Identify, Assess, Protect, Market, and License

Technology Transfer

Office of Technology Management & Industry Relations
340A Bond Life Sciences Center
(573) 882-6013
The University of Missouri

Our Mission

- Research
  - Creation of knowledge through world-class research
- Teaching
  - Unparalleled instruction to our students
- Service
  - Extension to our public stakeholders: The State of Missouri
- Economic Development
  - Commitment to the vitality and growth of our regional and state economy
What is Technology Transfer?

- Training of students
- Publication of research results
- Exchange of research materials
- Collaboration in sponsored research projects
- Consortia sharing of data
- Consulting by faculty
- Disclosure of faculty inventions leading to patents or copyrights
- Licensing of technology
- Formation of start-up companies
Technology Transfer

The Interface at which we operate

UNIVERSITY
- Knowledge for Knowledge’s Sake
- Teaching
- Research
- Service
- Economic Development
- Academic Freedom
- Open Discourse

INDUSTRY
- Management of Knowledge for Profit
- Profits
- Product R&D
- Confidentiality
- Limited Public Disclosure

Commercialization of New and Useful Technologies
Conception of Idea
• The complete performance of the mental part of the inventive act. All that remains is to convert the idea into reality by reducing it to practice. Both what is to be accomplished and how it is to be accomplished are necessary. Knowledge of a desirable result alone is not enough; nor is a means for an unknown result.

Reduction to Practice
• Creating either actual or constructive proof that the idea actually works, can exist, or the like.

Enablement & Best Mode
• The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.
Invention Disclosure Review

Critical for informed decision making

- Fully Signed and Completed Invention Disclosure Form Received in OTMIR Administrative Office
- Review for funding source and possible deadlines resulting in patent bar
- Bayh-Dole Compliance for federal funding
- Analyze Technology for: Utility, Novelty, and Non-obviousness
- Reduction to Practice
- Enablement
- Analyze Market for: Market Size
- Barriers to Entry
- Competitive Advantage of Technology
- Patent Strategy
- Licensing Strategy
- Marketing Strategy
- Commercialization Strategy
Commercialization Strategy
Factors that drive the decision making process

**Patent Strategy**
- Pending publications that would create a patent bar
- Provisional vs. Non-Provisional
- Foreign Patent Rights
- Shaped by IP Analysis

**Licensing Strategy**
- Exclusive vs. Non-Exclusive
- Established Company vs. Start-Up Company
- Shaped by Market Analysis

**Marketing Strategy**
- Driven by both Patent and License Strategy
- If licensing to Start-up then marketing strategy is driven by necessity to attract financing
MTAs & NDAs
- FY09 - 218 MTAs, 152 NDAs
- FY10 - 260 MTAs, 383 NDAs
- FY11 to date – 168 MTAs & 270 NDAs
  - Avg. time from initial request to execution – 16.5 days
  - Avg. time in OTMIR custody – 2.9 days
Sponsored Research Agreement Review
Other Agreements (IIA, MOU, AOR, etc.)
Marketing University Resources (fee for service, etc.)
Commercialization Events