School of Pharmacy
Faculty Meeting

April 29, 2011
Alternative Ways of Viewing the School

Department of Pharmaceutical Sciences

Medicinal Chemistry & Drug Design
Biochemical & Genetic Pathways in Disease
Pharmacokinetics, Dynamics, ADME & Pharmacology
Drug Formulation & Delivery
Genetic & Environmental Factors in Substance Abuse

Department of Pharmacy & Therapeutics

Acute Care Medicine & Psychiatry
Critical Care & Transplantation
Education and Community Care Innovation
Drug Safety & Disease State Management
Salk Hall, Commons, and Salk Pavilion
Expenditures by Source

- Funds (Thousands)
- Fiscal Year
- '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10

- Sponsored Projects
- Endowments & Gifts
- UPMC
- CE
- University

Diagram showing the annual expenditure trends for different sources from fiscal year 2000 to 2010.
Total Budget

- University
- Gifts and Endowments
- Sponsored Projects
- UPMC HS

$7.3 Million
Allocation of University and UPMC budget funds

- 87% Personnel expenses
- Operating expenses
Tuition less Financial Aid = Net tuition
Net tuition less the required University set base = Amount over base
Amount over base x 65% = SOP allocation of tuition dollars
Allocation of tuition income that exceeds the base amount

- SOP allocation
- University allocation

65%
FY10 = $1,162,501
# PAGE (Progress At a Glance)

**National Leader in Education**

<table>
<thead>
<tr>
<th>Measure</th>
<th>Target</th>
<th>FY02</th>
<th>FY06</th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First-Time Pass Rate NAPLEX</strong></td>
<td>&gt;95%</td>
<td>96.4%</td>
<td>90.1%</td>
<td>96.7%</td>
<td>99.0%</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Peer Review Publications (Education)</strong></td>
<td>5</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>7</td>
<td></td>
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Center for Clinical Pharmaceutical Sciences
Clinical Pharmaceutical Sciences Sign and Website

- Sign

  ![Sign](image)

  **Center for Clinical Pharmaceutical Sciences**
  
  **SCHOOL OF PHARMACY**

- Phil Empey
Area of Concentration in Research

- Tom Nolin, Phil Empey, and Kerry Empey
- Goal: Introduce PharmD students to the basic elements of clinical and translational research
- Minimum of 15 credits: minimum 6 didactic credits and 1 or 2 rotations
- Pending approval by the Provosts Office
Small Molecule Biomarker Core

- Focused on the use of liquid chromatography-mass spectrometry
- Initiated in 2009 with instrumentation provided by a successful S10 grant from NCRR at the NIH
- Partially subsidized by the Clinical and Translational Science Award (CTSA)
SMBC Instrumentation

Waters Acquity Ultra-Pressure Liquid Chromatography (UPLC)
ThermoFisher Scientific Triple Quadrupole Mass Spectrometer
SMBC UPLC/MS/MS

- Short run times per sample (<6 min)
- High degree of selectivity and sensitivity
- Small molecules only (< 1500 molecular weight)
- Not for pathway discovery or metabolomics
Assays Established to Date

- Endocrine Panels (including estradiol, estrone, testosterone and androstenedione)
- 25-hydroxy Vitamin D$_1$ and D$_2$
- Arachidonic Acid Panels
- Nicotine and Cotinine analysis
- ADMA Analysis
- Adenosine Pathway (cAMP)
- Cytochrome P450 Probes
- Multiple Drug and Metabolite Concentrations
“The Rest of the Story”
Graduate Program
SP: Increase impact of program

First CSA Students
AFPE Fellowship
GEAR-UP First Year
Change in Structure of Student Support
Reduced Tuition

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

Graduate Program Council Chartered
Creation of CSA Program

More AFPE Fellowships
First DOD Award
Restructured Credits
Creation of AAPS Student Chapter

First Awards Banquet
Randy & Renee Juhl Award
Four New Faculty

First PharmD/PhD Student
New Faculty
Major Investment by School in Student Support
Creation of Assessment Plan w/Competencies
Collaboration with CTSI

First Graduate Student/Post-Doc Retreat
Creation of Pre-Doctoral Fellowships
CSPS curricular map

Second NRSA Award
Norman & Priscilla Farnsworth award
Horowitz Award
TA Award
New Faculty
Decision to Formalize/Expand Masters Program

Third NRSA Award
Online Paperless Application
Largest number of admissions

Revised Web Site
Updated Guidelines
First NRSA Award
Creation of GSE Award
GPC Travel Awards
New Faculty

Creation of PharmD/PhD Track-In Program
Reorganization into Tracks
New Faculty

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Citizenship of Scholarship Students

Non-US | US

2009

2010

2011
Where have they gone?
“The Rest of the Story”
Residency Program
Residency Program......

1st Resident - Oncology

1991

Accreditation:
Pharmacy Practice
Critical Care
Drug Info


VAMC

1998

AmCare

1999

Toxicology


Nephrology

Geriatrics

Managed Care

AmCare

Managed Care
The rest of the story…

- Residency Research Program
- Accreditation: ID Management
- Teaching Mastery Program
- Transplant
- 1st Community Resident – Rite Aid
- Residency Council Chartered

Accreditation: Am Care Cardiology
1st Residency Research Book
St. Margaret
1st Community Resident – Rite Aid
Forbes Pharmacy
CVS Caremark
Blackburns Pharmacy
Student Video

http://www.youtube.com/watch?v=kLkkpidvzRo&feature=fvsr