

THE HALMOS COLLEGE OF NATURAL SCIENCES AND OCEANOGRAPHY AT NOVA SOUTHEASTERN  
UNIVERSITY AND  
MD ANDERSON CANCER CENTER, HOUSTON, TEXAS  
**SUMMER 2018 BIOLOGY STUDENT INTERNSHIP PROGRAM APPLICATION**

THIS FORM MUST BE NEATLY TYPED. (DO NOT TYPE ON THE REVERSE SIDE OF ANY FORMS). **Note: Save this Word document to your computer first and then complete it. ALL FINAL APPLICATION MATERIALS (ELECTRONIC COPIES) MUST BE RECEIVED NO LATER THAN November 17, 2017!**

Submit ALL MATERIALS to: Aarti Raja, Ph.D.; Office: Parker 140; TEL: (954) 262-7975; Email: aarti.raja@nova.edu

**SECTION I: DESCRIPTION OF PROGRAM**

The Halmos College of Natural Sciences and Oceanography at Nova Southeastern University provides foundational study in core and emerging disciplines and technologies to prepare students for graduate and professional study, career development, and responsible citizenship. The College highly values our partnerships with the basic science/clinical researchers of MD Anderson Cancer Center.

At the MD Anderson Cancer Center, students are matched with a mentor from MD Anderson's research or clinical faculty. Participants work alongside the mentor in a lab or clinic on projects designed by faculty to reflect current research. Workshops and lectures provide opportunities to connect with faculty, residents, postdoctoral and clinical fellows, and other participants. Through the program, students assess goals related to careers in oncology research and patient care. The program culminates with a symposium in which participants present talks and posters on their research projects to peers and faculty.

The **Biology Student Internship Program** is a unique collaboration between NSU and the MD Anderson Cancer Center, which allows for intercampus and institutional interaction in multiple medical disciplines whereby young scientists gain exposure, direction and guidance during their developing career paths. The benefits of this program are as follows:

- To foster intercampus and inter-institutional collaborative relationships on both a national and international level
- To educate and train young scientists
- To produce outcomes that will allow for successful acquisition of extramural support.

This collaborative venture with our partners will contribute to the leadership of all institutions in basic science and medical education and help to meet the needs of our national community through basic science and academic training, high-quality collaborative relationships and gaining the interest and exposure from future basic scientists/clinicians and the community.

**Participant Eligibility.** Any individual desiring to participate must have JUNIOR or SENIOR ranking and be a returning registered student for Fall 2018. Other criteria include: an overall GPA of 3.0 and a GPA of 3.0 in basic sciences. Candidates must submit an application inclusive of a written statement discussing the reason(s) why participation is desired, and an Official University Transcript of Grades or equivalent Capp report. Three letters of recommendation must also be included: 2 from basic science faculty, and 1 other. All application materials must be received by the Biology Student Internship Program Committee (BSIPC) no later than **November 17, 2017. The time line follows below.**

**Time Line Summary**

Friday, September 22, 2017

Friday, November 17, 2017

November 18-November 27, 2017

Nov 27-Dec 1, 2017 (class last week)

January 8-12, 2018

January 16-19, 2018

Friday, January 19, 2018

Friday, January 26, 2018

**Summer 2018 Application Process Begins**

**Summer 2018 Application Deadline**

**BSIPC reviews applications and qualifies applicants for an interview**

**BSIPC interviews the qualified candidates and selects up to four finalists**

**MD Anderson summer research Program Directors may conduct interviews by phone or face-to-face with finalists**

**The BSIPC committee will present proposed recommendations to the Dean and to the biology department chair and await confirmation**

**The confirmed Awardees and the alternates will be informed of their selection by the BSIPC.**

**Awardees deadline to notify the BSIPC in writing accepting their internship program by signing a contract.**

<b>Monday, February 05, 2018</b>	<b>Awardees begin preparation training for their internship by the committee members.</b>
<b>Friday, April 20, 2018</b>	<b>Awardees must satisfactorily complete all requirements including travel documents in preparation for the summer internship.</b>
<b>Monday, June 4, 2018</b>	<b>Summer Internship begins. Student interns communicate regularly with their NSU faculty mentor</b>
<b>Friday, August 10, 2018</b>	<b>Summer Internships End Summer Interns complete all requirements and turn in assignments for grading to their NSU Faculty Mentor</b>
<b>Fall, 2018</b>	<b>Summer Interns do presentations of their summer internship experience to students, faculty and staff</b>

**BSIPC Role.** The Biology Student Internship Program Committee (BSIPC) will qualify and rank candidates and select those who will be granted a face-to-face interview by the committee. Following the BSIPC interviews, up to eight finalists will be identified. Additional interviews of the finalists by the respective partner institutions either by phone or face-to-face may also take place.

**Length & Location of Internship.** There are up to **two ten-week internship positions available for summer 2018** at the MD Anderson Cancer Center. In the event that the original internship Awardees to the internship, declines their internship or during their BIOL 4950 course changes his or her mind, one of the alternates may be selected to replace that Awardee.

**Program Outline.**

- A. MD Anderson Cancer Center.** The purpose of the Program is for student to gain experience in various research techniques. Activities during this program will include performing molecular biological experiments and possible animal studies, conduct molecular biology and model organism experiments, western blot and northern blot, operate laboratory apparatus and equipment, analyze experiments and tissue culture techniques. The intern’s primary responsibility includes conducting research on challenging basic research and clinical projects. Students learn lab safety practices and techniques for gathering, analyzing and presenting scientific data.
- B. Course Credit.** Awardees of internships will be required to register for 3 credits of BIOL 4950 (Internship in Biology) at Nova Southeastern University. A\The awardee must maintain a “daily journal”; write a summary paper and turn in all required assignments **by July, 2018**. The paper will be critically reviewed and commented by the supervisors at NSU and graded by their assigned NSU Faculty Mentor for a final assignment of course grade.

The Awardee shall be required to give a presentation of their internship/research experience to faculty and students at Nova Southeastern University upon their return to campus in the fall of 2018.

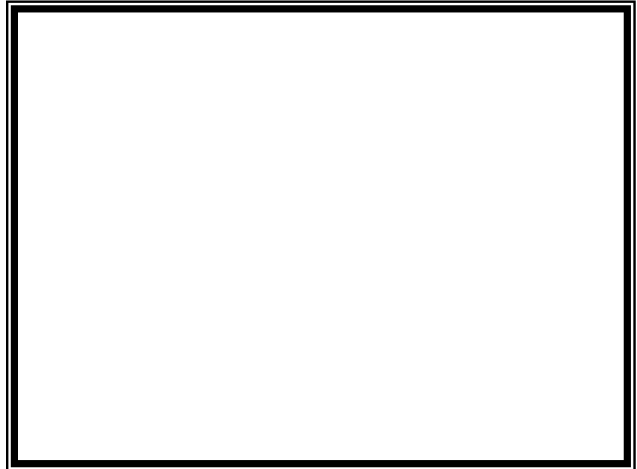
Check below Your Choice OF program for The Summer 2018 Biology Student Internship Program

MD Anderson Cancer Center

**SECTION II: PERSONAL IDENTIFICATION INFORMATION**

Prefix:  Mr.  
 Mrs.  
 Ms.  
 Miss.

Please, attach your photograph here (required).



Name: \_\_\_\_\_  
(last) (first) (middle)

Address: \_\_\_\_\_  
(number) (street)  
\_\_\_\_\_  
(city) (state) (zip code)

Date of Birth: \_\_\_\_\_ Age: \_\_\_\_\_

Telephone: \_\_\_\_\_ Telephone: \_\_\_\_\_  
(primary) (area code) (number) (cell) (area code) (number)

Email: \_\_\_\_\_

NSU Student N#: \_\_\_\_\_  
(Required)

**SECTION III: DEMOGRAPHIC INFORMATION**

*This information is kept for statistical reporting and possible reporting in compliance with the EEO/AAA requirements. Your responses are voluntary, and your cooperation in providing this information is appreciated.*

*Race/Ethnicity: (Please choose the category that best describes you).*

**American Indian or Alaska Native** (People having origins in any of the original peoples of North and South America, including Central America, and who maintain tribal affiliation or community attachment.)





Address: \_\_\_\_\_

Telephone: \_\_\_\_\_  
(area code) (number)

By placing an "X" in the box at the right, you certify that your medical (i.e., health) insurance coverage is current.  My Coverage is Current.

*This information will be kept confidential and only released to medical personnel who would treat you if injured during this program.*

**SECTION VII: CERTIFICATION OF TETANUS VACCINATION**

*By placing your signature in the space provided below, you certify that your tetanus vaccination/booster is current, and that if injured during the course of dissection requiring tetanus booster, you, and/or, your insurance carrier will cover the cost of said treatment.*

Signature: \_\_\_\_\_

**SECTION VIII: EDUCATION**

*Please, begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training (most recent first). [This information is required.]*

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY & GPA

**A. Awards and Honors.** List in reverse chronological order previous positions, any honors, certifications, awards, recognitions or memberships.

**B. Selected publications, abstracts and/or presentations (most recent first).** Do not include publications submitted or in preparation.

**C. Unique Experiences that you feel make you qualified for this program.**

**D. Have you ever spent time abroad in another culture? Explain.**

**SECTION IX: EMPLOYMENT HISTORY**

*Please, list most recent first.*

INSTITUTION AND LOCATION	POSITION (title)	YEAR(s)	RESPONSIBILITIES

**SECTION X: REFERENCES**

*Please, list three (3) individuals from whom letters of recommendation will be received. Two of whom must be Halmos science faculty. You may provide up to two (2) additional references who may be contacted if deemed necessary.*

*Letters will be received from:*

**First:**

Prefix:     Dr.         Mr.         Mrs.         Ms.         Miss.

Name: \_\_\_\_\_  
(last) (first) (middle)

Title: \_\_\_\_\_ Relationship: \_\_\_\_\_

Address: \_\_\_\_\_  
(number) (street)  
\_\_\_\_\_  
(city) (state) (zip code)

Telephone: \_\_\_\_\_  
(area code) (number)

**Second:**

Prefix:  Dr.  Mr.  Mrs.  Ms.  Miss.

Name: \_\_\_\_\_  
(last) (first) (middle)

Title: \_\_\_\_\_ Relationship: \_\_\_\_\_

Address: \_\_\_\_\_  
(number) (street)  
\_\_\_\_\_  
(city) (state) (zip code)

Telephone: \_\_\_\_\_  
(area code) (number)

**Third:**

Prefix:  Dr.  Mr.  Mrs.  Ms.  Miss.

Name: \_\_\_\_\_  
(last) (first) (middle)

Title: \_\_\_\_\_ Relationship: \_\_\_\_\_

Address: \_\_\_\_\_  
(number) (street)  
\_\_\_\_\_  
(city) (state) (zip code)

Telephone: \_\_\_\_\_  
(area code) (number)

**Additional 1:**

Prefix:  Dr.  Mr.  Mrs.  Ms.  Miss.

Name: \_\_\_\_\_



(last) (first) (middle)  
Title: \_\_\_\_\_ Relationship: \_\_\_\_\_  
Address: \_\_\_\_\_  
(number) (street)  
\_\_\_\_\_  
(city) (state) (zip code)  
Telephone: \_\_\_\_\_  
(area code) (number)

**Additional 2:**

Prefix:  Dr.  Mr.  Mrs.  Ms.  Miss.  
Name: \_\_\_\_\_  
(last) (first) (middle)  
Title: \_\_\_\_\_ Relationship: \_\_\_\_\_  
Address: \_\_\_\_\_  
(number) (street)  
\_\_\_\_\_  
(city) (state) (zip code)  
Telephone: \_\_\_\_\_  
(area code) (number)

**SECTION XI: PERSONAL STATEMENT**

*In no more than 500 words, discuss your reasons for participation in the Biology Student Internship Program.*  
**[Required. This can be attached separately.]**

**SECTION XII: CHECK-OFF LIST**

- GPA requirement met
- Transcript or equivalent
- 3 letters of recommendation
- Photograph
- Proof of medical insurance
- Personal statement
- Completion of all pertinent sections

**SECTION XIII: FINAL ATTESTATION STATEMENT**

*By placing your signature in the space provided below, you certify that all of the information you provided is true and accurate, that you will abide by the Student Handbook and Student Code of Conduct, and that you will be registered for classes for the Fall 2017 semester.*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**END OF FORM**