Objective: The primary objective of the MARC U-STAR training program is to increase the number of highly trained underrepresented biomedical and behavioral scientists in leadership positions that can significantly impact the health-related research needs of the Nation. To achieve this overarching objective, the program supports the academic preparedness and research training of honors undergraduate STEM majors to prepare students to pursue Ph.D. degrees (or combined degrees like M.D./Ph.D.) in biomedical and behavioral sciences at highly selective graduate institutions.

What MARC fellows do and receive:

- Partner with a faculty mentor and learn to perform research in their lab for up to two years.
- Attend and present research at national professional conferences in their field all over the country.
- Participate in advanced GRE preparation and training.
- Attend workshops on the use of cutting edge technology.
- Obtain honors credits by enrolling in a special MARC research and graduate school preparation course each semester.
- Meet outstanding researchers from leading institutions and graduate programs.
- Participate in summer research at leading institutions (Harvard, the Mayo Clinic, National Institutes of Health, Johns Hopkins University, UTMB, MIT, Baylor, Tufts, etc.) around the country (Puerto Rico, Seattle, New York, etc.)
- Receive academic & financial support.

Who can apply?

- Currently enrolled in at least 15 credits & completed 60 credit hours
- Juniors and Seniors with two more years remaining majoring in: Animal Science, Biochemistry, Bioinformatics, Biology, Mathematics, Chemistry, Microbiology, and Molecular Biology, Physics, EPPWS, AG Biology, WLS, Genetics, Chem. Engineering.
- With a minimum GPA of 3.2

For more information and an application:
Selections are made once a year at the end of the Spring semester.
Call the MARC Program 575-646-3476 or stop by the office in Chemistry Building Room 292
Visit the MARC website: http://marc.nmsu.edu/mruthven@nmsu.edu
The Kirschstein-NRSA program is conducted in compliance with applicable laws that provide that no person shall, on the grounds of race, color, national origin, handicap, or age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity (or, on the basis of sex, with respect to any education program or activity) receiving Federal assistance.

Purpose of Kirschstein-NRSA: To help ensure that a diverse pool of highly trained scientists are available in adequate numbers in the appropriate research areas to assume leadership roles related to the Nation’s biomedical, behavioral and clinical research agenda.

Always There: The Remarkable Life of Ruth Lillian Kirschstein, M.D.

There are very few people who have such a profound impact on their professions that the telling of their life story is also a recounting of the history of their time and place. Ruth L. Kirschstein, M.D., who provided direction and leadership to the National Institutes of Health (NIH) through much of the second half of the 20th century, was one such person. At a moment in time when professional service to the government is often not given the respect it deserves, the story of Ruth’s life, and the positive effect she had on public policy, public health, and the training of several generations of biomedical researchers, should inspire those considering public service and give great satisfaction to those currently serving the nation and the world.

Ruth Kirschstein was the daughter of immigrant parents who weathered the disgraceful prejudice and stereotyping of women and Jews, which would have prevented her professional contributions if not for her perseverance and hard work. She went on to become a key player in the development of a safe and effective polio vaccine, the first woman director of a major institute at the NIH, and a champion of the importance of basic biomedical research and training programs that provided opportunity to all talented students, especially underrepresented minority students.

She was both a guiding force and witness to much of the drama that NIH research brought to the public’s attention: the polio vaccine, the Women’s Health Initiative, recombinant DNA research, congressional budget hearings, and the eventual strong bipartisan support that the NIH now enjoys from both houses of Congress. In an engaging and informal account of Ruth’s life, Alison Davis brings out the humanity and the strength of character that enabled the success of this remarkable public servant.

Michael M. Gottesman, M.D.
NIH Deputy Director for Intramural Research
Bethesda, Maryland
MARC FELLOWSHIP APPLICATION
Please read this application completely before starting the process.

Minimum eligibility requirements: currently enrolled in at least 15 credit hours; at least junior status by next semester with 2 years remaining before graduation; minimum 3.25 GPA; majoring in agronomy, animal science, biochemistry, bioinformatics (CS), biology, chemistry, chemical engineering, environmental science, genetics, horticulture, molecular biology, physics, mathematics, range science or wildlife science.

Today’s Date __/__/______

If you meet these minimum requirements, please read all sections of this application carefully and fill out completely. Incomplete applications will not be considered. Please print legibly.

1. PERSONAL INFORMATION

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First</th>
<th>Middle</th>
<th>Mr.</th>
<th>Miss</th>
<th>Mrs.</th>
<th>Ms.</th>
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<th>Banner ID</th>
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<th>Permanent Resident of U.S.</th>
<th>Birth Date</th>
<th>Sex</th>
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<th>Local Street Address</th>
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<th>State</th>
<th>Zip Code</th>
<th>Local Phone No.</th>
<th>Home</th>
<th>Mobile</th>
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<tr>
<th>Parent’s Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>Parent’s Phone No.</th>
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</thead>
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At which of the above addresses will you be able to receive mail at the end of May or December (depending on when you are applying)?
- [ ] Local
- [ ] Parent’s

Your Employer’s Name | Address | City | State | Zip Code | Employer Phone No. |
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e-mail address that you check most regularly:

While the following information is optional, if you are accepted into the MARC Program it will be needed to complete the Statement of Training Appointment form that we are required to forward to National Institutes of Health (the funding source for the MARC Program) as part of your appointment process.

What is your racial background?
- [ ] American Indian or Alaska Native
- [ ] Black or African American
- [ ] Native Hawaiian or other Pacific Islander
- [ ] Asian
- [ ] White

Are you Hispanic (or Latino)?
- [ ] Yes
- [ ] No

Do you have a documented physical or mental disability?
- [ ] Yes
- [ ] No

Are you economically disadvantaged?
- [ ] Yes
- [ ] No

How did you hear about the MARC Program?
- [ ] Family
- [ ] Friend
- [ ] Work
- [ ] Mail or email
- [ ] Professor ___________________
- [ ] High School Presentation (please indicate high school) ______________
- [ ] Other ______________

2. ACADEMIC INFORMATION

What is your academic major (list all)?

Minor (list all)?

Anticipated graduation date and degree?

Current Classification (Circle One):
- [ ] Sophomore
- [ ] Junior
- [ ] Senior

Total academic hours: __________

Cumulative GPA (do not round): __________

Have you taken the GRE?
- [ ] Yes
- [ ] No

If not, when do you plan to take it?

Have you taken the MCAT?
- [ ] Yes
- [ ] No

If not, when do you plan to take it?

Are you enrolled for a minimum of 15 credit hours on main campus?
- [ ] Yes
- [ ] No

What other sources of financial aid do you currently have? (If accepted, the MARC award may affect your financial aid award).

Updated 2/10/2020
3. MENTOR INTERVIEWS

In order for your application to be complete, you must FIRST interview with the Program Director, Dr. Michael Johnson. Following the initial interview, you must talk to a minimum of six (6) of the professors listed below about laboratory activities. Please see our website (marc.nmsu.edu) for information on all mentor research before setting up interviews.

<table>
<thead>
<tr>
<th>DIRECTOR</th>
<th>DEPT</th>
<th>PHONE</th>
<th>INITIALS</th>
<th>DATE</th>
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<tbody>
<tr>
<td>M. Johnson, PD</td>
<td>Chem/Bioch</td>
<td>646-3627</td>
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<td>A. Ashley</td>
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<td>R. Ashley</td>
<td>Anim Rg Sci</td>
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<td>D. Bailey</td>
<td>Biology</td>
<td>646-7012</td>
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<tr>
<td>J. Berning</td>
<td>Kines/AT</td>
<td>646-3660</td>
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<td>W. Boeig</td>
<td>F&amp;WS</td>
<td>646-1707</td>
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<tr>
<td>C. Brewer</td>
<td>Chem Engin</td>
<td>646-8637</td>
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<td>KC. Carroll</td>
<td>EPPWS</td>
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<td>M. Castillo</td>
<td>Biology</td>
<td>646-7664</td>
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<tr>
<td>N. Chanover</td>
<td>Astronomy</td>
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<td>R. Creamer</td>
<td>EPPWS</td>
<td>646-3068</td>
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<td>J. Curtis</td>
<td>Biology</td>
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<td>R. Foudazi</td>
<td>Chem Engin</td>
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<td>I. Guzman</td>
<td>Plant/En.Sci</td>
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<td>K. Hanley</td>
<td>Biology</td>
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<td>J. Herndon</td>
<td>Chem/Bioch</td>
<td>646-2487</td>
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<td>O. Holguin</td>
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<tr>
<td>J. Houston</td>
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<td>K. Houston</td>
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<td>E. Indriolo</td>
<td>Biology</td>
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<td>S. Ivey</td>
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<td>A. Lara</td>
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<td>S. Lee</td>
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<td>H. Luo</td>
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<tr>
<td>S. Lusetti</td>
<td>Chem/Bioch</td>
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4. PLEASE INDICATE THE FIRST FOUR CHOICES YOU WOULD LIKE FOR A LAB MENTOR:

1st Choice
2nd Choice
3rd Choice
4th Choice

5. PLEASE ATTACH A CURRENT UNOFFICIAL ACADEMIC TRANSCRIPT TO THIS APPLICATION.

PLEASE WRITE A ONE-TWO PAGE STATEMENT THAT INCLUDES THE FOLLOWING:

- A SUMMARY OF YOUR UNDERGRADUATE AND POST-GRADUATE ACADEMIC GOALS
- A DETAILED EXPLANATION OF HOW YOU WILL CONTRIBUTE TO THE ATTAINMENT OF THE PRIMARY MARC PROGRAM GOALS (SEE 1ST SHEET)
- AN INDICATION OF WHAT ABILITIES YOU WILL BRING TO THE MARC PROGRAM
- A DESCRIPTION OF ANY PAST EXPERIENCE, SUCH AS PARTICIPATION IN SCIENCE PROJECTS, OR WORK EXPERIENCE WHICH MAY BE RELEVANT TO PURSUIT OF A CAREER IN BIOMEDICAL RESEARCH

This application will not be considered if it is not filled out completely.

THANK YOU FOR APPLYING. REMEMBER TO KEEP YOUR APPLICATION CURRENT.

Applicant’s Signature: ___________________________  Date: ___________________________

Training tomorrow’s scientists at NMSU since 1977.

Updated 2/10/2020