“Multi-Topic”
Faculty Meeting

April 25, 2014

School of Pharmacy
Graduate Program
Admissions and Update

Maggie Folan
Applicants for 2014 Admission

Criteria = Minimum TOEFL of 94
2013 vs 2014 Applications

Criteria = Minimum TOEFL of 94
2014 Admissions

Number of Applicants

- Offers: 1 NTMS, 7 MS, 5 PhD
- Accepts: 8 NTMS, 6 MS
- Response: 4 NTMS

NTMS, MS, PhD
• Percent Accepted = 25% (26/102)

• Yield = 65% (#deposits/#offers)

• Number of Students projected to matriculate in 2014
  • 10 NTMS
  • 6 MS
  • 4 PhD
Currently Enrolled Students

Of a total of 80 full-time students 37 are paying own tuition.
Projections for FY ’15 Enrollment

<table>
<thead>
<tr>
<th>Program</th>
<th>Full-time</th>
<th>Part-time</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTMS (13)</td>
<td></td>
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<tr>
<td>MS (16)</td>
<td></td>
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<tr>
<td>PhD (55)</td>
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</table>
PharmD Admissions

Sharon Connor
Admissions Committee

- Fran Balog
- Marcia Borelli
- Sharon Connor
- Jim Coons
- Sharon Corey
- Colleen Culley
- Tanya Fabian

- Bobbie Farrah
- Maggie Folan
- Bob Gibbs
- Irene Gathuru
- Mike Mokotoff
- Brian Potoski
- Carolyn Thorpe
## Total Applications

<table>
<thead>
<tr>
<th></th>
<th>Class of 2017</th>
<th>Class of 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Applicants</td>
<td>598</td>
<td>597</td>
</tr>
<tr>
<td>Number of Completed Supplemental Applications</td>
<td>400</td>
<td>394</td>
</tr>
<tr>
<td>Number Interviewed - Open</td>
<td>155</td>
<td>157</td>
</tr>
<tr>
<td>Conditional Acceptances</td>
<td>45</td>
<td>43</td>
</tr>
<tr>
<td>Offers Made</td>
<td>154</td>
<td>143</td>
</tr>
<tr>
<td>Deposits</td>
<td>126 (82%)</td>
<td>119 (83%)</td>
</tr>
<tr>
<td>Declined After Deposit</td>
<td>13</td>
<td>4</td>
</tr>
<tr>
<td>Final Yield</td>
<td>73%</td>
<td>80%</td>
</tr>
<tr>
<td></td>
<td>Class of 2017</td>
<td>Class of 2018</td>
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<tr>
<td>--------------------------------</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>113</td>
<td>115 (deposited)</td>
</tr>
<tr>
<td>- Conditional</td>
<td>45 (40%)</td>
<td>43 (37%)</td>
</tr>
<tr>
<td>- Open</td>
<td>73 (61%)</td>
<td>72 (63%)</td>
</tr>
<tr>
<td><strong># Female</strong></td>
<td>72 (64%)</td>
<td>79 (69%)</td>
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<tr>
<td><strong># Minorities</strong></td>
<td>6 (5%)</td>
<td>6 (5%)</td>
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<tr>
<td><strong># from PA</strong></td>
<td>80 (67%)</td>
<td>83 (72%)</td>
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<tr>
<td><strong># with Degrees</strong></td>
<td>23 (20%)</td>
<td>31 (27%)</td>
</tr>
<tr>
<td><strong>Average GPA</strong></td>
<td>3.6</td>
<td>3.6</td>
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<tr>
<td><strong>Average Science GPA</strong></td>
<td>3.4</td>
<td>3.4</td>
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<tr>
<td><strong>Average PCAT</strong></td>
<td>82%</td>
<td>81%</td>
</tr>
<tr>
<td>Outside Institutions</td>
<td>Class of 2017</td>
<td>Class of 2018</td>
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<tr>
<td>Allegheny College</td>
<td>Penn State</td>
<td>Bethany College</td>
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<td>Case Western Reserve</td>
<td>Point Park</td>
<td>Bucknell</td>
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<td>St. Francis</td>
<td>Case Western</td>
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<td>Goucher College</td>
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<td>Reserve U</td>
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<td>Mount Holyoke</td>
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<td>Harvard</td>
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<td>Niagara</td>
<td>U. of Cincinnati</td>
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<tr>
<td>Ohio State</td>
<td>U. of Florida</td>
<td>Marymount U</td>
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<td>U. of Maryland</td>
<td>Montgomery College</td>
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<td>Ohio State</td>
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<td>Richard Stockton</td>
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<td>College of New Jersey</td>
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<td>SUNY</td>
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<td>Temple</td>
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<td>University of Chicago</td>
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<td>UC – Riverside</td>
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<td>U of Arizona</td>
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<td>U of Michigan</td>
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<td>University of Utah</td>
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<td>Wayne State</td>
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<td></td>
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<td>Wilkes</td>
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Residency Update

Heather Johnson
Results – Student Seeking Residencies

Registered for Match: 39

Submitted Ranks: 35

29 Matched

21 Elsewhere 8 Pitt/UPMC 1 AGH

1 fellowship

1 fellowship

1 residency

1 Resident

1 job
PharmD Respondents - 20

- Applications – 1-13 (9)
- Interviews – 1-11 (5.5) – 70%
- Rank – 1-4 (median – 1)
Results – Residency Programs

2014-15 Residents: 44

Positions Matched: 41

Positions Filled: 44

30 PGY1

14 PGY2

9 Pitt

4 Pitt

6 UPMC
Matched Candidates

First line: Maximum #; Second line: Minimum #; Third line: Average #; Remaining lines: Individual applicants
Phil Empey

Pharmacogenomics
We will **provide students with a personalized education** that will efficiently prepare them to innovate, lead, and identify opportunities to improve health using the clinical and research principles of the pharmaceutical sciences.

We will **build educational opportunities for non-pharmacy students and health care providers** to learn about drugs, drug mechanisms, the use and abuse of medications, therapeutic applications, and the pharmaceutical sciences.

We will **bridge the drug development gap for new therapies** by integrating and expanding our strengths in drug development, drug delivery and biomarker research.

We will **develop a translational pharmacogenomics research program** to utilize patient-specific information as a component of personalized patient care.

We will **impact the lives of the people in the communities in which we live and work** through pharmacists who are health care providers promoting health and wellness, optimizing use of medications, and stemming the misuse, abuse, and diversion of medications.

We will **create a Pharmacy Innovations Lab** that will be the incubator and concept testing environment where multidisciplinary teams come together to address complex problems of medication use.

We will **leverage existing and evolving technologies** to enhance learning, to improve patient care, to enhance research, to engage stakeholders, and to become more efficient.

We will **partner with our stakeholders and communities to develop the resources to advance our mission.**
Pharmacogenomics-guided Care to Improve the Safety and Effectiveness of Medications (PreCISE-Rx)
Objective: To predict of individual patient phenotypes by integrating genomics and clinical variables to improve medication outcomes of the population.

Approach: Phased, standard of care implementation using panel based genotyping to lay scalable foundation for broad clinical impact and research ROI.

Pilot hypothesis: Pharmacogenomics-guided therapy individualization is clinically feasible at Pitt/UPMC; specifically, that CYP2C19 variants are detectable in our patients and that point-of-care interventions can be accomplished
Stakeholder team:

and clinical stakeholders, IRB, DBMI, PMTF, PMTT, medical genetics, pathology

Resource commitments: IPM, CTSI, grants, donors

Progress update on components:

- Clinical
- Testing
- Education
- Informatics
- IRB/Research
- Registry/Bio-banking
PreCISE-Rx: Pitt/UPMC implementation framework

Consent DB/Registry
1. Future clinical use (of currently non-actionable results)
2. EMR linked data for research
3. Sample bio-banking
4. Re-contact

Drug Policy / Knowledgebase
- Clinical implementation team (P&T, clinical stakeholders)
- Local drug use policy development (order sets/pathways)
- Automated genotype-phenotype interpretation/text
- Literature knowledgebase
- Education (provider/patients)
- Reporting program (metrics, analytics, and surveillance)

Genetic data
- Actionable
- non-actionable

Pending results
- Released results
  - Star alleles
  - diplotypes

Genetic Data Storage and diplotype assignment

Drug therapy Outcome
- Drug response phenotyping
  - structured notes
  - additional data collection
  - adherence assessment
  - ROI/cost

PATHWAYS
Pre-emptive
Indication-based
clinical variables
Decision support
structured notes

Drug Policy / Knowledgebase

Enterprise data warehouse

PGx Education resource

Patient Portal

Testing Lab

CLIA PGx Panel Platform

routine validation/update

V3.3, 3/18/14
Noteworthy Student International Work

- 29 students, 30 international rotations
- 4 P3 students to Shanghai in May (Xie, Smith)
- 5 student global travel scholarships (Connor, Jonkman) + 2 with special funding from the Center for Global Health
- 1 Howard Hughes K-RITH research fellowship
- 3 IPSF student exchange program participants
P4 International Rotations

2009-2010: 7
2010-2011: 8
2011-2012: 17
2012-2013: 7
2013-2014: 13
2014-2015: 30

- Philippines
- Other
- China
- Malawi
- London
- Australia
- Honduras
- Dublin
- Palermo
- Honduras
International Policies

• New course fee ($500)
  – International rotation – must register as such with Anna Stracci
  – Mentored international summer experience – must register for IPSE (International Pharmacy Scholarly Experiences)

• Students must register with **study abroad office** for any school-related experience

• Faculty should register with the **travel registry**
“Multi-Topic”
Faculty Meeting

April 25, 2014
School of Pharmacy
The University of Pittsburgh is:

- Aggressively pursuing excellence in undergraduate education
- Building on national prominence in research
- Ensuring cost-effectiveness and efficiency
- Securing an adequate resource base
- Partnering in community development

Abstracted from the Update:

Pitt in the Year 2000: Pursuing Our Full Potential
Statement of Aspiration and Strategic Priorities

February 28, 2014

- Consistently Deliver Excellence in Education
- Make Contributions of Impact through Pioneering Research
- Build Community Strength
- Extend Our Global Reach
- Provide Top Value
- Secure an Adequate Resource Base
SERU Week 5: Participation Rate by School

- Swanson School
- Social Work
- Pharmacy
- Nursing
- Information Sciences
- Education
- SHRS
- Dietrich School
- CGS
- CBA
Salk Pavilion Photos
Construction Progress

Patricia Kroboth
Coffee Shop
Hallway to Conference Room

Hallway View #1
Hallway Looking at Break Area

Hallway View #2
Office
Office View #1
Office

Office View #2
Conference Room

Conference Room View #1
Conference Room

Conference Room View #2
Open Lab

Open Lab View #1
Open Lab

Open Lab View #2
Procedure Room
Break Area
Bridge Looking at Salk Hall
View #1
View of the Commons from Bridge

Bridge View #2
Bridge Looking At Salk Pavilion

Bridge View #3