

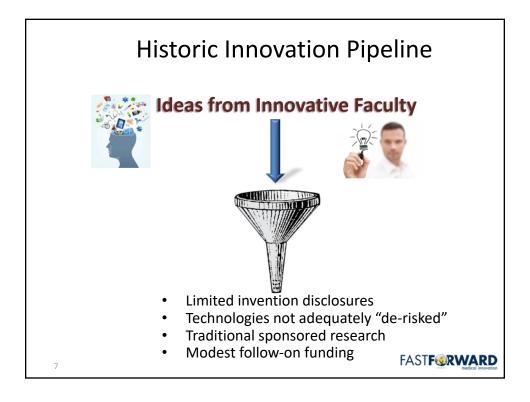
#### **Mitigating Translational Research Risks**

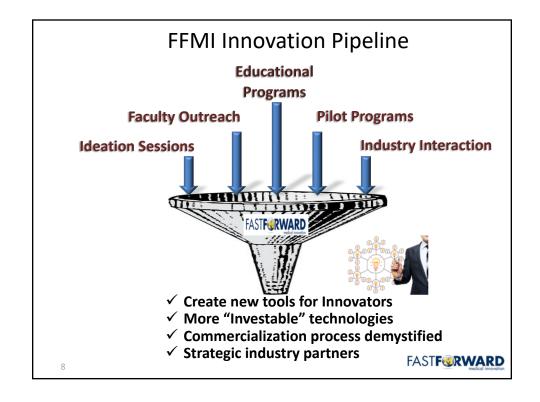
- Confirm efficacy in large animal (or most clinically relevant) model
- · Demonstrate safety of technology
- First-in-man data (therapeutic)
- PK/PD, ADME, bioavailability and therapeutic index (therapeutic)
- Firm understanding of market, and clear business model
- · Commercial manufacturing / Scale-up
- Freedom to Operate / Intellectual Property

2/14/19









# **FFMI Program Mission**

Helping the U-M Biomedical Research Community Move from Idea to Impact



- **1. Expand industry collaborations** by bridging strengths of academia and partners
- 2. Create **translational resources**, including funding and mentorship, to de-risk ideas
- 3. Launch **educational programs** to help learners at all stages

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# FFMI Commercialization Education





- Programs Accelerating
  Commercialization Education
  (PACE)
  - Scaling to national level with CTSA/NCATS relationship
- For faculty, post docs, trainees and students
  - Needs assessment
  - Design thinking
  - Customer discovery
  - Value proposition
  - FDA / regulatory
  - IP
  - Business case

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# Meet learners where they are



- **Short**: One time events (w/CME)
- Long: 4-week fastPACE course (project based)
- Longer: custom programs (7-9 months)
- Different topics and formats
  - Didactic
  - Panels
  - Experiential and interactive

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# FFMI Business Development Team







- · Build collaborations
- Relationship management
- Find new ways to partner (contracts)
- Partner with other units such as OTT, Business Engagement Center, contracting group





**Abbott** 









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### FFMI Funding and Mentorship



- Internal resources to advance biomedical research onto viable commercial paths
- Focus on commercialization and defining key milestones

Not just money: coaching and mentorship key!



# **Specialty Funds**

Therapeutic Innovation



Gastrointestinal Diseases



Sleep Medicine





- Traumatic Brain Injury



- philanthropy, internal funding
- Partnership model
  - Center for Discovery of **New Medicines**
  - Center for Therapeutic Innovation
  - MCIRCC
  - Forbes
  - CVC, UM-CCC
  - Others



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# **Proof of Concept Funds**





- Enhance commercial potential of a technology
- \$25K-\$50K for single milestone (50% cost share)
- Review panel with market expertise including tech transfer office
- · Quarterly reviews and awards
- 8-12 projects funded/year

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### **Late-Stage Translational Funds**







- Co-led by FFMI and U-M Tech Transfer
- Projects with high potential for commercial success (12-24 months from exit)
- Awards range from \$100K-\$250K (50% cost share)
  - 1-year of funds, late-stage translational studies
- Emphasis on commercial de-risking; not for basic R&D

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#### Monroe-Brown Seed Fund







- Pre-seed fund invests in U-M start-ups
  - 1st for U-M
- Collaboration with Engineering's Center for Entrepreneurship
- \$3M philanthropic donation to launch fund

2/214/19



