

**Application**  
**Summer 2010 Pharmaceutical Sciences Research Program**  
**Department of Pharmaceutical Sciences**  
**College of Pharmacy University of Kentucky**

*Selection for the program is based on: a complete application, reference letters, transcripts, statement of career goal and academic standing.*

The program will start in late May and extend until late July. Students will present a poster describing their project at the end of the program. Stipend will be a total of \$3000.

**Part I. General Information**

Please print or type

Name: \_\_\_\_\_

College or University Currently Attending: \_\_\_\_\_

Major: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

e-mail address: \_\_\_\_\_

**Part II. Academic Information**

1. Current academic classification (sophomore or junior for traditional undergraduate student, 1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup> professional year for Pharm.D. students) \_\_\_\_\_.

2. Current GPA: \_\_\_\_\_ *Please attach a copy (or photocopy) of your academic transcripts*

3. List any academic awards and honors (i.e., Dean's List, scholarships)

**Part III. Recommendation Letters**

Please arrange for **two** faculty members who are acquainted with your academic performance to fill out the form below and/or provide a letter of recommendation. They should **mail the form directly to the address at the bottom of the form.**

**Part IV. Specific Information**

*Please answer the following questions in detail. Attach additional pages if needed.*

1. Describe any previous research or laboratory experiences you may have had.

2. Describe your long-term career goals and how spending the summer doing research may help you attain those goals.

3. Identify the two fields of pharmaceutical sciences you are most interested in exploring during the Summer 2008 Research Program. Mark your first choice as #1 and your second choice as #2. Follow the Web Links to learn more about the faculty who do research in these areas.

### **Drug Discovery and Design**

[http://pharmacy.mc.uky.edu/research/drug\\_discovery.php](http://pharmacy.mc.uky.edu/research/drug_discovery.php)

- \_\_\_\_\_ [Cell Biology](#)
- \_\_\_\_\_ [Chemical Biology](#)
- \_\_\_\_\_ [Computational Chemistry](#)
- \_\_\_\_\_ [Medicinal Chemistry](#)
- \_\_\_\_\_ [Molecular Biology](#)
- \_\_\_\_\_ [Molecular, Cellular, Integrative Pharmacology](#)
- \_\_\_\_\_ [Natural Product Chemistry](#)
- \_\_\_\_\_ [Structure-based Drug Design](#)

### **Drug Development**

[http://pharmacy.mc.uky.edu/research/drug\\_development.php](http://pharmacy.mc.uky.edu/research/drug_development.php)

- \_\_\_\_\_ [Analytical Chemistry](#)
- \_\_\_\_\_ [Clinical Research](#)
- \_\_\_\_\_ [Drug Delivery/Pharmaceutics](#)
- \_\_\_\_\_ [Drug Metabolism/Pharmaco-kinetics/-dynamics](#)
- \_\_\_\_\_ [Formulations and Process Analytical Technology](#)
- \_\_\_\_\_ [Materials Sciences](#)
- \_\_\_\_\_ [Pharmacogenomics](#)
- \_\_\_\_\_ [Transporters](#)
- \_\_\_\_\_ [Toxicology](#)

### **Clinical and Experimental Therapeutics**

<http://pharmacy.mc.uky.edu/research/therapeutic.php>

- \_\_\_\_\_ [Cancer/Oncology](#)
- \_\_\_\_\_ [Cardiovascular Disease](#)
- \_\_\_\_\_ [Infectious Disease](#)
- \_\_\_\_\_ [Neurodegenerative Disease](#)
- \_\_\_\_\_ [Substance Abuse](#)
- \_\_\_\_\_ [Pediatrics](#)

**Part V. Return this application form and all materials to:**

Ms. Catina Rossoll  
Summer Research Program Coordinator  
725 Rose St. Room 409 College of Pharmacy Building  
University of Kentucky  
Lexington, KY 40536-0082

859-257-1998  
[cross2@email.uky.edu](mailto:cross2@email.uky.edu)

**DEADLINE FOR APPLICATION: \_\_February 19, 2010\_\_**

**NOTIFICATION OF ACCEPTANCE: \_\_mid-March 2010\_\_**

*The University of Kentucky is an Equal Opportunity/Affirmative Action Employer. Applications are invited from all qualified people regardless of race, sex, or age; minorities are especially encouraged to apply.*

**University of Kentucky College of Pharmacy  
Recommendation Form  
Summer 2010 Research Program in Pharmaceutical Sciences**

Please return directly to:

Ms. Catina Rossoll, Summer Research Program Coordinator  
Pharmacy Graduate Studies Office, Room 409 College of Pharmacy Building  
University of Kentucky, Lexington, KY 40536-0082

859 257-1998, cross2@email.uky.edu

**A. To be completed by applicant before giving this form to person writing recommendation.**

Name of Applicant: \_\_\_\_\_

Person Providing Recommendation: \_\_\_\_\_

Title: \_\_\_\_\_

Institution/Employer \_\_\_\_\_

The Family Educational and Privacy Act of 1974 gives the student the right to inspect letters of recommendation written in support of applications for admission or fellowship. The law also permits students to waive that right if they choose, although such a waiver cannot be a condition of admission or award.

**Please sign one (and only one) of the two statements below:**

I hereby waive any right to inspect  
this recommendation

If admitted to the Summer 2009 program, I  
reserve the right to inspect the recommendation  
submitted by the person to whom this form is being  
given.

\_\_\_\_\_  
Applicant Signature                      Date

\_\_\_\_\_  
Applicant Signature                      Date

**B. To be completed by the person providing the recommendation.**

1. I have known the applicant for approximately \_\_\_\_\_ (months/years).

2. My relationship with the applicant was (is) \_\_\_\_\_  
\_\_\_\_\_ Faculty advisor  
\_\_\_\_\_ Course instructor  
\_\_\_\_\_ Employer  
\_\_\_\_\_ Other (specify)

3. I know the applicant \_\_\_\_\_ Very well  
\_\_\_\_\_ Fairly well  
\_\_\_\_\_ Only casually

Please rank the candidate in the following categories, in comparison to his/her contemporaries:

	<b>Poor</b> 0-50%	<b>Fair</b> 50-70%	<b>Average</b> 70-80%	<b>Very Good</b> 80-90%	<b>Outstanding</b> 90-100%	<b>Insufficient Knowledge</b>
<b>Communication Skills</b>	*	*	*	*	*	*
Writing skills in English						
Oral skills in English						
<b>Background Knowledge</b>	*	*	*	*	*	*
Overall academic ability						
Knowledge in physiology and/or pharmacology						
Knowledge in chemistry and/or biochemistry						
<b>Knowledge Application</b>	*	*	*	*	*	*
Laboratory skills						
Application of knowledge						
Originality and resourcefulness						
<b>Professional Skills</b>	*	*	*	*	*	*
Motivation						
Enthusiasm for science						
Perseverance						
Organizational skills						
Integrity						
Ability to work independently						
Ability to work with others						

What are the major strengths of the candidate in terms of ability or character that would be predictive of success in the Summer 2010 Pharmaceutical Sciences Research Program? *A letter, on institution letterhead, can be included.*

\_\_\_\_\_  
Signature of person  
providing recommendation

\_\_\_\_\_  
Date