2016 REU program at the University of Puerto Rico - Mayagüez [1]

Submitted by Ubaldo M Cordova-Figueroa [2] on 21 January 2016 - 8:47am

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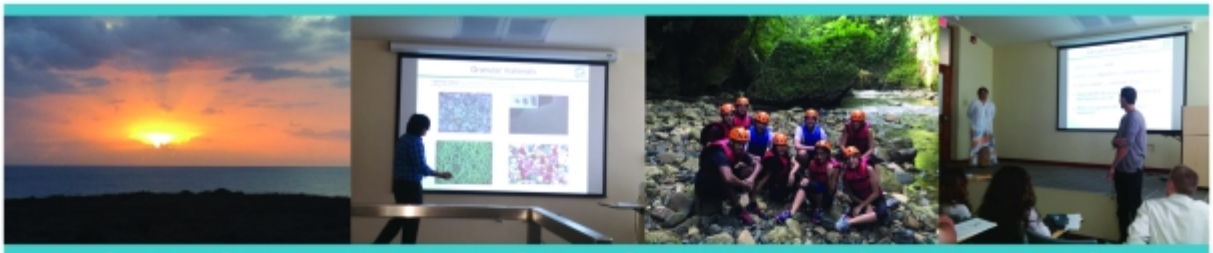
SUMMER 2016 UNIVERSITY OF PUERTO RICO • MAYAGÜEZ



RESEARCH EXPERIENCE FOR UNDERGRADUATES IN RECONFIGURABLE AND MULTIFUNCTIONAL SOFT MATERIALS

A unique research experience in a Caribbean paradise...

Be a part of the newly developing "UPRM Soft Matter Collective" in a 10-week, highly interdisciplinary, summer research experience involving top-notch scientists, mathematicians and engineers. Our summer program focuses on the development and study of new soft materials that are able to efficiently conduct multiple functions and operate away from equilibrium.

SUMMER 2016 PROGRAM DETAILS

- **Program dates: May 24 - August 3, 2016**
- **Faculty info and online application is available at**

http://softmatter.uprm.edu/reu

- **Application deadline: March 15, 2016**

TOPICS IN THE AREA OF SOFT MATERIALS INCLUDE:

- Rheology of Janus and active particle suspensions via computer simulation
- Development of bioactive, nanostructurally-designed, artificial peptides
- Effect of hydrophobic materials on the growth rate of granular material under different operating conditions and physical properties of the raw materials during the wet granulation process
- Reconfigurable solid-like liquid crystals
- Novel composite protein microcrystals for the sustained oral delivery of antigens
- Polymer-based nanocomposites for food packaging and more!

For more information please contact:

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Directors REU in Reconfigurable and Multifunctional Soft Materials

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Are you looking for summer research opportunities? Please consider the 2016 REU in Reconfigurable and Multifunctional Soft Materials (RMSM) housed on the University of Puerto Rico - Mayagüez.

The program offers students an excellent opportunity to hone research skills and to experience life as a graduate student. Students will enhance their academic resume, work closely with faculty and peers, and have fun with social and professional development activities, all while receiving numerous benefits. A novel aspect of the RMSM REU is the opportunity that students will have to conduct transformative research in a multicultural environment. They will have the opportunity to learn a second language and immerse themselves in a different culture, while taking advantage of the beautiful scenery of Puerto Rico.

Examples of potential projects include rheology of Janus and active colloidal particles, synthesis of reconfigurable solid-like liquid crystals, design of novel composite protein microcrystals for the sustained oral delivery of antigens, effect of hydrophobic materials in the growth rate of granular material in wet granulation, and development of bioactive, nanostructurally-designed artificial peptides.

Students historically underrepresented in graduate education are especially encouraged to apply. Due to funding restrictions, participation is limited to U.S. citizens or Permanent Residents.

To apply go to: http://softmatter.uprm.edu/reu/ [3]

Our online application makes it easy for students to apply. All applications are due by March 15, 2016.

Tags:

- REU RMSM [4]
- UPRM [5]

Links
[1] https://www.cienciapr.org/en/blogs/members/2016-reu-program-university-puerto-rico-mayaguez?language=es [2] https://www.cienciapr.org/en/user/genevo?language=es [3] http://softmatter.uprm.edu/reu/ [4] https://www.cienciapr.org/en/tags/reu-rmsm?language=es [5] https://www.cienciapr.org/en/tags/uprm?language=es