University of Central Florida - Nanoscience Technology Center
NSF REU Site: Engineering and Nanoscience of Materials and Device Applications in Biotechnology and Medicine

APPLICATION PACKET CHECKLIST

The applicant should complete and return to:
(Email submission of materials is encouraged where possible.)

Drs. A. Gesquiere and S. Seal
REU 2017 UCF NanoScience Technology Center
12424 Research Parkway Suite 400
Orlando, FL, 32826
Email: andre@ucf.edu or Sudipta.Seal@ucf.edu

the following:

- ☐ **Student Application pages (Pages 2-3)**
- ☐ **Ranking of Project Preference (Page 4)**
- ☐ **Statement of Understanding (Page 5)**
- ☐ **Letter of Interest (Instructions Page 6)**
- ☐ **Transcripts (Instructions Page 6)**

Applicant sends to persons writing the recommendations:

- ☐ **Recommendation form (Page 7) after completion by applicant**

To be completed by your references (two references required)

- ☐ **Evaluation form (Page 8) send to person writing your recommendation**
- ☐ **Letter of Recommendation.**
- ☐ **<u>All three (3) of the evaluation documents</u> (page 7, page 8, and letter of recommendation) must be sent directly from the email or mailing address of the person writing the recommendation to the REU director.**

Deadline: 15 March 2017

Selection of the Summer REU interns will be made as applications are received and will continue until all positions are filled. Incomplete applications will not receive full consideration.

For more information and questions:

Email: andre@ucf.edu or Sudipta.Seal@ucf.edu

Web site: http://nsfreunano.research.ucf.edu/

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STUDENT APPLICATION

Please type or print clearly and answer each question completely.

1. Full legal name

_____
Last First MI

2. Country of Citizenship: _____

If not US citizen, alien status: _____Registration # _____

3. Social Security Number: _____

4. Permanent (Home) Mailing Address:

_____
Number and Street or P.O. Box

_____
City State Zip Code

_____
Phone #

5. Emergency Contact: Name: _____ **Phone #:** _____

6. Current Mailing Address, Telephone:

_____
Number and Street or P.O. Box

_____
City State Zip Code

_____ _____
Phone #

7. Applicant E-mail address: _____

8. Birth Date
Month_____Day_____Year_____

9. Gender
M/F_____

10. Ethnicity _____

11. Current Undergraduate Institution

_____
Institution Name

12. Academic standing

High School GPA: _____

Current degree program(s) in which you are enrolled: _____

_____

Undergraduate Overall GPA: _____

GPA in your Major: _____

Are enrolled in any Minor tracks? _____ If yes, which one(s) and what are the GPA's?

_____

What is your expected date of Graduation from your Major? Month_____ Day_____Year_____

13. Future Interest: after receiving your degree, are you interested in graduate school, medical school, law school, other professional school, full-time employment, or "not sure?"

_____

14. Academic Awards/Recognition: list any academic awards or scholarships you have received while in college

_____

_____

15. Briefly describe any previous research activities you have completed as independent study, hourly work, or internships, including any resulting publications and/or presentations.

_____

_____

_____

16. Have you ever been convicted of a felony? No_____ Yes _____(attach explanation)

17. How did you hear about the REU program? Check one:
from □NSF flyer □poster □one of your professors □online □other

18. Briefly explain why you would like to participate in the REU program: (Use additional Page)

19. I hereby certify that to the best of my knowledge the information furnished on this application is true and complete without evasion or misrepresentation. I understand that if found to be otherwise, it is sufficient cause for rejection of my application or dismissal from the REU program.

_____

Applicant's Signature Date

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Ranking of Project Preference

Please review http://nsfreunano.research.ucf.edu/projects.php and indicate your 3 choices of research (3 choices ranked as 1,2,3) in your application.

My top 3 ranking of projects:

1. _____

2. _____

3. _____

Ranking of projects will be considered but cannot be guaranteed.

_____

Applicant's Signature Date

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STATEMENT OF UNDERSTANDING

Applicants should read and sign this Statement of Understanding acknowledging acceptance of the requirements and provisions of the **Summer NSF REU Site hosted by NSTC at UCF**.

□The primary purpose of the Nanotechnology REU Program is to gain experience in advanced research approaches and techniques in Nanoscience and Engineering and in written and oral presentation of research outcomes.

□The REU Program centers around the REU student-faculty and REU student-graduate student mentor relationships by which each student is guided in conducting independent research.

□The REU student is expected to work independently in an unstructured environment, which is typical of research.

□The REU student will deliver a publication ready manuscript draft at the end of the summer program, and make a final oral/poster presentation of project results at a special symposium during the last week.

□The REU student will participate in all the academic components of the program including the first-week workshops in nanotechnology research methods, safety training, reporting research results, communication skills, and environmental ethics, as well as seminars and group meetings during the rest of the summer session.

□The participant will devote full-time to the REU Program during the 10-week summer session. He/she will not take part in other academic or work activity such as attending classes or holding a job.

□In general, housing will be provided for the REU student. Exceptions can be made contingent on approval of the REU Program director, but students should not expect that funds from the REU Program be used to subsidize off-campus housing.

□The NSF-REU Site at UCF's NSTC provides all summer interns with stipend of $6000 for program completion, travel reimbursement up to $500, furnished housing and access to UCF campus facilities.

□The REU program has the option of dismissing a student from the program who does not follow the requirements and expectations listed above.

I hereby certify that I have reviewed this Statement of Understanding and I agree to the NSF-REU Site Program and the University of Central Florida requirements and provisions.

_____
Signature Date

_____
Print: Last Name First Name MI

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LETTER OF INTEREST

Please describe on a separate sheet (1-3 typed pages) your interest in the REU Program on BioNanotechnology at the University of Central Florida. The purpose of this letter of interest is to let us know your personal goals related to the summer research program and your interests in nanotechnology research in general. Include your post-graduation professional plans as they relate to the materials science and engineering and the field of nanotechnology including Physics, Chemistry, Biology and Engineering. In addition, address how the REU summer program would fit in with your previous experience from coursework, research/independent study, and/or jobs you have had. Finally, indicate specific research interests you may have in materials engineering, chemistry, physics, biology, engineering, … that match the research areas described in the Program brochure or on the program web site

Your name should be on all pages of your letter of interest.

TRANSCRIPTS

Please submit a student copy of your transcripts of all your college coursework AND have official transcripts sent directly to the REU Program at the following address:

Drs. A. Gesquiere and S. Seal
REU 2017 UCF NanoScience Technology Center
12424 Research Parkway Suite 400
Orlando, FL, 32826

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RECOMMENDATION FORM

Applicant: Please give the form to your recommender who should return it directly to the REU Program director.

Applicant's Name_____

Recommender's Name_____

Waiver (optional): In accordance with the Family Education and Rights and Privacy Act of 1974, you may waive the right to review this recommendation by signing below. If you do not waive this right, you will have access to this recommendation should you become a REU Program participant.

I hereby waive my right of access to this letter of recommendation:

_____

Applicant's Signature Date

All letters of recommendation become the property of the REU Program at NSTC, University of Central Florida.

Recommender: The applicant named above is applying for admission to the University of Central Folrida's Research Experience for Undergraduates (REU) hosted by the NanoScience Technology Center, University of Central Florida, sponsored by the National Science Foundation.

In a separate letter, please comment on:

- Applicant's academic performance and scholarly potential
- Applicant's potential for success in an intensive 10-week research internship in nanotechnology and in graduate school
- Applicant's maturity, motivation, and ability to work independently

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Evaluation of Summer REU Applicant

Applicant's Name:_____

How long have you known the applicant:_____

In what capacity do you know the applicant:_____

	Superior	Good	Average	Below Average	Poor
Ability in Science/Engineering	5	4	3	2	1
Ability in Mathematics	5	4	3	2	1
Written Communication	5	4	3	2	1
Oral Communication	5	4	3	2	1
Initiative and Motivation	5	4	3	2	1
Perseverance	5	4	3	2	1
Reliability	5	4	3	2	1
Leadership	5	4	3	2	1
General Academic Standing	5	4	3	2	1

(Please leave those items blank for which you have not had an adequate opportunity to observe the applicant.)

Describe the applicant's abilities and comment on his/her potential as a scientist/engineer. How do you rate applicant in all-around ability relative to other students you have known? ( )Outstanding (top10%) ( ) Good (high15%) ( ) Average (middle25%) ( )Below Average (low 50%)

Please email (encouraged) or send this form and your signed letter to the following address by March 15, 2017:

Drs. A.Gesquiere and S. Seal
REU 2017 UCF NanoScience Technology Center
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Orlando, FL, 32826

Email: andre@ucf.edu or Sudipta.Seal@ucf.edu

Recommender's Name _____

Title: _____

Address: _____

e-mail: _____

_____
Recommender's Signature Date