INTRODUCTION TO SUMMER RESEARCH OPPORTUNITIES for MEDICAL STUDENTS

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Why Do Research?

• Passion and desire to learn more about an area and do research

• See how it might fit into your career plans

• Develop mentor relationships
There are two main summer research programs:

1) Student Biomedical Research Program-primarily local research in Ann Arbor with U of M faculty.

2) Global Reach-4 or 5 faculty-led programs in Africa or South America.

Tania Piotrowski will speak later in this session about Global Reach.
UM Summer Biomedical Research Program

Deadlines

• Global Reach will select students by Mid November.

• SBRP-need to pick mentor by December 15. (Limit 2 students per mentor). Final proposal from mentor and student due end of January. Students selected early in March.
We will now discuss Summer SBRP

Distinct from Pathways of Excellence
UM Summer SBRP

- Information available on the website: [http://medstudents.medicine.umich.edu/student-business/research-opportunities](http://medstudents.medicine.umich.edu/student-business/research-opportunities)
- A mentored 10-week research training experience
- Stipend of approx. $4,600 for 10 weeks
- Must be done with University of Michigan faculty member, with work done in UM system, in Ann Arbor (unless international)
- Can be clinical, basic science, translational, health services or medical education
- Forty hrs. per week effort on research
At the conclusion of the program you will prepare an abstract and present your work at the:

- Fall Biomedical Research Forum
  - Poster presentation at a scientific meeting
  - This year’s Research Forum is Monday Nov 7th, 2016

- NOTE: Funding may be available to present summer research at other scientific meetings
2014 SBRP Summer Program
Research Areas

Research Focus of Proposals

65% Clinical
24% Basic Science
1% Medical Education
10% Health Services Research
The End Product

- About 15 - 20% of SBRP experiences result in student-authored original research publication
- About 20% result in student presentation at national or regional scientific meeting
- 100% result in a presentation at the Fall Biomedical Research Forum
How is the Program Funded:

- NIH (National Heart Lung Blood Institute) Training Grant (32 spots)
- Medical School Endowments
UM Summer Biomedical Research Program

The SBRP Application
(2-3 pages)

- Title
- Hypothesis
- Background
- Research Design and Methods
- Specific Activities of Student
- Significance
- References
Proposals are scored by the Committee For Student Biomedical Research:

Five committee members review each application
UM Summer Biomedical Research Program

Criteria (5 points each)

1. Clear statement of problem, research question and hypothesis.
2. Evidence of scholarly and critical literature review.
3. Research design and methodology are appropriate to answer the research question/hypothesis.
4. Student/mentor relationship is strong, and there is evidence of active mentoring throughout the proposal.
5. Student role and activities are clearly defined.
UM Summer Biomedical Research Program

Results of last year’s review:

- 143 received
- 124 Funded

(Separate from students funded through Global Reach)
Keys to a Good Research Experience (and Funding)

- Pick a good mentor
- Pick a good mentor
- Pick a good mentor
- Select a topic you are enthusiastic about
- Stable, nurturing research environment
- Realistic expectations
- Stable funding
- Opportunity for continuing involvement
Find a Mentor by Dec 15

1) Particular interest
2) Research you have previously worked on
3) Specialty you are considering

Only 2 students per mentor
UMMS Summer Biomedical Research Program

Help in Finding a Mentor

1. Previous SBRP students
   - Recent Projects
   - Attend SBRP Forum

2. Interest Groups

3. Department Contact
   - Committee for Student Biomedical Research

4. Databases
• Search Databases

• 1) **Search Mentor List**

But mentor does not have to be on list—has to be a University of Michigan Faculty
• Search Databases

• 1) Mentor List/Previous Projects

• 2) Visit Center Websites

• http://med.umich.edu/medschool/about/dept.htm
Search Databases

1) Mentor List
2) Medical Center Websites
3) Experts Website

http://experts.umich.edu/
Selecting an SBRP Research Summer Research Mentor

- Next need to select mentors:
  - Check if they are on Mentor List
  - Do they answer back in a timely fashion?
  - Check on experience, ask about previous students and results
  - Who will provide supervision?
  - Who is on the Research Team?
  - What is the work environment?
  - What is your exact role?
Ensuring Funding

Additional Information on Funding

1) **T35 training grant** (32 positions to be funded). Our mentor list will be updated to indicate which mentors participate in this program.

2) **Summer fellowships**

After you pick your mentor you can determine if you are eligible to apply for one of these programs.

If you want to do research outside of our medical school in another city, you can get funded by one of these fellowships.
Selecting an SBRP Research Summer Research Mentor

Other Summer Research Opportunities:

Tania Piotrowski-Global Reach
Shannon Marshall-MiCHR Summer Programs
Dr. Lilian Min-MSTAR Aging Research Program
Julia Herzog-O’Brien Renal Center
Where do I get:

- Questions, assistance - see Denise Brennan, Office of Student Programs, 763-6362, or denisebr@umich.edu, or
- See the website: http://www.med.umich.edu/medstudents/student_services/research/
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