SMALL PRESENTATION
ON THREE BIG IDEAS

Strategic Planning Retreat 6/2011
ACADEMIC KNOWLEDGE ENTERPRISE: a conceptual model

CONTRIBUTION TO "OPEN" KNOWLEDGE/INSIGHT

HIGH

LOW

TODAY

TIME to APPLICATION/IMPACT

FUTURE
ACADEMIC KNOWLEDGE ENTERPRISE

<table>
<thead>
<tr>
<th>Contribution to &quot;Open&quot; Knowledge/Insight</th>
<th>Today</th>
<th>Future</th>
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<td>Research and development with publication restrictions (classified, corporate)</td>
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<td>TRADITIONAL RESEARCH-INTENSIVE INSTITUTIONS</td>
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ACADEMIC KNOWLEDGE ENTERPRISE

**HIGH**

**Clinical Research**

- Translational Research (Use-inspired)
- Scholarly Publications
- Exhibitions, Shows
- Evidence-based Civic Engagement
- Inquiry-based Learning
- Civic Engagement Learning

**LOW**

Research and development with publication restrictions (classified, corporate)

**TODAY**

**FUTURE**

- Basic Research Curiosity-driven Research...
- Predominantly Undergraduate and Masters Institutions
- Research and development with publication restrictions (classified, corporate)

**TIME to APPLICATION/IMPACT**

Strategic Planning Retreat 6/2011
ACADEMIC KNOWLEDGE ENTERPRISE

WHERE WE WANT TO BE?

- Basic Research
  Curiosity-driven Research
  ...

- Research and development
  with publication restrictions (classified, corporate)

INQUIRY-BASED LEARNING
- Inquiry-based Learning
- Community Service
- Learning

SCHOLARLY PUBLICATIONS
- Scholarly Publications
- Exhibitions, Shows
- Evidence-based Community Service
  ......
BIG IDEA # 1

University as Social Entrepreneur
Autism Public Health Research Institute
ACADEMIC KNOWLEDGE ENTERPRISE

TIME to APPLICATION/IMPACT

TODAY

HIGH

Clinical Research
Translational Research (Use-inspired)
Scholarly Publications
Exhibitions, Shows
Evidence-based
Civic Engagement
......

Inquiry-based Learning
Civic Engagement
Learning

LOW

Research & development with publication restrictions (classified, corporate)

FUTURE

Research & development with publication restrictions (classified, corporate)

Basic Research
Curiosity-driven Research
......

Autism Public Health Research Institute

Strategic Planning Retreat 6/2011
BIG IDEA # 1
University as Social Entrepreneur
Autism Public Health Research Institute

• First national autism center focused on public health science
• Renowned national research leader on autism in public health context
• Strong basic and translational research components – multidisciplinary strategy
• Excellent potential for federal sponsored research funding
• Well-positioned for individual and foundation philanthropy

Motivates examination of Drexel “value” - discovery as “profit center” vis a vis discovery as mission critical value proposition
BIG IDEA # 2

University as National Innovation Engine
Drexel Ventures
ACADEMIC KNOWLEDGE ENTERPRISE

TODAY

- Basic Research
- Inquiry-based Research
- Translational Research
- Scholarly Publications
- Exhibitions, Shows
- Use-inspired Research
- Clinical Research

FUTURE

- Inquiry-based Learning
- Community Service Learning
- Research and development with publication restrictions (classified, corporate)
- Research and development with publication restrictions (classified, corporate)

CONTRIBUTION TO "OPEN" KNOWLEDGE/INSIGHT

LOW

HIGH

TIME to APPLICATION/IMPACT

Drexel Ventures
BIG IDEA # 2
University as Innovation Ecosystem
Drexel Ventures

• Requires creation of new Drexel subsidiary
• Co-locates academic/industry/government R&D teams
• De-risks research outcomes to enhance licensing and commercialization potential
• Actively stimulates, supports and invests in new and existing companies through partnerships with angels and VCs
• Leverages and expands upon co-op program
• Leads to innovations in education – entrepreneurship as core competency
• Corporate and government support with fee

Motivates examination of Drexel “value” - policy position on intellectual property and licensing
BIG IDEA # 3
University as Regional Economic Entrepreneur
Expressive and Creative Interaction Technologies Center
ACADEMIC KNOWLEDGE ENTERPRISE

TIME to APPLICATION/IMPACT

TODAY

LOW

HIGH

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Exhibitions, Shows
Evidence-based
Civic Engagement

Research & development with publication restrictions (classified, corporate)

Inquiry-based Learning
Civic Engagement
Learning

Basic Research
Curiosity-driven Research
...

Expressive and Creative Interaction Technologies Center

Research & development with publication restrictions (classified, corporate)
BIG IDEA # 3
University as Regional Economic Entrepreneur
Expressive and Creative Interaction Technologies Center

• Discovery at the nexus of technology, design, and the creative arts – the multidisciplinary science of the creative economy
• Outcomes promise impact in multiple sectors of the economy
• Unique faculty leadership opportunity
• STEM to STEAM transition permits the rise of the creative class
• Excellent potential for federal and state funding in support of innovation and wealth creation
• Well-positioned for corporate philanthropy

Motivates examination of Drexel “value” - unique combination of ‘research” competencies in new and emerging media, the creative arts and the humanities
VISION, COURAGE, FOLLOW-THROUGH

IMPACT THROUGH THOUGHT LEADERSHIP

– Aligned with academic mission (in service to discovery, learning and service)

– Compelling, socially-relevant visions

– Nationally-renowned, charismatic leaders/leadership teams

– Organizational alignment and support essential – cottage industry approach will fail