

# CLASS OF 2023

## RESEARCH TRACK SUPPLEMENTAL APPLICATION

### Application Components:

- 1) **The application, including the written responses to each section, the student's CV and the mentor's bio-sketch or CV.**
  - a. Mentors must identify on their CV or bio-sketch their previous trainees/mentees who are co-authors on their publications. This can be done by highlighting the trainee name, underlining the name, or putting an asterisk by the trainee/mentee name on the peer-reviewed publication list.
- 2) **A separate email from the mentor should be sent to [coloradoresearchtrack@ucdenver.edu](mailto:coloradoresearchtrack@ucdenver.edu)**
  - a. The email should confirm the mentor's agreement to mentor the student throughout the proposed project and indicate an understanding that the student needs to submit a first (or co-first) authored manuscript to a peer-reviewed journal by February 1 of the Phase 4 (MS4) year (draft due December 1).
- 3) **The application components listed above must be submitted electronically by: 11:59 p.m. October 4, 2019 to [coloradoresearchtrack@ucdenver.edu](mailto:coloradoresearchtrack@ucdenver.edu)**

### Instructions

The student applicant should complete the application under the guidance of their mentors. The process to complete the application, including mentor involvement and feedback, can take some time. Students are encouraged to start the process early, usually at least 3-4 weeks before submission.

**Part A -- Demographic Information:** (be sure to fill in student's name at the top of each page)

**Part B -- Student Goals:** Please describe your interest in research training, your career goals, and why you want to participate in a Research Track. (Maximum ½ page)

**Part C -- Research Plan:** Include a description (*maximum length 1 page*). All margins must be at least 0.5"; type size must be at least 12 point, and type font of Arial, Helvetica, or Georgia  
Include the following subheadings:

*Specific Aims* – What is/are the scientific goal(s) of the project?

*Background and Significance* – What is background of the proposed project and why is the project important?

*Methods/Approach* – Details are not relevant, but basic information is. Is the approach a particular laboratory method (e.g. immunoassay, physical finding, neuro-image, structured symptom assessment, or survey of a large sample). (*Suggested length –no more than a paragraph*)

*No references*

**Part D -- Timeline:** The expected goal of students in the Research Track is submission of a first-authored (or co-first author) research manuscript to a peer-reviewed journal and presentation at a national meeting. During Phase IV, the Research Track includes a 2-month commitment. Much of this Phase IV commitment will need to be focused on manuscript preparation and submission. Thus, Research Track participants will generally need to have completed a number of steps during Phase I and II. Respond to timeline questions in the context of this goal.

One incomplete model from which to develop a time-line follows:

Phase I Wednesday afternoons: literature review, skill building, COMIRB/IACUC submission  
Summer Phase I – Phase II: data collection and data analysis (if data collection complete)

Phase II Wednesday afternoons: data organization, data analysis, and initial conclusions, prepare posters/talks for presentation; start on manuscript

Phase IV 1<sup>st</sup> Finish manuscript and submission, national meeting and abstract submission

Each area of research is different and each project is different, so there is no timeline that will work for each research plan, thus the application requests you flesh out, with input from your proposed mentor, a proposed timeline.

**Curriculum Vitae** – All applicants must also include both a Student and Mentor's Curriculum Vitae or NIH-format bio-sketch with their application. **The mentor's CV/bio-sketch must note previous work with trainees, including noting which coauthors are trainees. This is easily done by either underlining the name, highlighting the name, or putting an asterisk in front of the trainee name.**

Other issues:

1. Students have the option of approaching more than one mentor and submitting more than one application. However, by the deadline, students must also submit a separate project preference order list.
2. Mentors may support the application of more than one student, on the same or different projects. However, for any mentor listed on more than one application (a) the mentor will be contacted to determine the maximum number of students the mentor can accept, and (b) no more than one application will be accepted per project. Any 2 applications that have separate specific aims and can reasonably be considered to eventually lead to separate manuscript submissions will be considered as separate projects even if other components overlap.
3. The goal is for each student to submit a first author (or co-first author) empirically based manuscript to a national scientific journal by February 1<sup>st</sup> of their 4<sup>th</sup> year of medical school. Applications which replace the goal of a 1<sup>st</sup> author empirical paper with a 1<sup>st</sup> author non-empirical (i.e. review paper) review paper will be considered but will be given lower priority for admission to the program.

**Part A: Demographics**

Student name: \_\_\_\_\_ Date: \_\_\_\_\_

Student Phone: \_\_\_\_\_ Student Email: \_\_\_\_\_

Faculty name: \_\_\_\_\_

Faculty Department: \_\_\_\_\_

Faculty Phone: \_\_\_\_\_ Faculty Email: \_\_\_\_\_

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

**Part B: Goals and Career Plans** (describe your interest in research training, your career goals, and why you want to participate in a Research Track. (Maximum ½ page (3156 characters)

**Part C: Project Description/Research Plan** (provide a description of the proposed project)  
(Suggested ½-page, maximum of 1 page, single-spaced) (4665 characters)

**Part D: Timeline**

One goal for the Research Track is to complete all the steps of a research project, including manuscript preparation and submission. Please describe your role in the proposed project and how that will lead to a first-author manuscript submission during Phase IV: (620 characters)

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The expectation is that students will spend at least 4 hours per week, generally Wednesday afternoons, on the project from January-May of Phase I. Please describe the structure and content of what you will accomplish over the spring (e.g. will focus at least 4-6 hours per week on the scholarly project: 2 hours a week to review relevant literature and 2-4 hours per week in the lab to learn methodology—be as specific as possible). (620 characters)

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Please describe the structure and content of what you will accomplish over the summer between Phase I and Phase II(expectation is full time for 8 weeks)? (620 Characters)

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The expectation is that Students will spend at least 4 hours per week, generally Wednesday afternoons, on the project from late August –January of Phase II. Please describe the structure and content of what the student will accomplish over the fall (e.g. will focus at least 4-6 hours per week on the research project: e.g. 4 hours per week from Aug-Sept organizing and entering data; 4 hours per week from Oct-Jan analyzing and interpreting results—be as specific as possible) (620 characters)

Additional electives, activities, or training needed: (184 characters, Examples CITI training, COMIRB application, etc)

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Provide a short overall summary of your research and goals. When summarizing use terms that would be understood by a lay person with a 6<sup>th</sup> grade reading level. (Maximum length - one paragraph)

I certify that all information provided is, to the best of my knowledge, true and complete. I have reviewed the requirements for the research track over all 4 years of the medical school and agree, if accepted into the research track program.

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*Student Signature*