Charlotte Research Scholars
Mentor Orientation

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Acknowledgements

• **Academic Affairs**
  Especially Provost Lorden and Senior Associate Provost Raja

• **Charlotte Research Institute**
  Especially Vice Chancellor Wilhelm

• **Graduate School**
  Where the program is administratively located
Acknowledgements

• You (the mentors)
  Without whom this program would not exist

• CRS Organizing Committee
  Katherine Hall-Hertel (GS), Banita Brown (CLAS), Susan Harden (COED), and Nate Fried

• CRS Graduate Assistant
  Elizabeth Ballard

• Graduate School Support Staff
Program overview

• **Summer research program**
  May 23 to July 29 (10 weeks): Research topics span all areas of academic research, ranging from the arts to the physical sciences
  Scholars receive $4000 stipend and mentors receive $500 honorarium

• **Weekly professional development sessions**
  Held in conjunction with four Research Experiences for Undergraduates (REU) programs on campus as well as Charlotte Community Scholars (CCS) and Summer Program to Increase Diversity in Undergraduate Research (SPIDUR)

• **Research Symposium on July 27**
  Scholars from REU, CCS, and SPIDUR programs will also present

• **Applicants**
  > 150 student applications and > 100 submitted faculty projects
The CRS is open to all areas of academic research.
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Common questions

- Who is funding this program?
- Why is the graduate school delivering the program?
- How was I selected?
- What are the expectations of me?
- What do I do if there is a problem?
Who is funding the CRS program? And why is the Graduate School delivering it?

First and foremost, this is an Academic Affairs program that is being managed by the Graduate School.

While not a formal requirement, there is a hope that many of the CRS students will consider applying to graduate school. This is reflected in the program schedule.

For those that are eligible, it is hoped that they will apply for NSF Graduate Research Fellowships, or similar research fellowships for non-STEM programs.

Lastly, it is hoped that the CRS program will help seed new NSF-REU sites/grant applications (and similar programs).
How was my scholar selected?

There was not a simple formula for making selections. Rather, the scholars were selected based on a variety of criteria, in a somewhat hierarchical manner.

Our primary goal was to evenly distribute -- as much as possible -- the selections across all areas of academic research.

Next, we had to make suitable match based on topic between applicant and mentor.

Finally, we considered a number of tertiary factors, including GPA, applicant goals, applicant availability (summer school?), demographic evenness, etc.
What are the expectations of the scholars?

• **Scholars are expected to work “full-time” from May 23 to July 29.** While we do not require time-sheets or audit hours, scholars should average 35 hrs/wk “in the lab.”

• **Scholars must attend & participate in all professional development sessions.** Attendance will be recorded. Approved absences will be dealt with on a case-by-case basis, and must have prior approval by both the mentor and me.

• **Due dates:** Abstract (July 18); Poster (July 27); Final report (Aug 1); and CV (Aug 1)
What are the expectations of the scholars?
Other important points...

• Check email daily, read all CRS messages, and reply promptly when required.
• Report any needs or concerns regarding the project and/or mentor to Dr. Fried as soon as they develop.
• Complete CRS program evaluation, which will be emailed to all scholars at the conclusion of the program.
• Notify CRS Director of awards they receive, professional meetings attended, and/or research papers presented at professional meetings corresponding to this work.
What are expectations of the mentors?

- **Have regular contact with your scholar to provide guidance and direction.** In many instances this might be nearly daily contact, but should be at least weekly.

- **Train scholar in skills required to be successful in his/her research project.** This can be done by you, or by a suitable substitute (i.e., graduate student or postdoctoral fellow).

- **Keep scholar on task** and ensure that he/she turns in all deliverables on time.
What are expectations of the mentors?

More...

• Complete CRS program evaluation, which will be emailed to all mentors at conclusion of the program
• Assist the scholar in writing
• Attend social events (if possible)
• Acknowledge CRS on any publications, research posters, and oral presentations where the student serves as a coauthor corresponding to this work
TWELVE TIPS

Twelve tips for supervising research students

ZARRIN SEEMA SIDDQUI & DIANA R. D. JONAS-DWYER
University of Western Australia, Australia

Abstract

Background: Research supervision is a task that requires a set of abilities and skills. Many academics begin research supervision as novices and develop their abilities and skills through experience over time.

Aim: We aim to provide advice about research supervision to prospective supervisors.

Methods: We used critical reflection of our experiences, including feedback received from students under supervision as well as advice from the literature to develop these tips.

Results: Twelve tips are presented to assist faculty with research supervision.

Conclusion: Research supervision is an important component of many medical academics’ work. Beginning supervisors need to understand the dynamics and practicalities of supervision before they embark on this process.
What do I do if there is a problem?

Preferably problems related to research and other day-to-day issues will be addressed between you and your scholar. I can always intervene if needed or requested, but would prefer to not do so.

See me if you have any other type of problem. Please let me know ASAP if you have logistical problems where I can be of assistance.
Required Professional development sessions for Students

May 25  Responsible conduct of research (Dr. Rasmussen)
June 1   Professional writing (Drs. Wickliff and Minslow)
June 8   NSF Graduate Research Fellowships (Drs. Rabinovich and Walker)
June 15  3-Minute Thesis (Dr. Fried)
June 22  Thinking about graduate school (Dr. Hall-Hertel)
June 29  Research fellowship opportunities (Ms. Brown)
July 13  Research Posters (Dr. Mays)
July 20  Academic resumes (Dr. Boyd)
July 25* 3MT® practice session (Dr. Fried)

July 27  Research Symposium @ Student Union

* Note: not a Wednesday
Required social events for Students

Friday, June 24  
Cookout

Friday, July 22  
Ice cream social and scavenger hunt

Wednesday, July 27  
Summer Research Symposium
Summer Research Symposium
3 Minute Thesis

From the University of Queensland website: *Three Minute Thesis (3MT®) is a research communication competition developed by The University of Queensland which challenges research higher degree students to present a compelling oration on their thesis and its significance in just three minutes in language appropriate to a non-specialist audience.*

We use the 3MT® format as part of the Summer Research Symposium poster judging. Presenters will get three minutes to summarize their research to the judges, and then an additional five minutes for technical Q&A.
Content on the CRS website ([http://graduateschool.uncc.edu/CRS](http://graduateschool.uncc.edu/CRS))

Professional development session slides (will be updated as developed)

The CRS program information:

-- Calendar, participant list, and these slides

Guidelines for deliverables:

-- Abstract, poster, CV, and final report

Additional useful info:

-- Information about graduate school and research posters
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