Increasing Research Funding with Tech Commercialization

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Alternative Sources of Funding

- Corporate sponsored research
- SBIR and STTR grants
- Applied science grants (DOD and Foundation)
Corporate Sponsored Research

• Typically initiated by companies trying to solve specific problems

• Introductions initiated through corporate interactions at conferences
SBIR and STTR Grants

• Small Business Innovation Research

• Small Business Technology Transfer

• Requires a company and research space outside of the university

• $50,000 matching from state programs
Applied Research Grants

• Federal agencies (DOD, NIH, etc.)
• Nonprofit Foundations
Tech Transfer is a Conversation
Case Study

• Initial Invention Intranasal Delivery of TRH
  • For infantile spasms
  • For Traumatic Brain Injury
  • For fast acting antidepressant

• Foundation grant and DOD funded development
Case Study

- Analog microprocessor
  - Method of monitoring nerves
  - All analog processor for audio signals
    - Low power
    - Very fast
- Company formed
  - SBIR awarded
Case Study

- Research in bone growth
  - Multiple patent filed
  - Commercial critique led to DOD funding
- Conversations led to separate SBIR funded startup
Bloomington Colleagues Working on Recently Funded Companies
Why Does this Work?

- Commercial feedback mechanism
- Federal agencies under pressure
- Tests hypothesis for research applicability
- Perseverance Pays!!
Conclusion

• Tech transfer provides commercial feedback

• Feedback positions research for alternative funding
  • Corporate sponsored research
  • SBIR and STTR grants
  • Applied research grants

• Feedback may also lead to new directions for basic research