

The Jackson State University

Department of Chemistry's

RESEARCH EDUCATIONAL PROGRAMS

Include:

INC Summer Institute

Jackson State University and the Chemistry Department host visiting scientists, faculty members, graduate and undergraduate students from various schools and universities. Students come from all over the world (USA, Poland, Puerto Rico, South Africa, i.e.) to partake in the educational research programs at JSU. The summer institute consists of lectures, mentorship, and knowledge base information necessary to begin a career in computational chemistry. The institute's main research focus is the development of efficient computational technologies and applications of modern methods of computational chemistry investigations of molecular structures, properties, and interactions. After completion of the summer institute, students are invited to present their research at the annual Fall Conferences on Current Trends in Computational Chemistry (CCTCC).

Return applications to:

ATTN: Dr. Jerzy Leszczynski

Dept. of Chemistry

INC Summer Institute

Jackson State University

1400 Lynch St.

P.O. Box 17910

Jackson, Mississippi 39217

For more information, please contact:

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Summer Institute

Jackson, Mississippi



Funded by National
Science Foundation



Partnership with Jackson
State University Chemistry
Department

General Information

What is included in the INC Summer Institute?

- ◆ Daily morning lectures on various topics in relations to computational chemistry.
- ◆ Mentorship from INC faculty & staff.
- ◆ Field Trip and Fellowship
- ◆ Participation in the research activities of the INC Faculty.
- ◆ Closing Ceremony Presentations, Acknowledgements, Etc.



John A. Peoples Building is the location for the seminars which will during the summer Institute.

The Interdisciplinary Nanotoxicity Center (INC) at Jackson State University offers a summer institute during June 7, 2010 – July 30, 2010. This program is open to all graduate and undergraduate students interested in Computational

Chemistry. The objective of the Institute is to teach students quantum and computational chemistry as well as general research skills. Institute's participants will also engage in research projects with the INC faculty.

The Center will also offer summer appointments to 2-3 Faculty members at our Center during this time. They will have an opportunity to learn and apply computational chemistry techniques to chemical and biochemical problems of their interest and to initiate collaborative projects with the faculty from the Center. Summer Institute participants receive formal training in UNIX, quantum chemistry, computational chemistry, and numerical methods. Various professors give morning lectures daily. Addition-

General Information (cont.)

ally, participants attend evening sessions consisting of enrichment courses in quantum chemistry and calculus. Participants individually meet with mentors on a daily basis in order to prepare final presentations. All students and faculty participants give formal presentations and successfully complete all final summer institute requirements.

Stipend Rates:

Faculty Members: equivalent to university/school contract.

High school : 2,000.00

Undergraduates: 2,500.00

Graduates: 3,000.00

Room, board, and food is the responsibility of the participant.

All applications, transcripts, letters of recommendation, resume, and curriculum vitae for faculty members must be received no later than April 2, 2010 .