

SPRING  
2017

# McNair Scholars Program



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## Scholar Achievements

Our scholars have been working hard; here are their most recent achievements!

Saja Abid—Internship at University Hospitals mentoring 8<sup>th</sup> and 9<sup>th</sup> graders interested in the healthcare field

Nicholas Gehler – Research Spring 2017 semester with Dr. Navardi modeling computational fluid dynamics

Uchechukwu Obiako— Internship with Corning Incorporated in New York summer 2017

Maitri Patel— Valedictorian Candidate for 2017 Spring Graduation

Aicha Quamine—Applied for and received grant funding for research from the 2016-2017 Undergraduate Research Award Program

### Graduate and Medical School Applicants:

Jamira Virk, Maitri Patel, Christian Negron, Abdo Boumitri, Enas Muhammad and Carmen Caticchio

### Summer Research outside of the McNair Program: Mishgan Abdullah

### Preparing for 2017 Summer Research Institute:

Cyna Abid, Sierra Bonifant, Ma'taya Hammond, Angelica Houston, Casey Iyrasere, Nadet Najjar, Wanye Nie,

Michael Ortiz, Solomiya Pushchak, Victor Rosa, Asma Saleh, Kimberly Schveder, Jamil Wilson

### Conference Participation:

#### North Carolina A&T University

Ma'Taya Hammond, Taylor Moore, Wanye Nie, Michael Ortiz, and Solomyia Pushchack

#### University of North Texas

Ma'Taya Hammond, Christian Negron, Michael Ortiz, and Shalonda Swanson

### University of Maryland National Conference for McNair Scholars and Undergraduate Research

Ma'Taya Hammond, Angelica Houston, Enas Muhammad, Taylor Moore, Wanye Nie, Michael Ortiz, Solomiya Pushchak, Victor Rosa, Asma Saleh, and Jamira Virk



# WELCOME BACK SCHOLARS!

The list of McNair Scholars continues to grow as each semester progresses.

Our newest scholars in the 2016-2017 cohort include:

Cyna Abid <b>Nursing</b>	Casey Iyasere <b>Biology</b>	Solomiya Pushchak <b>Biology</b>
Sierra Bonifant <b>Psychology</b>	Nadet Najjar <b>Health Sciences</b>	Virtcor Rosa <b>Mechanical Engineering</b>
Ma'taya Hammond <b>Sociology/ Criminology</b>	Wanye Nie <b>Biology</b>	Asma Saleh <b>Biology</b>
Angelica Houston <b>Biology</b>	Michael Ortiz <b>Biology</b>	Kimberly Schveder <b>Mathematics</b>

Other scholars are continuing to work hard to reach their dreams.

Mishgan Abdullah <b>Health Sciences</b>	Aicha Quamine <b>Pharmaceutical Science</b>
Nicholas Gehler <b>Mechanical Engineering</b>	Kia Smith <b>Health Sciences</b>
Jammel McRae <b>Aeronautical Engineering</b>	Shalonda Swanson <b>Psychology</b>
Taylor Moore <b>Speech and Hearing</b>	Celeste Thomas <b>Speech and Hearing</b>
Uchechukwu Obiako <b>Chemical Engineering</b>	Jamil Wilson <b>Biology</b>

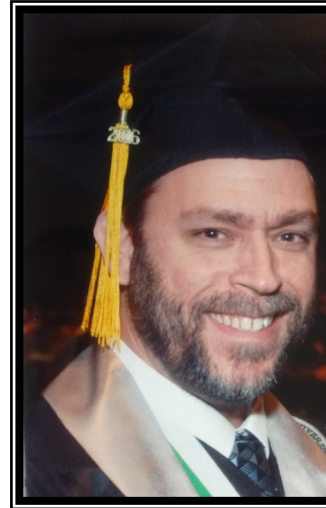
Returning for the last time, some of our scholars are preparing themselves for life after graduation. Although they will be missed, we wish them the best in their future.

Saja Abid <b>Health Sciences</b>	Christian Negron <b>Biology</b>
Christina Adkins <b>Psychology</b>	Yuridia Olivera-Ortiz <b>Health Sciences</b>
Abdo Boumitri <b>Biology</b>	Lana Osorio <b>Occupational Therapy</b>
Carmen Caticchio <b>Biology</b>	Maitri Patel <b>Biology</b>
Rana Faraj <b>Health Sciences</b>	Jamira Virk <b>Biology</b>
Enas Muhammad <b>Biology</b>	

## Fall 2016 Graduate: Michael Keller

"I graduated in December of 2016 with a Bachelor's of Science in Biology and a teaching license for grades 7 through 12.

I am currently serving as the long term



2016 Fall Commencement Ceremony

substitute teacher at Brunswick High School for 9th grade, teaching physical science.

I feel fortunate to have been (and continue to be a part of) the

McNair Scholars Program. The friendships and networking contacts that I have made have been invaluable. I am fortunate to have participated in the summer research project, as well as having presented my completed research at the 81st Malacological Society conference in Michigan in August of 2015."

## Springtime Changes

This Spring semester marks a new time for our scholars. The new cohort has completed their first semester with the program: meeting other scholars, getting to know their mentors, and preparing to do their first summer of research.

Others are preparing for their graduation by completing their final courses and planning for their next educational adventures by pulling all of their undergraduate experiences together for their CV and finalizing graduate school applications.

# McNair Faculty Mentors

In the program, students are required to have two faculty mentors: one within their field of interest, a Discipline Faculty Mentor (DFM); and one outside their field, a Non-Discipline Faculty Mentor (NDFM).

Qualifications to be a mentor include: being currently working on research, having a terminal degree in your field, possessing a full-time faculty position, desiring to equalize opportunity for underrepresented individuals, and being committed to the goals of the Roland E. McNair Scholar Program.

Mentors help the students to conduct research, write about their findings for presentation and possibly publication, gain hands on experience in their field of interest, and build professional relationships, in addition to providing letters of recommendation for scholars.

Students are encouraged to choose their mentors based on their own career goals and research interests. However, not all students are aware of the interesting research professors are conducting.

If you are interested in becoming a mentor, please contact the McNair Office. We will help link a student to you who has expressed interest in the same area as your current research.

## Contact email:

[McNairProgram@csuohio.edu](mailto:McNairProgram@csuohio.edu)

## Information online:

[www.csuohio.edu/mcnair-scholars/documents](http://www.csuohio.edu/mcnair-scholars/documents)

## Discipline Faculty Mentors

The role of the Discipline Faculty Mentor (DFM) is to provide their mentee with research opportunities in their undergraduate education to lead to discovery of career interests. The McNair Program's Summer Research Institute helps to facilitate such research and enables students to present their work at national conferences with other McNair Scholars.

Students participate in the DFM's research over the summer for eight weeks to meet program requirements.



Scholar Mishgan Abdullah with her mentor Dr. Maureen Whitford at Fall 2016 Poster Day

This experience helps scholars to gain research experience in their field of interest and to build professional relationships.

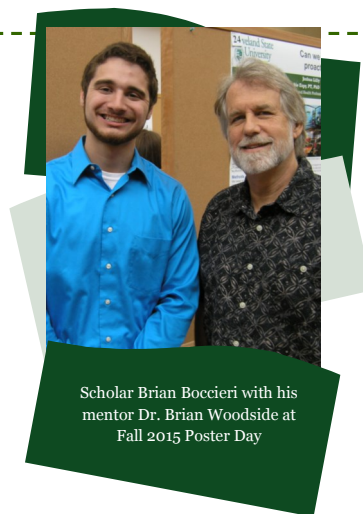
The commitment a faculty mentor has to the scholar includes meeting with the student monthly during the school year, participating in the Summer Research Institute, and providing advice about creating a presentation for national conferences.

## Non-Discipline Faculty Mentors

The role of the Non-Discipline Faculty Mentor (NDFM) is to provide their mentee with an interdisciplinary perspective of STEM research. The NDFM helps to develop and define wide-range research topics with a scholar, to increase the student's confidence in interacting with faculty, and to introduce the scholar to the life of academics.

The NDFM additionally reviews scholars' research and presentations, and encourages scholars. This is the supportive role the NDFM is taking on.

Most importantly, the NDFM derives satisfaction from the relationships with their mentee and from their service to Cleveland State University students in the McNair Scholar Program.



Scholar Brian Bocciari with his mentor Dr. Brian Woodside at Fall 2015 Poster Day

# SPRING 2017

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Education TRIO Program



## Information

The McNair Scholars Program is named after the late Dr. Ronald E. McNair, an African American physicist and NASA astronaut who perished in the explosion of the Challenger space shuttle in 1986.

Federally sponsored by the U.S. Department of Education, the program prepares participants for Ph.D. programs through involvement in research and other scholarly activities.

Participants come from groups underrepresented in higher education and/or from economically disadvantaged backgrounds, and they additionally demonstrate strong academic potential in STEM disciplines.

# WORD SEARCH

P	S	Y	C	H	O	L	O	G	Y	T	T	N	V	L	E
Y	Y	T	N	E	M	E	V	E	I	H	C	A	N	A	L
G	H	L	N	A	I	N	Y	G	O	L	O	I	B	N	G
O	T	A	A	E	T	A	U	D	A	R	G	N	N	O	N
L	L	C	R	E	S	E	A	R	C	H	T	N	C	I	I
O	A	I	L	R	A	S	R	A	L	O	H	C	S	T	R
I	E	T	M	A	T	H	E	M	A	T	I	C	S	A	E
C	H	U	Y	R	I	G	N	I	R	A	E	H	S	N	E
O	E	E	G	T	I	C	L	E	V	E	L	A	N	D	N
S	E	C	A	R	I	S	C	O	M	A	S	T	E	R	I
E	T	A	I	R	O	S	S	E	F	O	R	P	R	S	G
E	E	M	I	R	I	O	R	S	T	O	T	O	S	P	N
T	E	R	O	R	I	A	O	E	N	R	T	I	S	E	E
E	E	A	A	A	S	A	N	A	V	C	I	E	S	E	L
E	E	H	A	H	I	O	L	C	O	I	T	O	L	C	A
I	A	P	G	R	E	D	O	D	M	I	D	C	L	H	C

ACHIEVEMENT	GRADUATE	NASA	RESEARCH
BIOLOGY	HEALTH	NATIONAL	RONALD
CLEVELAND	HEARING	PHARMACEUTI- CAL	SCHOLAR
DIVERSITY	MASTER	PROFESSORiate	SOCIOLOGY
DOCTOR	MATHEMATICS	PSYCHOLOGY	SPEECH
ENGINEERING	MCNAIR		TRIO

## Summer Conferences

**May 18-20:**  
University of Washington  
Annual McNair Conference

**May 30- June 3:**  
Graduate School Prep Camp  
at Camp Cadiz, Kentucky

**June 22-25:**  
SAEOPP McNair/SSS Scholars  
Research Conference in  
Atlanta, Georgia

**June 27-29:**  
23rd Annual University at  
Buffalo Undergraduate  
Research Conference

**July 27- 30:**  
McNair Scholars Symposium  
at The University of California  
Berkeley

## Spring Workshops

**January:**  
*Resumes, CV, and Personal  
Statements* by Mary McDonald

**February:**  
*Choosing, Managing, Repaying  
Student Loans Workshop* by  
Michael Almony

**March:**  
Scholar Mixer with the  
Urban Health Fellows

**April:**  
Student Success