserted into the retina in a 30-minute procedure, turns into an artificial retina that melds to the neurons in the eye. Activated by special eyeglasses, the device transforms natural light into an electrical impulse that stimulates neurons to send images to the brain. The prototype is advancing quickly through clinical trials.





**Bionic Contact Lens** 



### Some of Israeli medical Innovations





APIFIX SYSTEM TO CORRECT SEVERE CURVATURE OF THE SPINE (SCOLIOSIS) MINIMIZES RISKS, SCAR SIZE, COMPLICATIONS, RECOVERY TIME AND COST .

Argo Medical Technologies' Rewalk robotic exoskeleton.







## Medical Device Opportunity at Sheba

## **Implants**

## Trans apical Aortic Valve Implantation



**Ventor Embracer Valve** 

A self- expanding nitinol stent with three support arms that allows for anatomic orientation of the implanted prosthesis



## Medical Device Opportunity at Sheba

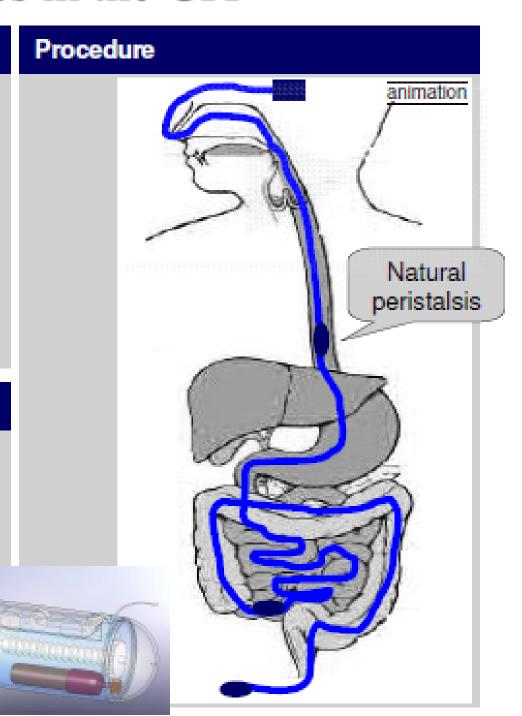
## Guided Medical Devices in the GIT

#### Description

- Revolutionary idea 'wire' GI tract from top to bottom
- 'Guide-wire' enables controlled navigation of RoboPill Capsule within tract:
  - Single inspection of entire GI tract
  - Ability to 'stop and investigate', reverse
  - Potential tissue biopsies / treatment

#### Key impact

- Increase precision and diagnosis accuracy
- Reduce pain and discomfort
- Reduce cost (monetary, time)
- Introduce new drug delivery method
- · Many additional ...





## Medical Device Opportunity at Sheba

- Argo brings mobility ReWalk<sup>TM</sup>, the first viable upright walking assistance tool, enables wheelchair users with lower-limb disabilities to stand, walk, and even climb stairs.
- Utilizing sophisticated algorithms, upper-body motions are analyzed and used to trigger and maintain walk (gait).







## Medical Device Opportunity at Sheba

## **Monitoring & Stimulator Devices**



Medoc Advanced Medical Systems develops, manufactures and markets advanced Pain & Sensory Thermal Stimulators and Quantitative Sensory Testing.





Pathway-Pain & Sensory Evaluation System Algomed-Computerized Pressure Algometer



## Medical Device Opportunity at Sheba

## **Types of Medical-Surgical Robots:**

- Medical and Surgical Aids, Surgical Tele-robots
- Radiation Therapy Robots

## Value Proposition:

- Better therapeutic outcomes
- Better tissue targeting higher precision
- Less invasive procedures smaller access
- Reduced complications

Example: Intuitive's da Vinci® Si Tele-robot

#### Vision

 3D-HD view of the surgical field

#### Dexterity

 Greater range of motion than the human wrist

#### Precision

 Tremor reduction, motion scaling

#### Ergonomics

 Improved positioning & surgeon comfort



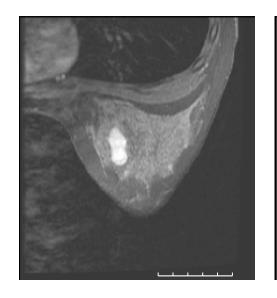


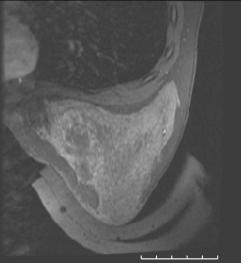
## Medical Device Opportunity at Sheba

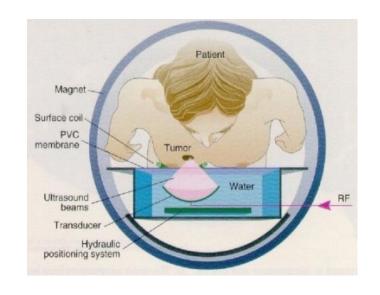


## MR guided focused ultrasound technology

Combines a high intensity focused US beam that heats and destroys targeted tissue, non-invasively and MRI which visualizes patient anatomy, and controls the treatment by continuously monitoring the tissue effect.







65

# Research & Development at Sheba Collaboration with the Industry

**Ani-Biofilm compounds for Cleantech and medical applications HUTCHISON WHAMPOA LIMITED** 

**Novel Therapy for Blindness & Psoriasis NIKKEN SOHONSHA Corporation** 

Production of antibodies to cellular proteins SIGMA-ALDRICH ISRAEL Ltd

Antibodies to treat Melanoma
PONTIFAX and F. HOFFMANN-LA ROCHE Ltd.

**Aortic Valve Implantation** 

**VENTOR-MEDTRONIC** 

Convection-Enhanced Drug Delivery and MRI Monitoring Schering-Plough

Apparatus for guiding medical devices in the GI

I. P. U Industrial, Israel

# Research & Development at Sheba Collaboration with the Industry

High-intensity focused ultrasound InSightec

Antibodies to FRZ 7
Sigma

miRNA for Cancer Diagnostic ROSETTA GENOMICS

**Stem Cell Therapy for Renal Failure**Wolfson Clore Mayer VC

**Novel Papilometer – Field View Analysis ACCUTOME** 



## Some of our Spinoff Companies

Nephrostem – cell therapy to treat renal failure

**CCAM Medical** – novel treatment for melanoma

MitralHeal - transapical mitral valve

Amniotix - spectral analysis of amniotic fluid

Radiologic - Automatic medical imaging analysis

**SpringBiomed** - Electro-optical technologies in Medicine technologies

TopDyn - multiple sclerosis disease management

Orgenesis - cell therapy to treat diabetes

**Sanoculis - NEEDLE CUTTER FOR DRAINAGE OF SOFT TISSUES** 



# THM IP Portfolio Medical Devices

- Monitoring Ablation of Tissues
- **Guiding Medical Devices in the Gastrointestinal Tract**
- Improved Electron Radiotherapy
- Identification of Meconium in Amniotic Fluid
- Novel diagnostic pill for GI applications
- Objective Chromatic Perimetry Analysis Using Pupillometer



## THM IP Portfolio Medical Devices

- METHOD AND DEVICE FOR DETECTION OF ABNORMALITIES OF THE GASTROINTESTINAL TRACT
- Subretinal Injection Device
- Methods and Devices Suitable for Imaging Blood-Containing Tissue
- Transapical Mitral Valve
- Left Atrial Appendage Intra-atrial Clip
- Colostomy Ileostomy Automatic Stapler Device



## **THM IP Portfolio**

# Therapeutics

- Klotho: Tumor suppressor of breast and pancreatic cancers
- Targeting CEACAM1 for Cancer Therapy
- Anti-Cancer Treatment siRNA to STIL
- Somatostatin Analogs Platform for targeting Drugs
- Cardiac Scar Rejuvenation by Chemical Peeling
- Synthetic Peptide For Antiphospholipid Syndrome
- Cancer Treatment with Exendin 4
- Bleeding Treatment by Fibrinogen
- Targeting Multiple Sclerosis Si RNA to specific Target genes
- Specific microRNAs (miRNA) selection for psoriasis treatment
- Novel Target to treat Cancer Stem Cells



## **THM IP Portfolio**

# Diagnostics

- Transcriptional Signatures for Multiple Sclerosis Management
- Gene Signatures for Brain Metastasis Prediction
- Methods and Kits for Determining Predisposition to Warfarin Resistance
- Human Serum markers for Bone Formation and Bone Maladies
- Somatostatin analog for Cancer Diagnosis and Treatment
- Trophoblast Markers for non-invasive Prenatal Diagnosis
- Methyl-Tetrahydrofolate homocystein Methyl Transferase –MTR as a marker for autoimmune diseases
- Klotho Mutations in Breast Cancer



### **THM IP Portfolio**

## Stem Cells

- Stem Cell Therapy for Renal Failure
- Cell Therapy for Diabetes
- Stem Cells for Cardiac Applications
- Recovery of all stem, progenitor and regenerative cells
- Enrichment and Expansion of Human Stem Cells from peripheral blood and umbilical vein cord blood



## **THM IP Portfolio**

# Imaging

- Automatic Analysis of X-rays by "Bag of Visual Words" Algorithm
- Method and System for Monitoring Ablation of Tissues
- BBB Disruption Assessment by MRI

## THM IP Portfolio Biological Tools

- Drug Discovery Platform for MS Drugs
- Methods for Silencing Gene expression
- In vivo Tool to Identify Novel Targets in Health and Disease useful for Drug Screening based on A-I RNA editing
- ERG transgenic mouse a platform for preclinical studies of novel therapeutics
- Immunoassay for Monitoring Patient's Response to Biological Drugs
- Dynamic Contrast MRI for assessment of Blood Brain Barrier
- Convection Enhanced Drug Delivery
- Small Scale Affinity Method for Biomarker Enrichment in Human Serum

# What is Technology Transfer?

Within the context of the academic research environment, technology transfer is the migration of new ideas, discoveries and innovations resulting from scientific research to the commercial sector, principally through patenting and licensing new inventions.

TECHNOLOGY TRANSFORMATION PRODUCT

