

# Intellectual Proper

#### Nick Frollini Assistant Vice President for Technology Tr

#### /erview

- >Introduction Speaker Background Technology Transfer Overvie >What is Intellectual Property ► Patents: A Primer >IP Ownership and Rights The Importance of IP

# beaker Background

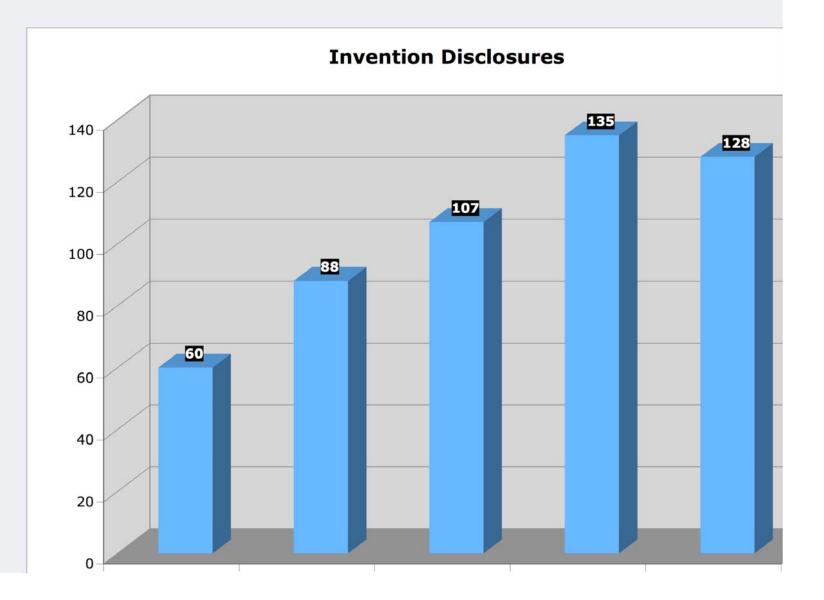
#### Nick Frollini

- Assistant VP for Technology Transfer
- Managing Director, Case Technology Ver
- > Adjunct Lecturer, WSOM
- Joined Case in October 2001
- Trained as an industrial engineer/econor (Carnegie Mellon)
- Past eight years in technology commerc and business creation
  - Redleaf Group, Director, M&A

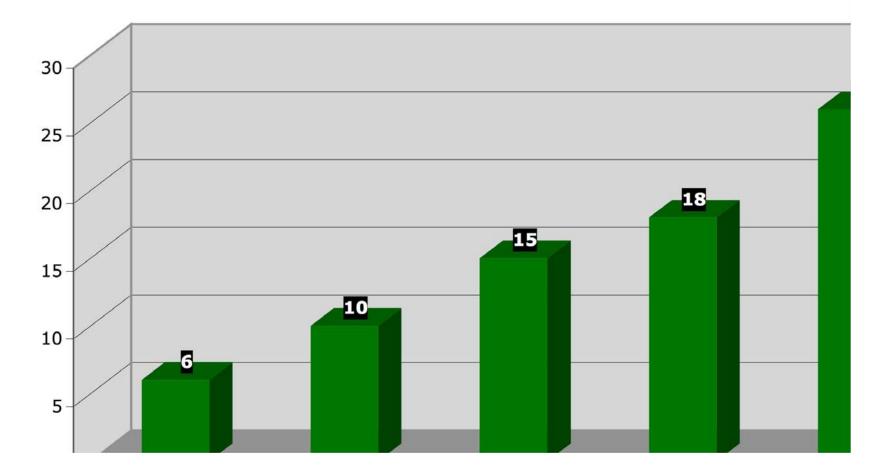
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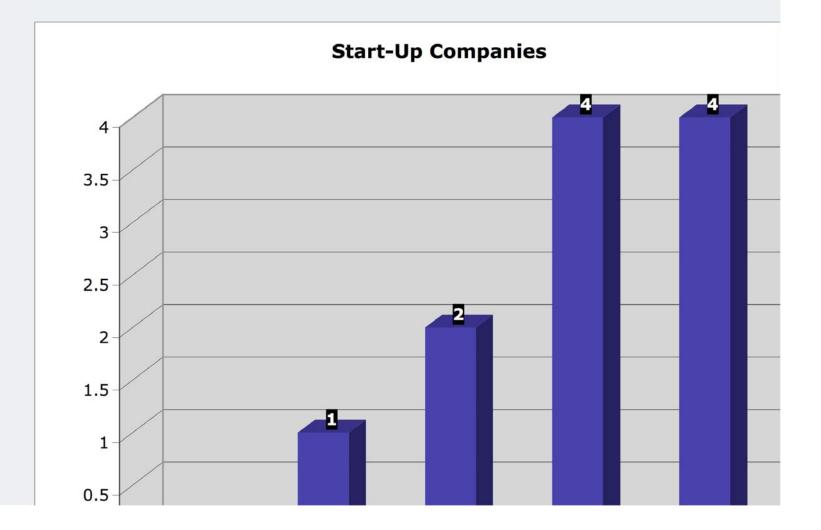
>What is technology transfer?

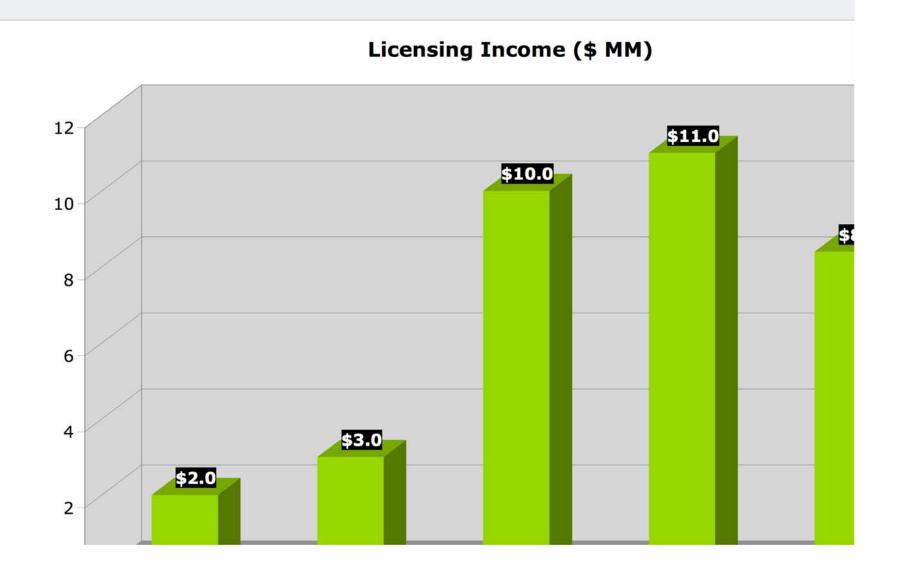
- Process of taking ideas out of tl laboratory and putting them int commercial use.
- ≻How is that done?
  - > Creating new companies.
  - Licensing IP to existing compar



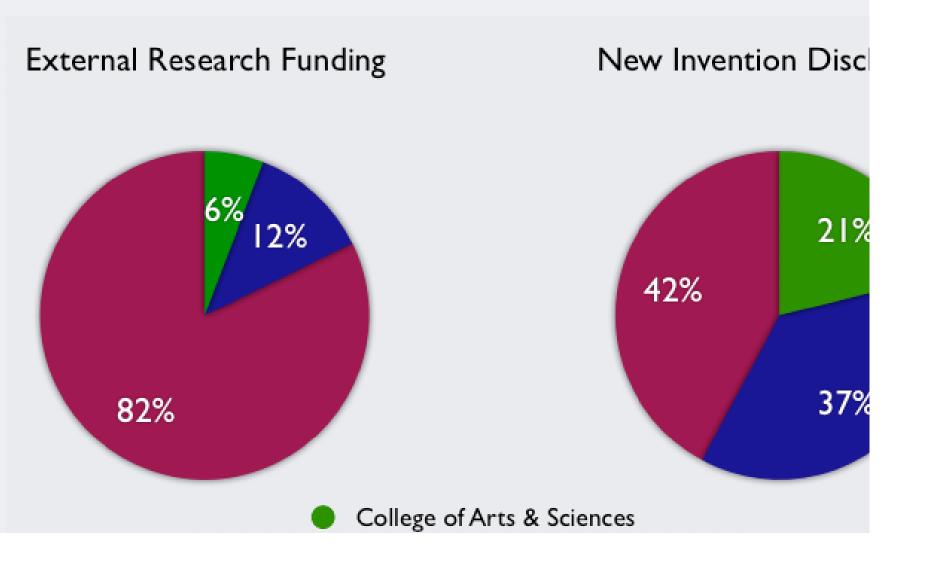
Deals (Licenses, Options, and Related)

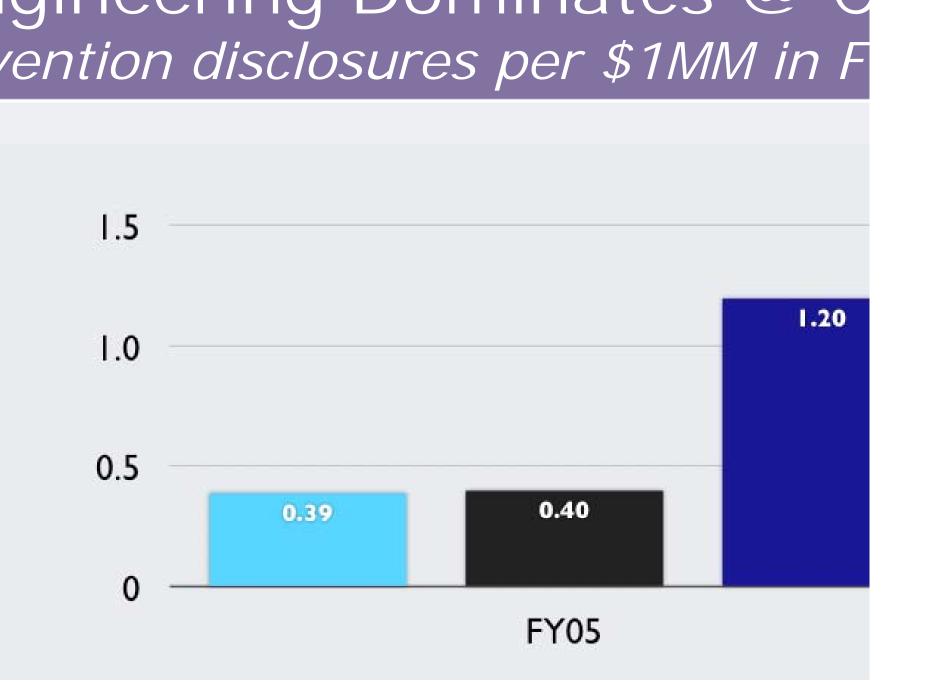




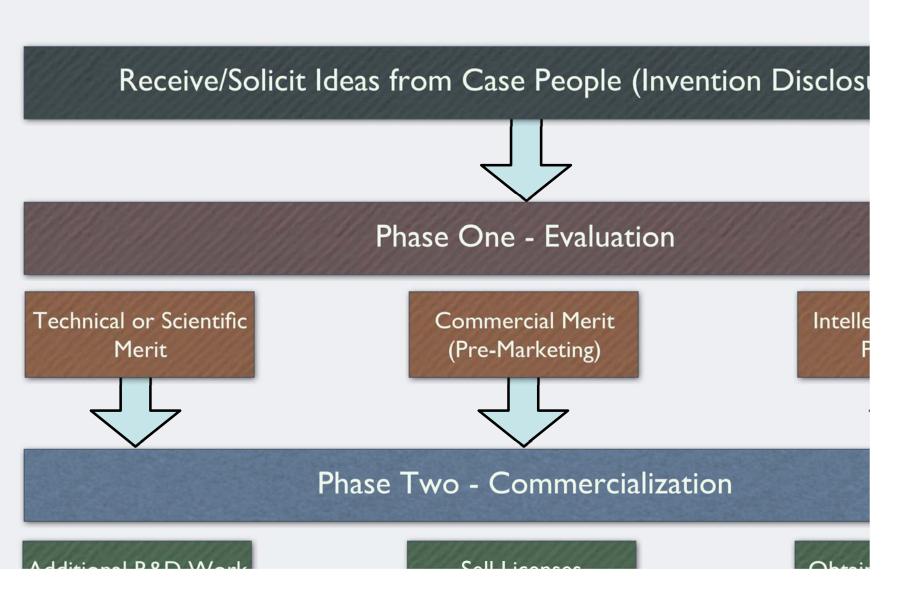


# closures vs. External Funding





#### nat is the Process?



### tellectual Property (IP)

#### We've mentioned it a numbe times, but... what the heck is

# tellectual Property (IP)

- >An intangible asset
  - You can't always see it, touch it taste it, but...
- It may have substantial valu
  You can sell it
  You can assign it
  You can license it

# pes of IP

#### Copyrights

- Written works, including software
- Term: author's life plus 70 years, or 95 years f publication or 120 years from creation
- Trademarks
  - Logos, slogans, etc.
  - > Term: 10 years, renewable
- Trade Secrets
  - Secret company information (the formula for C Term: unlimited
- > Datonte

#### tents: What Are They?

- Contract between the invent and the government
  - > What do you get?
    - A limited monopoly -- you can excl others from making, using, selling, importing the invention
  - What does the government get
    - You must disclose how to make the invention; when the patent expires invention enters the public domain

## hat isn't a patent?

The right to practice an inve
Other patents may 'dominate' y patent

## pes of Patents

# Utility (most common) Design (how something look Plant (yes, a plant)

# hat can be patented?

- Process
- Machine
- Manufacturing process
- Composition of matter
- Business method
- Computer software
- ➤ Organism
- Genetically engineering materials
- Asexually produced plants
- N Trace

#### nat cannot be patented?

- Natural phenomena
- ► Natural laws
- Abstract ideas
- Perpetual motion machines

#### nat constitutes an invention

- Conception (more than just a vague idea)
- Reduction to practice (protot
  Note:
  - In the U.S., the first person to something is entitled to the pat
  - In the rest of the world, the first person to file a patent application optitled to the patent.

# mits on patentability

>You can't obtain a patent if...

- The object sought to be patente already in common use
- It is obvious to one skilled in th
- It was described in a printed publication more than one year the date of application (U.S.)

#### itent Process

- An application (and fees) is filed the US PTO
- An examiner (eventually) review application
- Negotiations/discussions are he the patent application (patent prosecution)
- > A patent may be issued with cla

# Ownership and Rights

- >Who owns your invention?
  - It might not be you if...
    - You are a researcher at a university
    - You work for a company
    - You are a graduate student
    - You are an undergraduate student on a co-op or internship

# Ownership and Rights

- People make money from IP selling, assigning, or licensin rights to that IP in exchange compensation
  - License agreement
    - Patent
    - Copyright (software -- EULAs)
    - Trademark (merchandising)

## ne Importance of IP

#### ➢ Big business...

- Character merchandising alone is a business in the U.S.
- Universities bring in millions from li revenue
  - Ever hear of Gatorade?
- Allows companies to maintain mark positions
  - Amazon's One-Click patent

# itent litigation...

#### ➢Is also a big business...

- SCO suing numerous users of for alleged copyright infringeme
- Eolas sued Microsoft for infrin of a patent related to web brow plug-ins, and was awarded \$52 damages
- Apple vs. Apple The Beatles' r company is suing Apple Compu

# osing and Q&A

- ➤Thanks for your attention...
- I hope this has given you a l bit of insight into IP issues
- ➤We now have time for some questions...