

Research Track Syllabus

Year 1 – Year 4, 2025-2026

Courses: IDPT 5094 (Spring 1st year), 5095 (Summer after 1st year), 6095 (2nd year) , 7095 (3rd year) , 8095 (4th year)

Electives: IDPT 8601, 8602

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For questions related to Research Track: You are welcome to contact us directly, or email at coloradoresearchtrack@cuanschutz.edu. E-mails will be checked daily and answered within 1 business day (normal weekdays) but will not be answered on weekends/holidays. If you don't receive an answer in that timeframe, please email us again—occasionally emails get lost, overlooked, or not delivered. We do our best to respond to all emails in a timely manner.

Table of Contents

Research Track Overview	Page 3
Research Track Goals	Page 3
Application Process	Page 4
Assignment Due Dates, Session Dates, Requirements, Goals, and Learning Objectives	
Pre-clerkship Year (Plains) - Class of 2028	Pages 4-6
Summer after Phase I (Discovery) - Class of 2028	Pages 6-7
Clerkship Year (Foothills) – Class of 2027	Pages 8-9
Post-clerkship (Alpine/Summit)	
Class of 2026	Pages 9-11
Class of 2025	Page 11-12
National Meeting -Planning, Scheduling, What is and is Not Allowed	Pages 13-14
Attendance	Pages 14
Course Evaluations	Page 14
Grading IDPT 5094, 5095, 6095, 7095, 8095; Electives 8601 and 8602	Pages 15-17
Withdrawing from track	Page 17
Resources	
Health Science Library	Page 17
Writing Center Resources	Page 17
Biostatistical Support	Page 17
Research Track Mentor Expectations	Page 18

Research Track Overview

The SOM Research Track provides students with in-depth long-term exposure to research. This is an open and competitive program students apply to during their 1st year of medical school. Students in Research Track will:

- Work with a mentor to build a research plan.
- Carry out that plan through their four years of medical school.
- Work with their mentor during a required 4-week course during the summer break between Pre-clerkship and Clerkship years (a stipend is provided for this work).
- Complete 2 research electives (8601 and 8602) during the post-clerkship phase (a stipend is provided for each of these electives for 4 weeks of full-time research with their Research Track mentor). Additionally, students can elect to do a 3rd research month (8602 can be repeated once). A stipend is not available for the 3rd elective month.
- Have multiple opportunities to present their work.
- Present their research at the Western Student Medical Research Forum in Carmel California.
- Present their research at a national meeting in their specialty.
- Submit a first-author or co-first author manuscript prior to residency.

The Research Track is a four-year program. Students leave medical school prepared to continue their research into residency, fellowship and throughout their academic careers.

Successful completion of the Research Track also fulfills students' requirements for scholarly activities (serves to substitute for the Mentored Scholarly Activity requirement).

Research Track Goals

- Graduates will have the knowledge, attitudes, and skills to be lifelong, self-directed learners.
- Foster student development of an identity as a physician capable of being involved with and completing research efforts.
- Graduates will acquire the knowledge and skills to successfully complete the components of a research project including:
 - Identification of a health care related scientific question
 - Participation in data collection and analysis
 - Oral dissemination of scientific information
 - Written dissemination of scientific information

Application Process

- Entry into the Research Track is a competitive process.
- Application to the Research Track is via the development of an individualized Research Plan which will be created and monitored by the student in collaboration with a primary research mentor. The application due date is determined on a yearly basis and further details and due dates are provided to the first-year medical student class well before the application deadline.
- If accepted into the Research Track, students will need to agree to and sign the acceptance letter and the student/mentor agreement. **Application Process Objectives**
- Identify a mentor.
- Review and assess the commitment level necessary to complete the research track.
- Complete a research plan which includes a description of the scientific question and its relationship to established scientific literature; appropriate methodology including, if appropriate, sample collection; analysis; and early plans related to dissemination.

Assignments, Due Dates and Requirements by Class

Class of 2029 Pre-clerkship Year (Plains)

Pre-clerkship Year (Year 1) Assignment Due Dates

- Research Track Application Period Opens: August 18, 2025
- Research Track Applications Due: October 6, 2025
- Students notified of acceptance into the Research Track by November 24, 2025
- Create an ORCID ID: January 15, 2026
- CITI/IACUC Training Submission: January 16, 2026
- 1:1 session with Track Director (Jan-February 2026)
- EndNote Training (asynchronous): February 13, 2026
- Review PowerPoint “How to Do a Work in Progress (WIP”) and present your WIP in the spring to peers: March 13, 2026
- HR Finance Forms Deadline (required in order to arrange your payment of your summer stipend): To be determined— actual deadline TBD but likely before May 1, 2026

Pre-clerkship Year Zoom Meeting (Session) Dates

- Orientation: December 2, 2026; 12-1 PM
- 1:1 session with Track Director (Jan-February 2026)
- Work In Progress Presentations: Mar-May 2026 (review PowerPoint asynchronously prior to preparing your work-in-progress)
- Summer 2026 Research Track Course Orientation: will be scheduled in June or July

Class of 2029- Summer Discovery Period July/August 2026

- Required 4-week summer course doing full time research work on your Research Track project with your mentor- **Students will participate in the elective July 20-Aug 14 OR July 27 August 21, 2025-this is a fulltime 40 hour/week paid position to work on your research with your mentor. Plan ahead, as you are expected to be working during that time.**
- Asynchronous Sessions (Due Aug 17, 2026)
 - How to Write an Abstract Video:

- How to Make a Scientific Poster Video
- How To Do An Oral Presentation Video:
- Work In Progress Presentations: Scheduled the week of August 10-24, 2026

Pre-clerkship Year Requirements (Class of 2029)

- Students are expected to spend approximately ½ day per week working on their project, starting in November through the Pre-clerkship Year (Plains curriculum) through the remainder of the academic year.
- Students will attend mandatory meetings of the Research Track beginning with an orientation in December (the only required meeting fall semester). **There will be 3 mandatory meetings in Spring semester (Jan through July). These include a 1:1 meeting with the Track Director, your work-in-progress session, and a summer orientation session. These sessions occur on Wednesdays from 12-1 PM (you are welcome to eat lunch during all of these sessions).** At some point before the summer session, you will need to meet with HR to verify your identity to be able to complete your “hiring” so we can give you a stipend for your summer research work (we will let you know when you need to do that)
- Students will spend four weeks in a full-time summer research experience between the Pre-clerkship Year and Clerkship during the “Discovery period” (see dates above). Students will receive a stipend for the 4-week full-time research work (40 hours per week). ***Note: Research Track students must terminate any other University employment they may have before beginning their full-time research experience. Students on a Visa may or may not be eligible to receive stipends (this will be determined by Human Resources once the student has submitted HR paperwork). Regardless of whether students on a Visa are eligible for a stipend, they can still participate in the Research Track (and they must complete the research months requirement to remain in the Track).***
- There may be additional requirements depending on the source of funding.
- **Students that experience academic difficulties or are on academic warning will be moved to the Mentored Scholarly Activity (MSA) to allow more focus on the required curricular elements so that they can be successful. MSA has more flexibility in terms of project timelines and has less challenging requirements.**

Required if your project includes human subjects:

- Colorado Multiple Institutional Review Board ([COMIRB](#)) – If your project involves human subjects you must complete [COMIRB](#) training/certification on line and plan ahead to submit your protocol as soon as possible.

Required if your project includes vertebrate animal subjects:

- If your project involves vertebrate subjects your project must be approved by IACUC. Plan ahead to submit your protocol as soon as possible.

Pre-clerkship Year (Year 1) Goals

1. Students will identify a mentor and establish a research mentor-mentee relationship.
2. Students will develop a well-defined mentored research project and timeline for completion.
3. Students will have basic skills in the use of scientific article citation management.

Learning Objectives Individualized Research Experience

1. Develop a relationship with a scientific mentor.
2. Review scientific literature pertinent to the individual research project.
3. Identify skills that are needed to carry out components of the individual research project.
4. Begin training to master the identified skills needed to carry out components of the individual research project.
5. Identify whether the research project needs approval from oversight bodies (i.e. COMIRB, Institutional Animal Care and Use Committee) and develop a plan (if needed) to obtain approval.

Learning Objectives-Work in Progress Presentation 1

1. Present WIP to peers and faculty in an oral presentation
2. Effectively respond to comments and questions from peers about your research efforts
3. Identify scientific questions in other students' presentations.
4. Evaluate strengths and weaknesses in presentations by others.

National Meeting Travel: Occasionally students in their first year make great progress on their projects and their mentors may suggest presenting the findings at a national meeting. **Please contact [Mary McGinnis](#) if you are planning to submit an abstract with your mentor pertaining to your Research Track project to a national meeting to make sure it is eligible for Research Track funding.** The University has rules around how travel is arranged in order to be reimbursable. Mary will send you instructions on how to properly make those arrangements so you can be reimbursed (within university policy) for your travel expenses. Do not make ANY arrangements to travel to a meeting without first talking with our Research Track Coordinator (Mary McGinnis). Do NOT buy your own tickets. Travel to national meetings must be within the 48 continental United States. **The Research Track will NOT support or reimburse travel/expenses to Alaska, Hawaii, Puerto Rico, or international meetings. See the Planning for National Meeting Travel section in this syllabus.**

Class of 2028 Summer Course

IDPT 5095-Summer Between Pre-clerkship and Clerkship Year (Discovery); Students participate in the summer course for 4 weeks, either July 28- August 22, 2025 OR August 4-29, 2025.

Goals:

1. Demonstrate progress towards the completion of research project
2. Publicly communicate understanding of the project to peers

Summer Requirements and Due Dates for IDPT 5095:

1. Attend the summer orientation session **via Zoom**. This will be scheduled in May or June.
2. Advance your research project as much as possible (collect data, analyze, etc.)
3. Work on your research project 40 hours a week for the 4 weeks of the course.
4. Meet with your mentor.
5. Watch the 3 videos on Canvas: **Deadline 8/22/2025**
 - a. How to write an abstract
 - b. How to make a poster
 - c. How to do an oral scientific presentation

6. Present your project orally, with a power point presentation during a Work-in-Progress session that will be scheduled near the end of the course (**WIPS will be held August 20-21, 2025**). You will also be evaluating the presentations of your peers in your Work in Progress session .

Learning Objectives- Summer Orientation Session

1. Describe the overall expectations and structure of the summer experience in the Research Track

Learning Objectives-Work in Progress Session 2

1. Present WIP to peers and faculty in an oral presentation
2. Effectively respond to comments and questions from peers about your research efforts
3. Identify scientific questions when others present
4. Evaluate strengths and weaknesses in presentations by others

Learning Objectives Individualized Research Experience

1. Regularly meet with a scientific mentor
2. Gain any necessary skills needed for data collection
3. Begin data collection appropriate to the individualized research project

Learning Objectives Asynchronous Videos (How to do an oral scientific presentation, How to write an abstract, How to create a scientific poster).

1. Describe basic components of an oral scientific presentation.
2. Describe the basic components of an abstract.
3. List the components of an effective scientific poster.

National Meeting Travel: Occasionally students make early/great progress on their projects and their mentors may suggest presenting the findings at a national meeting. Please contact Mary McGinnis (Research Track coordinator) before submitting an abstract to a national meeting to ensure that the meeting can be funded for your travel. Understand that absences from the LIC year must be approved by LIC Directors (if presenting at a national meeting during the clerkship year) Please see [Policies and Procedures Guide](#) for the absence policy process. If you are presenting at more than 1 meeting during your LIC year, you will be expected to use some of your personal days (per the Foothills policy- [Policies and Procedures Guide](#))Also, prior to making any meeting travel arrangements, contact our coordinator, Mary McGinnis, for information. You must follow the policies set up by the University for travel arrangements to be eligible for reimbursement for those travel expenses. **See the Planning for National Meeting Travel section in this syllabus.**

For the Carmel meeting, all students who notify us they have abstracts accepted will be sent a detailed sheet with instructions on how to make travel arrangements. For other national meetings, contact Mary McGinnis to obtain information on travel arrangements. **Do not make ANY arrangements to travel to a meeting without first talking with our Research Track Coordinator to make sure your travel is reimbursable. Do NOT buy your own tickets.**

Class of 2028 Clerkship Year

Clerkship Year Assignment Due Dates

- **Submit a scientific abstract to Western Medical Research Conference (Carmel)** by the deadline (Abstract submission usually opens in late July and usually closes mid-September--don't wait until the last day)
 - Submission of an abstract to Carmel AFMR during the Clerkship Year is strongly encouraged. If the student and mentor determine the work is not ready for submission, the student can elect to submit for the Carmel AFMR during the Post-clerkship Year (Year 3 or 4).
 - Note that the student must submit all co-authors disclosures during the abstract submission process, and this may take some time to collect—so start this process early.
- **Annual Research Forum Poster and Abstract Submission:** Submit a poster and abstract (can be the same abstract as you submit for the Carmel meeting) by the **November 10, 2025** deadline. **Note the poster and abstract MUST be submitted by the registration deadline.** This will be a virtual event.
- **Annual Virtual Research Forum Presentation: December 9, 2025- Note this is a virtual event. You will be scheduled to present with a small group of students either from 1-2 or 2-3 PM.**
- The LIC year is a busy year. Other than the submission to the Carmel meeting and the Research Forum submission we have very few requirements during the LIC year for the Research Track. However, try to advance your project during this year if possible. For example, you may be able to work on data analysis, making tables, working on the introduction and methods section of a manuscript, etc. We understand that depending upon your project you may not be able to do much. **Stay connected with your mentor so they understand when to expect you back to working regularly on your project and don't think you've abandoned it.**
- **Project Update Survey: Deadline- July 10, 2026;** Students will be assigned in Canvas to complete a brief update survey on their project. This will be submitted online.

Clerkship (LIC) Year Requirements

- Students will present their research plans and findings:
 - To campus-wide peers and faculty judges: In a virtual poster presentation format at the annual Anschutz campus Student Research Forum (this is optional this year)
 - To regional peers and faculty at the Western Section of the American Federation of Clinical Research in Carmel (If determined by the student and mentor that the research is not ready for submission, the student will submit to Carmel in the Post-clerkship phase)

Clerkship Year Goals

1. Demonstrate progress towards the completion of your research project
2. Publicly communicate understanding of the project to others

Learning Objectives- Research Forum

1. Create a research abstract and poster describing the research question, methods, results, and conclusions.

2. Present research to peers and faculty in a combined oral presentation (poster format).
3. Effectively respond to comments and questions from peers and faculty about the research project.

Learning Objectives-Western Student Medical Research Forum

1. Deliver an oral presentation of the individual research project (oral podium or poster) to peers and faculty at a scientific meeting.
2. Effectively respond to comments and questions from peers and faculty about your research.

Learning Objectives- Individualized Research Experience

1. Further develop a relationship with a scientific mentor
2. Advance your progress toward completion of a research project

LIC Year Due Dates:

1. Submit abstract to the Carmel meeting- we will update on deadline for submission but it is usually mid-September
2. Submit abstract and poster to the Anschutz Campus Research Forum-November 10, 2025.
3. **Project Update Survey: Deadline- July 10, 2026;** Students will be assigned in Canvas to complete a brief update survey on their project. This will be submitted online.

National Meeting Travel: Occasionally students make early great progress on their projects with their Research Track mentors, and their mentors may suggest presenting the findings at a national meeting. Do not make ANY arrangements to travel to a meeting without first talking with our Research Track Coordinator to make sure your travel is reimbursable. Do NOT buy your own tickets. See the National Meeting

Research Elective Planning for the Post-Clerkship Phase:

Please think about when in years 3 and 4 you want to take your 2 required research elective months. Please **look at the grading rubric in this syllabus for both electives (8601=1st research month elective; 8602=2nd research month elective) so you understand the things you will be expected to achieve each month to receive a H, HP, or P grade-you may want to plan timing of those months with that in mind.** Grading of research track electives are outcomes based. It is recommended to complete the first 4-week rotation prior to August of the 4th year. It is recommended to start the second 4-week rotation at least two to three months after the first rotation. Both the first and second rotation should be completed before December 1 (preferably before November 1) of the 4th year. **Your manuscript draft is due December 1 of your 4th year of medical school)— your submission of the manuscript to a peer reviewed journal is due by February 1 of your 4th year of medical school. Plan ahead so you are prepared to meet the deadlines.** Off track students will have different deadlines for these items if they will not be graduating in May.

Class of 2027-Post-clerkship (Advanced Science Courses, AI/Electives)

- Students who did not go to the Carmel (AMRC) Conference last year should plan to submit an abstract and go this year if at all possible. The abstract submission portal is not yet open, but usually opens by Aug 1. Usually, the abstract submission period closes in mid-September (actual dates for this year have not been released). Plan ahead and get your abstract prepared. Note that to submit your abstract you will need to have distributed it to all co-authors for their feedback prior to finalizing. There will be a form that needs to be filled out collecting your co-authors disclosures/conflicts of interest—so plan for time to be able to do that by the submission deadline. **The Carmel, CA (AMRC) conference this year will be January 15-17, 2026.**

Assignment Due Date

- **Project Update Survey: 7/8/2025**, This assignment will be in Canvas and will be an online survey for you to complete regarding your Research Track project.

Session Dates

- Alpine Basecamp Track Time: January 2026 (Exact dates and times TBD)

Requirements (Post-clerkship, Advanced Science Courses, AI/Electives)

- Students will provide an update on the status of their project.
- Students will engage with their project mentor and continue to plan (or complete) research months for this academic year through graduation.
- Students and their mentor will identify a national meeting to submit an abstract to for presentation (if not done previously).
- Students will work toward submission of a first-authored paper to a peer reviewed journal.

Goals:

1. Gain experience reading and assessing scientific posters and oral presentations.
2. Demonstrate progress towards the completion of your research project.

Learning Objectives- Individualized Research Experience

1. Further develop a relationship with a scientific mentor
2. Advance your progress toward completion of a research project

Students may spend up to 12 weeks (three 4-week rotations) in full-time elective research experience in the Post-clerkship phase.

Students are required to do at least 2 required Research elective months in the Post-clerkship phase: one of IDPT 8601 and one of IDPT 8602 (IDPT 8601 is the first research track elective month and IDPT8602 is the second one). Grades for 8601 and 8602 will be assigned as Honors/High Pass/Pass/ or Fail for work completed in these courses in addition to the IDPT 8095 (Research Track) Pass/Fail grade. Important: Please look at the grading outcomes expected for 8601 and 8602 (grading rubrics are included in this syllabus) when planning your electives so you understand the expectations for products at the end of each elective.

It is recommended to complete the first 4-week rotation prior to August of the 4th year. It is recommended to start the second 4-week rotation at least two to three months after the first rotation. Both the first and second rotation should be completed before December 1 (preferably before November 1) of the 4th year. **Your manuscript draft is due December 1 of your 4th year of medical school)— your submission of the manuscript to a peer reviewed journal is due by February 1 of your 4th year of medical school. Plan ahead so you are prepared to meet the deadlines.** Off track students will have different deadlines for items if they will not be graduating in May.

- Research Track Electives 8601 and 8602-Students will receive a stipend* for successfully completing elective 8601 and 8602. 8602 may be taken a second time for an additional 4 weeks of credit and a grade, but there is no stipend for the second 8602 enrollment. ***Note occasionally students on a Visa do not qualify for stipends, however, to complete the requirements of the Track, students need to complete the 2 Research Track electives described below.(For Students on a Visa: Unless your Visa**

status or research work place has changed, if you qualified for the summer stipend after 1st year, you should be approved for a stipend).

- Course 8601: a major goal should be to have at least a very good draft that can be circulated to co-authors by the end of the month. Many students will be able to submit their paper to a journal during this month. (see the grading rubric in this syllabus for the full expectations during this month)
- Course 8602: Usually, this elective is taken 2-3 months after course 8601. This elective is appropriate for writing, rewriting and/or resubmission of a submitted manuscript. Course 8602 may be repeated once for credit; however, there is no stipend for the second 8602 month. Please see the grading rubric in this syllabus for the full expectations during this month.
- **Work submissions (assignments) for 8601 and 8602 – Due the last day of each 4-week course**

Class of 2026 - Phase IV

Phase IV Assignment Due Dates:

- **Project update survey (online) due July 14, 2025.**
- **Draft of First author manuscript submitted to Canvas Deadline December 1, 2025 OR a copy of a First author manuscript you have submitted to a peer reviewed journal OR a copy of a published peer reviewed journal paper (of your research work during medical school)**
- **Evidence of Abstract Submission to a National Meeting: December 1, 2025**
- **Submit a copy of your final manuscript to canvas(or pdf of published article) by February 2, 2026, OR a copy of a First author manuscript you have submitted to a peer reviewed journal OR a copy of a published peer reviewed journal paper (of your research work during medical school)**
- **Evidence of Manuscript Submission to journal (email confirmation of submission or acceptance) – February 2, 2026**
- **Capstone Data Collect Survey:** Feb or March 2026 (date TBD) . This will appear as a Canvas assignment and can be submitted online.
- **Upload final Capstone Abstract and Poster:** Date TBD Spring 2026. These will both be uploaded into a Canvas assignment.
- **Capstone Presentation:** Spring 2026 (Date TBD)

Phase IV Session Dates:

- Transition to Residency Basecamp Track Time: Track time will occur once during this April/May Basecamp (Date TBD)
- Capstone Presentation: Spring 2026

Requirements Phase IV

- **Students are required to do at least 2 four-week required full-time Research elective experiences in the Post-clerkship phase: 4-weeks of IDPT 8601 and 4-weeks of IDPT 8602 (IDPT 8601 is the first research track elective month and IDPT8602 is the second one). Students can elect to do an additional research month (8602 can be repeated once) but no stipend is available for the 3rd month. Grades for 8601 and 8602 will be assigned as Honors/High Pass/Pass/ or Fail for work completed in these courses in addition to the IDPT 8095 (Research Track) Pass/Fail grade. **Important: Please look at the grading outcomes expected for 8601 and 8602 (grading rubrics are included in this syllabus) when planning your electives so you understand the expectations for products at the end of each elective.****

- It is recommended to complete the first four-week rotation in the first few months of your 4th year (August or earlier); It is recommended to start the second 4-week rotation at two to three months after the first rotation, Both the first and second rotation should be completed before Dec 1 (preferably before Nov 1) of year 4. Students will receive a stipend* for IDPT 8601 and 8602. 8602 may be taken a second time for an additional 4 weeks of credit and a grade, but there is no stipend for the second 8602 enrollment.
- ***Note occasionally students on a Visa do not qualify for stipends, however, to complete the requirements of the Track, students need to complete the 2 Research Track electives described below (unless your Visa status or research work place has changed, if you qualified for the summer stipend after 1st year, you should be approved for a stipend).**
- Note: Research Track students may need to complete the 8601 and 8602 electives in their mentor's lab in the Aurora/Denver or Ft. Collins (depending on mentor's location) area during Phase IV.
- Work submissions (draft manuscript, evidence of abstract submissions, evidence of manuscript submission, etc.) are to be uploaded into Canvas – Due the last day of each elective.
- Students must submit an abstract and present it at a national, non-student meeting prior to graduation (in addition to the Carmel meeting)
- **Submit a draft first-author (or co-first authored) manuscript to Canvas or a final first author manuscript to a peer-reviewed journal -Submit by December 1, 2025**
 - This is what your fall Research Track IDPT 8095 course grade is based on.
- **Submit a final first-author (or first co-authored) manuscript to a peer-reviewed journal and evidence of submission -Submit by February 2, 2026.**
- Poster and oral presentation at Capstone

Phase IV Goals

1. Submit a manuscript to a peer reviewed journal.
2. Submit and have an abstract accepted to a national meeting (if not previously accomplished). Present at the meeting, if abstract accepted.
3. Submit an abstract and attend the Carmel meeting (if you previously did not submit an abstract to this meeting).

Phase IV Learning Objectives

1. List the elements needed for a scientific abstract.
2. List the generally accepted basic elements needed in a research manuscript that will be submitted to a peer reviewed journal.
3. Analyze and interpret the results of your research project.
4. Describe the potential weaknesses or limitations of your individual research project.
5. Describe the process from start to finish of writing and submitting a research manuscript to a peer reviewed journal.
6. Respond effectively to questions during presentation of your scientific research.

Planning for and Attending National Meetings

Remember abstract deadlines are often 6 months before a meeting. Contact the Research Track Coordinator (Mary McGinnis) before submitting an abstract to ensure the meeting is eligible for the Research track to provide funding for it.

If you submit an abstract and plan to present at a national meeting be aware of the following:

- Research Track only has funds available for each student to support travel to the Carmel meeting (Western Medical Research Conference) and travel to one other national meeting to present your Research Track work.
- It must be a national, non-student meeting in the **48 continental** United States.
 - **Contact our coordinator, Mary McGinnis, to get information on how to make travel arrangements for a national meeting.** When emailing, please include the name of the meeting and the location you will be traveling to. In that email, also include whether or not you have previously traveled to a national meeting (other than the Carmel meeting) that the Research Track has paid expenses for. **Do not pay for anything prior to contacting the Research Track Coordinator to make sure we will be able to fund your trip. DO NOT buy your own tickets (or we may not be able to reimburse you for your expenses).**
- **NO INTERNATIONAL CONFERENCES ARE SUPPORTED BY THE RESEARCH TRACK.** Meetings in Alaska and Hawaii are also not fundable. Therefore, the Research Track is **unable** to pay for or reimburse you for expenses related to international meetings or meetings in Hawaii or Alaska.
 - Occasionally your mentor may suggest an international meeting to present your work. Please let your mentor know that **international meetings are not funded** (and you can't be reimbursed for expenses) by the Research Track. If your mentor still believes you should go AND has alternate funding for you to go (grant funds, department funds etc.) you can take advantage of that opportunity, but all of your travel and reimbursements will need to be arranged through whoever is funding you for the meeting (the Research Track will **not** be able to help with travel arrangements or reimbursements for that). Also be aware that the University has additional policies/requirements regarding international travel and reimbursement—**do not make any travel/registration/hotel arrangements without first working with the department funding you to make sure you are following all of the requirements** (or you may end up not being able to be reimbursed for any of your expenses). You must also get an excused absence (see the Policies and Procedures Guides to determine how to request an excused absence).
- Please be thoughtful in planning which national meeting to attend. Since abstracts are often due 6 months in advance of a meeting-you may already be planning to submit an abstract and attend a meeting. Meetings which occur between Nov 1 and Jan 31 of your 4th year may conflict with residency interviews. Dates to potentially avoid: November 1 – January 31 (of 4th year). A meeting during this time may be possible, but you should realize you could have a conflict with an interview date. Students are also not allowed to travel or be gone during match week or graduation week.

- You must obtain permission to travel to the meeting (and be away from your clinical experiences) – see the [Policies and Procedures Guide](#) **absence policy for the Phase of training you are in. You must request an excused absence** as soon as you know your abstract has been accepted. You must also notify whoever is supervising you during your elective or clinical rotation of your planned absence. Note that during the LIC year, research days are limited, and you may need to take personal days if you wish to travel to a national meeting during the clerkship year (check with your LIC Director).
- Research Track students are NOT eligible to attend a national meeting during the LIC immersions, Match week, Capstone (if you are an M4), or during graduation week (if you are an M4).

Attendance and Conduct Expectations

Please refer to SOM MD Program Policies and Procedures for the Trek or Hybrid Curriculum (whichever is appropriate) accessible at this link for details on absence policies and conduct expectations:

• [Policies and Procedures](#)

Pre-clerkship Year: We limit the number of required didactic sessions in the Research Track since most of the work in the Track is focused on your individual project work with your mentor. However, we will have some required sessions (via Zoom or in-person) during the year. During the period from November through August of the Pre-clerkship Year, students are allowed to miss one required session (without an excused absence), only if they notify the research track coordinator and research track director in advance. If a student is late to or leaves early from 2 required meetings, the research track director may count this as a missed session.

- **Failure to attend a required session, without an excused absence, will be considered a Professionalism issue:**
 - 1st unexcused absence in a year/phase –an Assistant Dean will contact the student, the situation will be discussed, and the student will be warned that a second infraction will result in filing a Professionalism Feedback Form.
 - 2nd or subsequent unexcused absence in a Phase – the student will meet with Dr. Anderson, who may file a Professionalism Feedback Form.
 - At any time during a Phase, if a second Professionalism Feedback Form is filed owing to a student’s unexcused absence at a required session, the student’s case will be referred to the Professionalism committee.
- Otherwise, you will be expected to organize your own schedule, with guidance from your mentor.
- Having a negative impact on the small group learning environment, including arriving late for more than one session, will be treated as a separate Professionalism issue.

Course Evaluations

- Students will be required to complete online evaluations.

Grading - How will Students be Graded in the Research Track?

For a full description of grading policies, please refer to the SOM MD Program Policies and Procedures for the Trek Curriculum at this link:

• [Policies and Procedures](#)

Additional Grading Information Specific to Research Track:

- **A passing grade is assigned in the Required Research Track Courses IDPT 5094, 5095, 6095, 7095, and 8095 based on successful completion of the research track requirements for that semester.**
 - The grades of “Honors” and “High Pass” are not available for the required Research Track Courses (IDPT 5094, 5095, 7095, 8095). A grade of P (Pass), F (Fail), IP (In Progress) or PR (Pass with Remediation) will be assigned in accordance as described in the SOM Policies. W (Withdrawal) will appear on the transcript for those that withdraw from a course.
- The grades of “Honors” and “High Pass” are available in the Post-clerkship Research Elective courses 8601 and 8602 if the student achieves the standards described for “Honors” or “High Pass”.
- For the Fall semester of the Pre-clerkship Year (Plains), the student will receive a grade in Mentored Scholarly Activity (MSA) instead of Research Track (since students are still in the application process for Research Track until late in the semester when decisions are made about Research Track acceptance). **Please see the MSA grading policy for information regarding Pre-clerkship Year MSA Fall Semester grades.**
- A student who experiences academic difficulties or is placed on academic warning or probation will be moved to the Mentored Scholarly Activity program (which generally has less rigorous requirements) in order to give the student more time to focus on their classwork and be successful.

Grading Rubric for Post-clerkship Phase Research Track Courses (IDPT 8601 and IDPT 8602)

Honors:

Completion of an abstract appropriate for submission to a non-student national meeting and the intent to attend and present at the meeting if the abstract is accepted. If the abstract has already been submitted (regardless of if it was accepted or not), upload a pdf of the email received confirming the submission (as proof of submission).

And

Submission of any one of the following in regard to research while in medical school:

- A pdf copy of a first-authored (or 1st co-authored) research paper published in a peer reviewed journal
- Evidence of submission of a first-author (or co-first author) manuscript to a scientific journal for review for possible publication. The student must provide both a copy of the manuscript and a pdf of an email from a scientific journal confirming the submission.
- A first authored (or 1st co-authored) manuscript draft with all of the following elements: introduction/background, methods, results (including data tables or graphs as applicable), discussion, possible limitations, conclusions, references (note this can be a first draft that has not yet been edited/revised by your mentor and/or research team and may not have all data tables or figures).

High Pass:

Completion of an abstract appropriate for submission to a non-student national meeting and the intent to attend and present at the meeting if the abstract is accepted. If the abstract has already been

submitted (regardless of if it was accepted or not), upload a pdf of the email received confirming the submission (as proof of submission).

Or

Submission of any one of the following in regard to their research while in medical school:

- A pdf copy of a first-authored published research paper (or 1st co-authored) of research work published in a peer reviewed journal
- Evidence of submission of a first-author (or co-first author) manuscript to a scientific journal for review for possible publication. The student must provide both a copy of the manuscript and a pdf of an email from a scientific journal confirming the submission.
- A first-authored (or 1st co-authored) manuscript draft with all the following elements: introduction/background, methods, results (including data tables or graphs as applicable), discussion, possible limitations, conclusions, references (note this can be a first draft that still needs to be edited/revised by your mentor and/or research team).

Pass:

Evidence of progress towards completion of a scientific project, including: An incomplete draft (without some of the elements listed above for a complete manuscript draft) of a first author (or co-first author) scientific manuscript **and** the current status of the project and a reasonable plan, including a time-line, for how the project and the accompanying manuscript will be completed

Or

A submitted or published non-first author manuscript with an accompanying detailed description of the role the student played in the project.

Or

A description of what barriers prevent completion of the project, what attempts were made to overcome the barriers, and, if the project is not to be completed, what was learned from the project.

IDPT 8602 - Grading Rubric

Honors:

Evidence of submission of an abstract to a non-student national meeting. Students must provide a copy of an email from the meeting or meeting sponsor notifying you of abstract acceptance for the meeting.

And

Evidence of submission of a first-author (or co-first author) manuscript to a scientific journal for review for possible publication. The student must provide both a copy of the manuscript and a pdf of an email from a scientific journal confirming the submission.

High Pass:

Completion of an abstract appropriate for submission for oral or poster presentation at a non-student national meeting. Students must submit name of the meeting, abstract submission dates, and intent to attend and present at the meeting if the abstract is accepted.

OR

Evidence of submission of a first-author (or co-first author) manuscript to a scientific journal for review for possible publication. The student must provide both a copy of the manuscript and a pdf of an email from a scientific journal confirming the submission.

OR

Evidence of submission of more than 1 non-first authored manuscripts to peer reviewed journals (from research done while in medical school).

Pass

Completion of an abstract appropriate for submission to a non-student national meeting (student must submit name of the meeting, abstract submission dates, and intent to attend and present at the

meeting if the abstract is accepted), **AND** A submitted or published non-first author manuscript with an accompanying detailed description of the role the student played in the project.

OR

Completion of an abstract appropriate for submission to a non-student national meeting (student must submit name of the meeting, abstract submission dates, and intent to attend and present at the meeting if the abstract is accepted), **AND** submission of a first-author manuscript to the Track Director in the style of and meeting all requirements of the MSA program. **AND if project was not completed**, a description of what barriers prevent completion of the project, what attempts were made to overcome the barriers, and, what was learned from the project.

Withdrawing from the Track

If a student is unable to continue or wishes to withdraw from the Research Track, the student must meet with the Research Track Director to review the issues. If the Research Track Director agrees that continuing in the track is not feasible and/or in the student's best interests, the Research Track Director will advise the student to meet with the Associate Dean in the Office of Student Life to discuss a plan to withdraw from the Research Track and transfer to the Mentored Scholarly Activity (MSA) program. Once a decision has been made that the student will withdraw from the Research Track program, the student must contact the MSA director to discuss a plan for the student's MSA project.

Resources Available to Research Track Students

[HEALTH SCIENCE LIBRARY](#)—the Research Track program has librarian who can help with research for the background sections of proposals and with systematic reviews. Librarians can assist with:

- Problem identification and focus
- Question formulation
- Search strategy
- Identifying resources for literature review
- Organizing and managing citations
- Manuscript style requirements

Research Track students can contact the librarian to schedule a FREE individual consultation. Most consultations are scheduled for an hour and provide training and help in customizing your research strategy for PubMed, Google Scholar, or other resources such as EMBASE (European and international medical journals), Cochrane Library (evidence based systematic reviews), genetic/molecular biology or legal/historical/ethics resources. After the initial consultation librarians are available via email, phone or in person for follow-up.

Library Contacts:

- Basic Science Research [Wladimir Labeikovsky](#), PhD (303-724-2114)
- Clinical Research [Kristen DeSanto](#), MSLS, MS, RD, AHIP (303-724-2121)
- Global Health [Nina McHale](#), MSLS, AHIP (303-724-2133)
- Humanities & Social Sciences [Christi Piper](#), MLIS, AHIP (303-724-2170)
- Public Health & Epidemiology [Ben Harnke](#), MLIS (303-724-2146)

Students can also contact the Library via the [Ask Us!](#) Link on the Library's homepage. Please provide information on your research topic or identify your thematic area as part of your [Ask Us!](#) Request.

[Writing Center Resources:](#)

The campus writing center is an excellent resource to help you with your rough and final draft papers. The writing center is available as follows:

- [Online Drop Box](#), The Online Drop Box is an asynchronous service whereby students submit a document and receive feedback in about four business days. CU Anschutz students might be especially interested in our [Principles of Scientific Writing Handout](#). More handouts available on the [How-To Guides page](#).

[Biostatistical support](#) – The Research Consulting Laboratory is available for teaching on statistical approaches without charge to Research Track students. Please be sure to identify yourself as a Research Track/MSA student.

Research Track Mentor Expectations:

- Meet with students to explore projects and develop an Individualized Research Plan (to be used Work with the student to develop a plan that is feasible in the limited time available to a medical student, will lead to a first-author publication, and where the manuscript reflecting the results obtained in Phases I and II can be deferred to Phase IV for submission.
- Sign off on student agreement, including meeting/communication schedule, and work on your professional relationship
- Review student's critical literature reviews
- Work with the student on data collection and analysis
- Help the student develop a first author paper
- Help develop and review the work plan and timing
- Work with the student to write abstracts and to choose an appropriate scientific meeting for abstract submission and attendance during Phase IV
- Help the student gather, analyze and prepare for capstone presentation
- This is a 4-year project-- the mentor and student should work together for that entire period
- Always be attentive to the student's rigor and professional development.