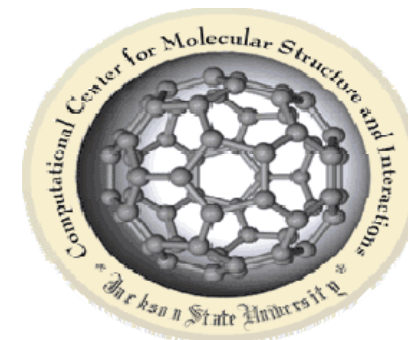


Return applications to:
ATTN: Dr. Jerzy Leszczynski
Dept. of Chemistry
ICN Summer Institute
Jackson State University
1400 Lynch St.
P.O. Box 17910
Jackson, Mississippi 39217

For more information, please contact:

Shonda Allen
Associate Director
(601) 979-3723 (office/voice mail)
Email: shonda@icnanotox.org



ICN

**INTERDISCIPLINARY
CENTER FOR
NANOTOXICITY**

2009

**SUMMER
INSTITUTE**

*

**NSF-ICN
PROGRAM**

**JACKSON STATE
UNIVERSITY
JACKSON, MISSISSIPPI**

Visit the website:
www.icnanotox.org

Current Trends in Computational Chemistry
(CCTCC).

Jackson State University's Department of Chemistry is widely recognized for its many outstanding programs and outreach activities that are implemented into the educational process.

The JSU Dept of Chemistry's
RESEARCH EDUCATIONAL PROGRAMS
Include:
ICN Summer Institute

JSU 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

ICN
General Information

The Interdisciplinary Center for Nanotoxicity (ICN) at Jackson State University offers a summer institute during June 8, 2009 – July 31, 2009. 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 ICN 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. Additionally, 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.

The participant selection will be made by **April 20, 2009**. All applications, transcripts, letters of recommendation and curriculum vitae for faculty members must be received no later than **April 3, 2009**.

* * * * *

What is included in the ICN
Summer Institute?

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

<u>Faculty members:</u>	equivalent to university/school contract.
<u>High school :</u>	2,000.00
<u>Undergraduates:</u>	2,500.00
<u>Graduates:</u>	3,000.00
- Room, board, and food is the responsibility of the participant.

