



CALL FOR APPLICATIONS

2021 CLINICAL AND TRANSLATIONAL SCIENCE TRAINING PROGRAM

The Center for Clinical and Translational Science (CCTS) was formed to enhance human health by driving scientific discovery and dialogue from the bench to the bedside and into the community. The CCTS collaborates across the University campus and its network of Regional Partners in research and workforce development. One such opportunity is the Clinical and Translational Science (CTS) Training Program. This program provides education and training opportunities in clinical and translational research over a six-month period (January to June) with class on Wednesday mornings at 8am-10am. Meetings take place via Zoom.

We are now soliciting applications for the 2021 CTS Training Program. Based on their potential for an academic career in research, candidates are identified by Department Chairs or Division Directors from biomedical-related departments and have typically reached the advanced postdoctoral, instructor, or Assistant Professor levels. Upper level graduate students planning to focus on translational research can apply with the support of their Program Director. A Selection Committee, consisting of senior investigators from the CCTS Partner Network will choose up to 40 participants through a competitive review process.

Please circulate a copy of this document, the description of the application process and selection criteria, and the application form to those in your unit who may have an interest in this program. This information can also be found on the CCTS website at <https://www.uab.edu/ccts/training-academy/trainings/graduate-postgraduate/ctstp>. Potential candidates should complete the application form and return it with all required attachments **no later than 5:00pm CT, Monday, November 16, 2020**. Accepted candidates will be notified by Monday, November 30, 2020.

If there are questions regarding the CCTS, please feel free to contact the CCTS (ccts@uab.edu or 205-934-7442). For questions about the CTS Training Program, please contact Jean Lambert (jeanl@uab.edu or 205-934-5959).

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CCTS Training Academy



Clinical and Translational Science (CTS) Training Program Modules

I. INTRODUCTION

- Understand course expectations
 - To include mentored research, team science, introduction/use of CCTS resources (e.g. *BERD, Panels, CRSP*).
- How to define a research question.

II. ETHICS

- Understand ethical issues, potential conflicts, and the responsible conduct of research (RCR).
 - Ethical Issues and conflicts
 - RCR including image manipulation, ethics for authors, etc.
 - Consent in Special Populations

III. CLINICAL TRIALS

- Understand the steps involved in conducting clinical research.
 - Clinical trials Phases I, II, III
 - Good clinical practice (GCP) for all research team members & recruitment/retention tools
 - Institutional Review Board (IRB) orientation and attendance of an IRB meeting

IV. EPIDEMIOLOGY

- Review and evaluate the main study designs used in clinical research: case-control, cohort, clinical trials, cross-sectional, meta-analyses.
 - Study design: principles and examples
 - Case control and cohort studies

V. BIostatISTICS

- Understand the basis of statistical analyses of clinical research studies.
 - Statistical Analysis
 - Rigor, Reproducibility & Transparency (R2T)
 - Outcome measurements, DSMB, etc.

VI. CLINICAL RESEARCH

- Appreciate the variety of human subjects research
 - Health Services Research
 - Genomics Research and use of Informatics
 - Behavioral & Community-Based Participatory Research

VII. RESEARCH PROJECT DEVELOPMENT

- Prepare and review a research project.
 - Literature review, slides, and abstracts
 - Research Presentations – *multiple weeks for individual projects*

VIII. IMPLEMENTATION SCIENCE

- Implementation Science and dissemination
 - Clinical research
 - Community based participatory research