Study Abroad / Exchange Program

GLOBAL PHARMACY EDUCATION PROGRAMS
David E. Zimmerman, PharmD, BCPS

- PharmD-Philadelphia College of Pharmacy
  Philadelphia, PA USA

- PGY1 Residency- The Johns Hopkins Hospital
  Baltimore, MD USA

- PGY2 Emergency Medicine- Maimonides Hospital
  Brooklyn, NY USA
David E. Zimmerman, PharmD, BCPS

• Research Focus:
  – Drug dosing in obesity
  – Emergency medicine pharmacy services
Role of the EM Pharmacist

• Clinical consultant
• Resuscitation team member
  – Trauma
  – Cardiac arrest
  – Stroke
• Verify orders/Distribution/prepare meds in ED
• Medication safety
• Committee involvement
Role of the EM Pharmacist
Role of the EM Pharmacist
Role of the EM Pharmacist
Branden D. Nemecek, PharmD, BCPS

- BS- Biochemistry – University of Nebraska- Lincoln

- PharmD-Nebraska Medical Center
  Omaha, NE USA

- PGY1 Residency- Medical University of South Carolina
  Charleston, SC USA

- PGY2 Internal Medicine- Medical University of South Carolina
  Charleston, SC USA
Branden D. Nemecek, PharmD, BCPS

• Research Focus:
  – Drug dosing in patients with renal dysfunction
    • Editor agreement signed with ASHP Publications to produce “Demystifying Drug Dosing in Patients with Renal Disease”
  – Outcomes research in patients with liver cirrhosis
    • Grant funded research – initial funding of $9,000
Role of the Medicine Pharmacist

• **Interdisciplinary Rounding Team Member**
  – Physicians
  – Medical Students
  – Pharmacy
  – Physician Assistants

• **Therapy Management**

• **Medical Education**
  – Nephrology Team
  – Medicine Teams
Role of the Medicine Pharmacist
Partnerships in Global Pharmacy Education – The Duquesne Experience.

- **CO-OPERATION**
  - OF BOTH UNIVERSITIES

- **COMMUNICATION**
  - KEEPING LINES OF COMMUNICATION OPEN

- **CONSIDERATION**
  - OF CULTURAL DIFFERENCES AND NEEDS OF THE PROGRAM
Partnerships in Global Pharmacy Education – The Duquesne Experience.

ENHANCE PHARMACY EDUCATION

MUTUAL BENEFITS

ASSESSMENT OF NEEDS
Partnerships in Global Pharmacy Education – The Duquesne Experience.

- **FACULTY RESEARCH AND SCHOLARSHIP**
- **STUDENTS BECOME AWARE OF HEALTH CARE IN THAT COUNTRY**
- **STUDENTS UNDERSTAND THE CULTURAL DIFFERENCES AMONG PATIENT POPULATIONS**
Partnerships in Global Pharmacy Education –
The Duquesne Experience
SIFO – DUQUESNE UNIVERSITY
CLINICAL PHARMACY
EXPERIENCE IN U.S.A.
THE PROGRAM

DIDACTIC

• Hospital Pharmacy in US – Overview
• Inter-professional Communication
• Drug Information Services
• Patient Terminology – Patient Charts
• Development of Pharmacy Care Plans
• Healthcare Business Models
• Experiential Education Competencies
THE PROGRAM

PRACTICUM

• Introductory Pharmacy Practice Experiences
• Automation and Technology (CPOE, EHR, PHR)
• Drug Literature Evaluation
• Patient Terminology – Patient Charts
• Development of Pharmacy Care Plans
• Healthcare Business Models
• Experiential Education Competencies
THE PROGRAM

PRACTICUM – Ambulatory Care Settings

• Center for Pharmacy Care
• Center for Pharmacy Services (Duquesne University Community Pharmacy)
• Catholic Charities Free Health Care Center
THE PROGRAM

PRACTICUM – Acute Care, Critical Care, Internal Medicine

• UPMC – Mercy Hospital
• UPMC – Shadyside Hospital

Cardiology, Infectious Disease, Oncology, Emergency Department, Transplant Center
THE PROGRAM

Future Directions

• Goal of semi-annual or annual cohorts
• Online courses prior to visit to maximize time at Duquesne
• Project development while at Duquesne to implement at home institution
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<tr>
<th>Year</th>
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<tbody>
<tr>
<td>2011</td>
<td>Francesco Cattel, Torino</td>
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<tr>
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<td>Stefano Bianchi, Ferrara</td>
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<td>Daniela Scala, Napoli</td>
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<td>Elena Galfracoli, Milano</td>
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<td>Year</td>
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<td>2014</td>
<td>Antonio Ferretti, Parma</td>
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<td>Chiara Alberti, Verona</td>
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<td>Sonia Venezia, Reggio Emilia</td>
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<td>Silvia Vecchio, Pavia</td>
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<tr>
<td></td>
<td>Francesca Franacavilla, Andria (BT)</td>
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STUDENTS FROM ITALY VISIT DUQUESNE TO EXPLORE PHARMACY IN AMERICA