

# **UCCCC FUNDING ANNOUNCEMENT**

## **Novel Radiotracers for Cancer Diagnosis and Monitoring Treatment**

### **Funded by the Women's Board of the University of Chicago Cancer Research Foundation (UCCRF)**

The University of Chicago Medicine Comprehensive Cancer Center (UCCCC) is pleased to announce the opportunity for funding of 1-2 projects at \$50,000 each to develop novel radiotracers to detect or monitor specific tumor types in which these technologies are lacking. These funds can also be used for completion of preclinical studies necessary to successfully compete for larger, national-level grants. The goal is to catalyze collaboration and foster new transdisciplinary interactions which will advance this area of research. The project should leverage the cyclotron and nascent radiochemistry program to advance cancer detection and treatment.

Please contact Rich Freidfelder, PhD, Director of the Cyclotron Facility, if you have any questions about current capabilities of the cyclotron and/or how you might use it in your research ([freifeld@uchicago.edu](mailto:freifeld@uchicago.edu))

Examples of ongoing work from UCCCC members leveraging the cyclotron include:

- The use of PET probes to image high-affinity nicotine binding sites in the brain to better understand how smoking cessation reagents affect nicotine-induced upregulation of nicotinic receptors in the brain. These data are being used to develop better anti-smoking agents – Bill Green, PhD (Department of Neurobiology) and Chin Tu Chen, PhD (Department of Radiology).
- Development of new classes of small molecule imaging reagents that target proteins or enzymes that are differentially upregulated in primary or metastatic cancers. These reagents can be then tailored to specific cancers and/or stages of cancer – Ray Moellering, PhD (Department of Chemistry) and Chin Tu Chen, PhD (Department of Radiology).

#### Eligibility:

- PI must be a UCCCC member
- Collaborative projects are encouraged

#### Submission Process:

The proposal must follow the attached template and sections A-F cannot exceed 2 single-spaced pages. The following sections must be included:

- A. Specific aims
- B. Background and rationale
- C. Research plan
- D. Translational components
- E. Significance and impact
- F. Future Directions: future research and grant submissions based on this pilot project grant
- G. Other support for project: Indicate whether this project has been submitted elsewhere for funding and, if so, where and whether funding was received.
- H. NIH PHS 398 Supporting Documents
  - Budget and budget justification: PI or co-investigator salary support is not allowed; this is an internal award – there are NO indirect costs.
  - Biographical Sketch (including Other Support)

Review Process:

Proposals will be reviewed based on the following criteria:

- Scientific merit
- Significance and impact
- Relevance to the RFA-targeted research areas
- Likelihood of leading to peer-reviewed funding

Progress Reports:

Progress reports, summarizing research to date and efforts to secure external funding, will be requested at the end of the funding period. Any publications resulting from this project must acknowledge the support of the UCCRF Woman's Board.

**Deadline: Monday October 15, 2018**

**Award Start Date: November 1, 2018**

**Instructions for uploading your proposal:**

1. Go to: <http://administration.uccrc.org/>
2. Click on "Submit Projects"
3. Enter your name and password (BSDAD)
4. Click on "Submit a new project" and follow the directions
5. **Note: please combine all pieces of the application (budget, budget justification, biosketch, and proposal) into ONE PDF before you upload it.**

**UNIVERSITY OF CHICAGO COMPREHENSIVE CANCER CENTER  
NOVEL RADIOTRACERS FOR CANCER DIAGNOSIS AND MONITORING TREATMENT  
APPLICATION TEMPLATE**

**Title:**

**PI:**

- A. Specific Aims**
- B. Background and Rationale**
- C. Research Plan/Methods**
- D. Translational Components**
- E. Significance and Impact**
- F. Future Directions**

**(A-F limited to 2 pages)**

- G. Please indicate if this project has been submitted elsewhere for support, specify where and whether funded through this mechanism:**
  - a. Internal (e.g., CTSA) \_\_\_\_\_**
  - b. External (e.g., foundation) \_\_\_\_\_**
  - c. Is this a request for bridge funding related to a grant that has ended? If so please describe circumstances**
- H. NIH PHS Supporting Documents (budget, budget justification, biosketch including Other Support)**