



Global Drexel

Strategic Planning Retreat June 3, 2011

What We Already Know...

The Importance of Going Global

- Our greatest challenges today are global – they require global solutions, research, and collaboration.
- Today's workforce needs to think globally; graduates must be prepared to work across communities, countries, and cultures.
- Universities need to attract globally mobile students and scholars to stay competitive and to enrich classrooms with multiple perspectives.

What do we do to
meet this
challenge?

5 Tightly Linked Strategies

- Two strategies that offer new approaches & frameworks for Global Drexel.
- Three strategies that significantly advance our current international efforts, building on the new scaffolding of Global Drexel.

The Five Strategies for Global Drexel

1. Develop Global Research Centers Abroad
2. Create Interdisciplinary, Technology-Enhanced, Global Theme-Courses
3. Support Faculty as Leaders in Globalizing Strategies
4. Facilitate Greater International Learning Opportunities for all Students
5. Celebrate and Leverage International Students and Scholars

1 - Global Research Centers

Create Centers that serve as Platforms for Global Innovation Partnerships:

- International research centers in strategic locations,
- Linked to academic and industry partners,
- Linked to one another through a Network of Centers,
- Linked to global classrooms on Main campus.

Global Research Centers Provide:

- **Platforms**
 - Creating Drexel sites for faculty collaborations; graduate and undergraduate research co-ops and related industry co-ops; professional training; and conferences, lectures, and classes.
- **Collaborative Knowledge Creation**
 - Promoting interdisciplinary, cutting-edge research and education and project-based scholarship with international partners.
- **Practical Growth**
 - Avoiding the enormous costs of infrastructure and staffing required for a global campus; but providing a Drexel presence and “outposts” for seizing opportunities.

Center Models

- **Columbia:** The words “outpost” and “hub” are used to describe the Columbia University model of developing centers as opposed to foreign campuses: <http://globalcenters.columbia.edu/>
 - Columbia has centers in Beijing , Amman , and Paris and is planning to develop an other in Mumbai . The eventual goal is to establish 6-8 of them as part of a network of “regional hubs.”
- **Harvard:** College of Business has 5 Global Centers world-wide; the Shanghai Center partners with Fudan University;
- **University of British Columbia:** UBC used its partnership with the Max Planck Society (research institution in Germany), to create the Max Planck-UBC Center for Quantum Materials;
- **Northwestern:** Center in Istanbul with Bilgi & Sabanci Universities;
- **International Center of Excellence in Fiber Engineering,** Shinshu University, Japan with North Carolina State, University of Manchester, and Hong Kong Polytechnic University.



Drexel Opportunities

Chinese Academy of Sciences (CAS)

A Drexel Center for Global Research and Education at the Shanghai Advanced Research Institute (SARI).

- Located on an area of 1,050,000 square meters at the CAS Pudong Science and Technology Park, this **Drexel Center** could provide a broad platform for research collaboration with different institutes throughout CAS for:
 - Translational research;
 - Access to latest technology and innovation in China;
 - A presence for educational endeavors, internships, and co-ops. As envisioned, SARI/CAS would provide space and infrastructural support for this.
- **SARI** is a comprehensive non-profit research organization jointly established by the Chinese Academy of Sciences (CAS) and the Shanghai Municipal government. The mission of SARI is to promote sustainable economic and social development, interdisciplinary study, and innovation, establishing a Scientific Research and Education Park with "a sound innovation system, a strong professional team and an advanced platform and infrastructure for technology development." www.sari.ac.cn



Opportunities Continued...

Shanghai Jiao Tong University

A Drexel Center for Translational Education and Research,

- Building on our partnership with Med-X, SJTU Medical School and university hospitals, and related partners on campus, in the larger Shanghai community, and SuZhou Nanotech.
 - This center would facilitate interdisciplinary, innovative research and education with graduate students, postdocs, and faculty across both of our universities and promote undergraduate, graduate, and faculty exchanges, symposia, research co-ops, and industry and community outreach.
 - This would increase Drexel's visibility and stature in China, but not require that Drexel acquire new space or make significant outlays in infrastructure. **This project would complement a proposed Center in the CAS Research and Education Park.**
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Emerging Centers in Strategic Locations

- As Drexel builds innovative partnerships globally, we can envision establishing new Centers – on partner university campuses or with partners in health care settings, industrial parks, and design centers.
- Centers grow out of the development of innovation partnerships, which grow out of faculty research collaboration. We see China, Israel, and Turkey as key countries for such partnerships, but also hope to strengthen existing partnerships in Korea and Europe and to explore possible partnerships in India.
- These centers do not necessarily need “space,” as in the example of our Research Hub with Hebrew University, but they do need some basic resources.
- With the development of Centers, we need to think of revenue streams and funding sources to sustain their growth.

2 - Interdisciplinary, Technology-Enhanced Courses Addressing Global Issues

- Development of new interdisciplinary, technology-supported courses that address diverse global issues and link students and faculty with colleagues in partner institutions abroad.
 - Such courses would draw on our international partnerships and, especially, our Global Centers
 - Help facilitate a positive change in campus culture surrounding global opportunities (see strategy #4)



New Interdisciplinary Courses

- They would:
 - Consider the Meaning of Global Citizenship
 - Explore the Global Impact of Local Actions
 - Connect the local and global through themes such as cities; sustainability; water, energy, pandemics, hunger, media, etc.
 - While many schools have attempted some form of this model Carnegie Mellon has done it best (supported by a \$500,000 grant from an alumnus).
 - Other schools promoting this: UBC, USF, College of the Atlantic, Georgia Tech, and schools with EWB.
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3 - Faculty as Global Leaders: Promoting Research & Study Abroad

- Support the development of faculty-led short and full-length courses and programs;
- Encourage faculty to go abroad (ITAs, travel to partner universities/Centers, NSF supplements, etc.);
- Develop incentives to encourage faculty to promote research, study, service, and co-op abroad among students;
- Increase tenure-track faculty in area studies and modern languages.



Faculty Driven Models

- Faculty and staff engagement in increasing student participation in international co-op and study abroad through outreach, curricular change, inclusion in study plans, & major calendar changes (**Northeastern**);
 - Promotion of Faculty led programs, and travel with funding incentives (**University of Wisconsin La Crosse**);
 - Support for interdisciplinary global theme-courses with cross-country elements and virtual and physical travel (**Carnegie Mellon, Georgia Tech**);
 - Encourage faculty to look to Global Centers as research sites (**UBC, Carnegie Mellon, NYU**).
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4 - Increase Available International Experiences & Change the Campus Culture

- Increase opportunities for and interest in International Study, Research, Co-op, and Service:
 - Encourage greater faculty engagement and facilitate faculty-led programs.
 - Continue to create options through partnerships, and exchanges.
 - Use Global Centers to develop more research and industry co-ops abroad.
 - Increase scholarship opportunities for short courses, study abroad, and co-op
 - Make curricular changes to allow some flexibility.
 - Designate terms in study plans for international experiences.
 - Create opportunities for First-year Abroad Programs for high achieving students.
 - Support international service projects (University of Washington, Global Support Project; Tufts).

#5 - Celebrate and Leverage International Students and Scholars

- Promote creative programming that supports international students and scholars and recognizes their diverse contributions to a truly global campus.
- “Internally internationalize” the university through learning and living spaces, workshops, conferences, and other events (UBC).
- Link Drexel students and scholars with international communities in Philadelphia and the region.
- Foster increased dialogue and strengthen relationships with institutions, organizations, and businesses represented by our international students and scholars.
- Work with Communications to brand and market Global Drexel.



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Vice Provost for International Programs

