



## National Directors of Graduate Studies in Pharmacology and Physiology

**MEETING DATES: July 10-12, 2015**

**Registration** deadline: July 1, 2015

**Travel Award** application deadline: July 1, 2015

**NDOGS** is a biennial meeting that is a forum for exchanging information among those training graduate students in the disciplines of Pharmacology and Physiology. As a collaboration between [the American Society for Pharmacology and Experimental Therapeutics \(ASPET\)](#) and [the American Physiological Society \(APS\)](#), the meeting has broad participation among colleagues with a common cause and similar challenges.

**Meeting website link** - <http://www.the-aps.org/ndogs2015>.

**Meeting Location** - The 2015 NDOGS Meeting will take place on the campus of the [University of Cincinnati](#), mostly at the [Vontz Center for Molecular Studies](#) at 3125 Eden Avenue. The Vontz is conveniently located less than 5 minutes walking distance from the conference hotel.

**An Evening at the Cincinnati Zoo** - An optional Saturday dinner and evening event at the [Cincinnati Zoo](#) (in walking distance from UC campus and the hotel) being provided free for meeting attendees. Included are zoo admission, a 'wild encounter' with zoo animals, appetizers, little Italy buffet dinner, soft drinks/coffee/iced tea, and a cash bar. You are welcome to attend with any family or friends that join you in Cincinnati for an additional cost of \$55/extra guest. Event begins at 7pm but all must enter before 8pm.

**Attending with Guests (Family, Friends, etc.)** - There is no separate meeting registration for guests, but we would be happy to welcome them to join us at the Friday meeting banquet for an additional cost of \$35 per person, and join the group for our Saturday Zoo event (\$55 per person).

### For general questions:

Pharmacology - Ms. Nancy Thyberg, 513-558-2333, [nancy.thyberg@uc.edu](mailto:nancy.thyberg@uc.edu)

Physiology - Ms. Jeannie Cummins, 513-558-3102, [jeannie.cummins@uc.edu](mailto:jeannie.cummins@uc.edu)

### For questions regarding the meeting program:

Dr. Chip Montrose, 513-556-4336, [montromh@ucmail.uc.edu](mailto:montromh@ucmail.uc.edu)

### Sponsored by:



**2015 NDOGS Meeting Program**  
***Pharmacology-Physiology Pipelines: Pressures, Leaks, and Output***

---

**Friday, July 10, 2015**

***Vontz Center for Molecular Studies***

Noon-6:00pm

*Vontz - Atrium*

*Check-in for registered participants*

1:45-2:00pm

*Vontz - Rieveschl Auditorium*

Welcome:

*Chip Montrose, Meeting Chair & Dean of Graduate School*

*Bill Ball, Dean of the College of Medicine*

*Robert Highsmith, Chair of Pharmacology Department and  
Physiology Department*

***Enhancing the professional pipeline***

***Session Moderator – Chip Montrose***

2:00-3:00pm

*Vontz - Rieveschl Auditorium*

Opening Plenary – What actually works to build and sustain diversity among scientific professionals?

*David Asai, Senior Director, Undergraduate and Graduate Programs, Howard Hughes Medical Institute*

3:00-3:45pm

*Vontz - Rieveschl Auditorium*

Global diversification of graduate education:

*Jason Blackard, Director, Office of Global Health, University of Cincinnati*

3:45-4:00pm

*Coffee Break*

4:00-4:45pm

*Vontz - Rieveschl Auditorium*

Open Discussion – Developing relationships and skills for multidisciplinary discovery and applied research:

*Yana Zavros, University of Cincinnati – Systems Biology Training Grant*

*Sander Vinks, University of Cincinnati/Cincinnati*

*Children's Hospital Medical Center – Linking Clinical Pharmacology to Basic Science Training*

4:45-5:30pm

*Vontz - Rieveschl Auditorium*

Open Discussion – Tracking student progress before and after graduation:

*Chip Montrose, University of Cincinnati – Individual Development Plans (IDPs) followed by discussion about new ideas and best practices.*

5:30-6:30pm

*Break*

***Cincinnati Children's Hospital Medical Center***

6:30-8:30pm

*CCHMC – Building D  
Sabin Auditorium*

Meeting Banquet and After Dinner Talk – Big data can reveal the economic imprint of graduate education and PhD career pathways:

*Bruce Weinberg, Ohio State University*

**2015 NDOGS Meeting Program**  
*Pharmacology-Physiology Pipelines: Pressures, Leaks, and Output*

---

**Saturday, July 11, 2015**

*Vontz Center for Molecular Studies*

**Fitting training to emerging needs**

**Session Moderators – John Maggio/Robert Rapoport**

8:30-8:50am <i>Vontz - Rieveschl Auditorium</i>	How the NIH BEST grants approach training for alternate careers: <i>Joey Barnett, Vanderbilt University</i>
8:50-9:30am <i>Vontz - Rieveschl Auditorium</i>	Life outside academia – How does training need to change for non-academic careers? <i>Mary Jeanne Kallman, Global Director Nonclinical Neuroscience-Covance Laboratories</i> <i>Ruth Stevens, Camargo Pharmaceutical Services</i> <i>Ray Takigiku, CEO-Bexion</i>
9:30-10:00am <i>Vontz - Rieveschl Auditorium</i>	Ask the panel – Is my university strategy a good route to train for alternate careers? <i>Panel of Joey Barnett, Vanderbilt University and industry representatives</i>
10:00-10:45am	<i>Coffee Break</i>
10:45-11:30am <i>Vontz - Rieveschl Auditorium</i>	Common understanding for PhD training: The ORPHEUS perspective <i>Michael Mulvany, ORPHEUS (Organisation for PhD Education in Biomedicine and Health Sciences in the European System <a href="http://www.orpheus-med.org">www.orpheus-med.org</a>)</i>
11:30-12:15pm <i>Vontz - Rieveschl Auditorium</i>	Vision and Change in undergraduate biological sciences – AAAS/NSF initiative ( <a href="http://visionandchange.org">visionandchange.org</a> ) that affects the training of our incoming students: <i>Tom Pressley, Texas Tech University</i>

*Medical Sciences Building & CARE/Crawley Building*

12:30-1:30pm <i>CARE/Kaplan - Atrium (Subway Area)</i>	<i>Lunch</i>
---	--------------

**Session Moderator – Jo El Schultz**

1:30-2:30pm <i>MSB - E351</i>	Panel discussion – National expansion of revenue driven degrees; a new balancing act: <i>William F. Jackson, Michigan State University</i> <i>John Lorenz, Physiology, University of Cincinnati</i> <i>John Maggio, Pharmacology, University of Cincinnati</i>
----------------------------------	---

**2015 NDOGS Meeting Program**  
***Pharmacology-Physiology Pipelines: Pressures, Leaks, and Output***

---

**Saturday, July 11, 2015 (continued)**

- |  |  |
|--|--|
| <p>2:30-4:00pm<br/><i>CARE/Kaplan - Atrium (Subway Area)</i></p> <p>4:00-6:00pm<br/><i>CARE/Kaplan - Main Atrium</i></p> <p>7:00-10:30pm</p> | <p>Small group discussions:<br/><i>Topics to be decided based on discussion hot points earlier in the meeting.</i></p> <p>Graduate student poster session with beer/wine/cheese</p> <p>Dinner on your own or join dinner event at <a href="#"><u>Cincinnati Zoo</u></a></p> <ul style="list-style-type: none"><li>• <i>Must enter before 8pm</i></li><li>• <i>Parking included with admission (see attached map)</i></li><li>• <i>Walking distance from campus/hotel</i></li></ul> |
|--|--|

**Sunday, July 12 2015**

***Vontz Center for Molecular Studies***

**Session Moderator – Yana Zavros**

- |   |   |
|---|---|
| <p>8:30-11:30am<br/><i>Vontz - Rieveschl Auditorium</i></p> | <p>Workshop on NIH Training Grants<br/><i>John Laffan, NIH</i><br/><i>Panel of Training Grant Pls (Joey Barnett, David Port, Yana Zavros)</i></p> |
|---|---|

*NDOGS 2015 Meeting Organizers at the University of Cincinnati:*

*Department of Molecular and Cellular Physiology*

Christian Hong, PhD  
Marshall Montrose, PhD  
Yana Zavros, PhD  
Jeannie Cummins

*Department of Pharmacology and Cell Biophysics*

Guo-Chang Fan, PhD  
Ronald Millard, PhD  
Robert Rapoport, PhD  
Jo El Schultz, PhD  
Nancy Thyberg

*Pediatrics Division of Clinical Pharmacology*

Sander Vinks, PharmD, PhD, FCP

# 2014-2015

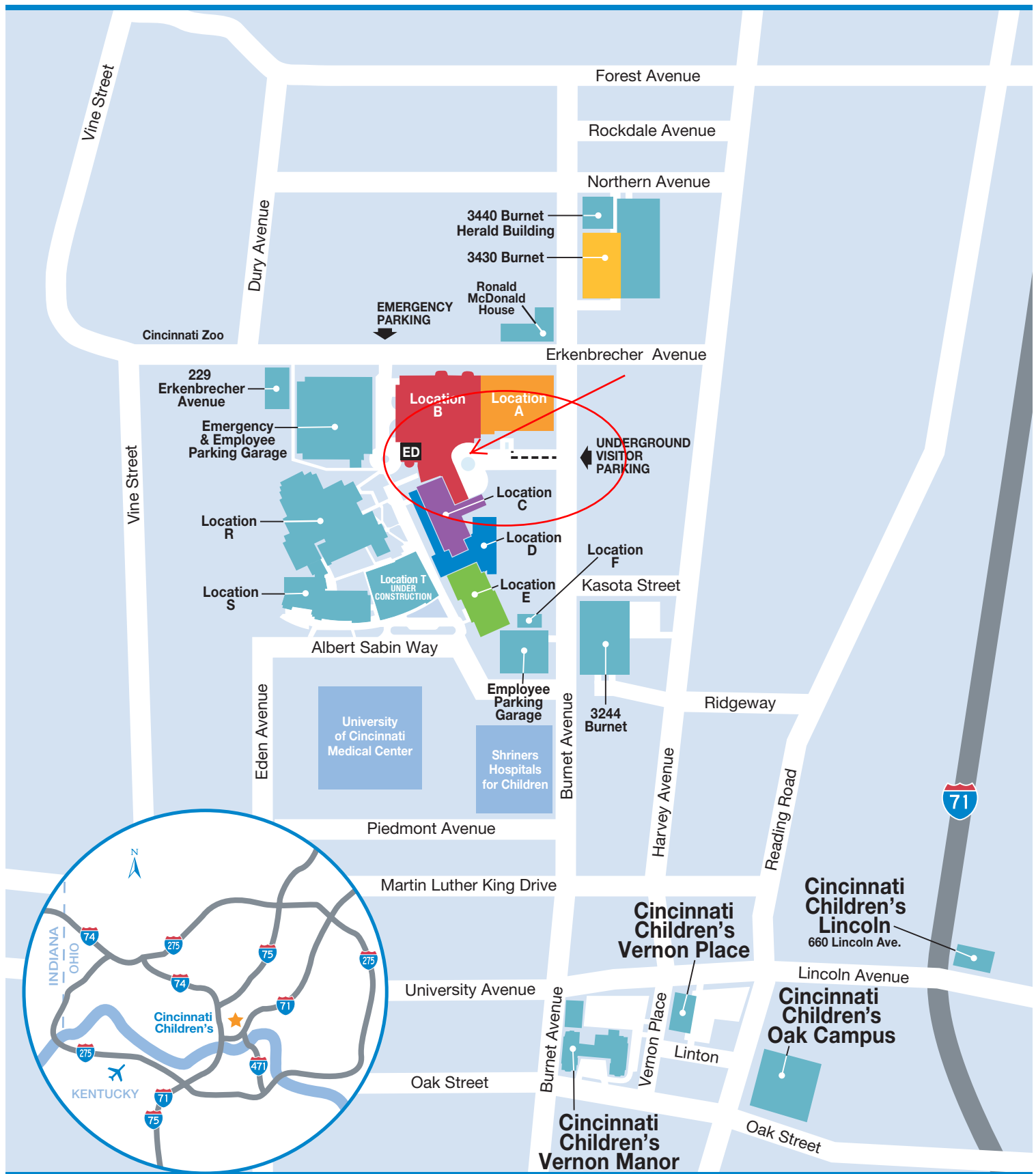
## University of Cincinnati Medical Campus

- Parking Garages/Lots
- Shuttle Stops
- Bicycle Racks

- Libraries
- Dining
- Shoppers
- ATM/VTS



# CAMPUS MAP





# Driving Directions to Main Campus

3333 Burnet Avenue, Cincinnati, OH 45229-3039 • 513-636-4200 • [www.cincinnatichildrens.org](http://www.cincinnatichildrens.org)

## FROM THE SOUTH

### Via I-75 North

- Exit at Hopple St. (exit #3), from the left.
- Turn left onto Hopple St., which becomes Martin Luther King Dr. when it crosses Central Parkway.
- Follow Martin Luther King Dr. about 2 miles to Burnet Ave. Turn left.
- Follow Burnet Ave. about 1/4 mile to main entrance, on the left.
- Turn right at driveway for underground parking.

### Via I-71 North

- Exit at Reading Rd. (exit #2), from the left.
- Bear left onto Reading Rd., going north.
- At fork in the road, about 1 mile, bear left under the overpass onto Burnet Ave.
- Follow Burnet Ave. about 1 mile to main entrance, on the left.
- Turn right at driveway for underground parking.

### Via I-275 North

- Take I-275 to I-471N.
- Take I-471N to Liberty St. (exit #7).
- Turn right onto Reading Rd., going north.
- Bear left onto Reading Rd., going north.
- At fork in the road, about 1 mile, bear left under the overpass onto Burnet Ave.
- Follow Burnet Ave. about 1 mile to main entrance, on the left.
- Turn right at driveway for underground parking.

## FROM THE CINCINNATI/ NORTHERN KENTUCKY INTERNATIONAL AIRPORT

### Via I-71 North

- Follow the airport exit to I-275E.
- Follow I-275E to I-71N/I-75N.
- Follow signs for I-71N when crossing the bridge to Ohio.
- Exit I-71 at Reading Rd. (exit #2), from the left.
- Bear left onto Reading Rd., going north.
- At fork in the road, about 1 mile, bear left under the overpass onto Burnet Ave.
- Follow Burnet Ave. about 1 mile to main entrance, on the left.
- Turn right at driveway for underground parking.

## FROM THE NORTH

### Via I-75 South

- Exit at Mitchell Ave. (exit #6). Turn left onto Mitchell Ave.
- Turn right onto Vine St.
- Follow Vine St. toward the Cincinnati Zoo.
- Turn left onto Erkenbrecher Ave.
- Turn right onto Burnet Ave.
- At first light, turn right into main entrance.
- Turn right at driveway for underground parking.

### Via I-71 South

- Exit at William Howard Taft Rd. (exit #3).
- At second light, turn right onto Burnet Ave.
- Follow Burnet Ave. about 3/4 of a mile to main entrance, on the left.
- At first light, turn left into main entrance.
- Turn right at driveway for underground parking.

## FROM THE WEST

### Via I-74 East

- Merge onto I-75N.
- Exit at Mitchell Ave. (exit #6). Turn right onto Mitchell Ave.
- Turn right onto Vine St.
- Follow Vine St. toward the Cincinnati Zoo.
- Turn left onto Erkenbrecher Ave.
- Turn right onto Burnet Ave.
- At first light, turn right into main entrance.
- Turn right at driveway for underground parking.

## FROM THE EAST

### Via Columbia Parkway (Route 50)

- Turn right onto William Howard Taft Rd.
- Follow Taft Rd. about 2 miles.
- Turn right onto Burnet Ave.
- Follow Burnet Ave. about 3/4 of a mile to main entrance, on the left.
- At first light, turn left into main entrance.
- Turn right at driveway for underground parking.



# TREETOPS from Vine Street Village

