

2008 NATIONAL RESEARCH SYMPOSIUM

October 5, 6 and 7

The Mississippi e-Center at Jackson State University
Abstract Submittals Due by September 2

CALL FOR ABSTRACTS

Abstract Requirements

- ☞ The Abstract Requirements are shown in the sample on the next page. Abstracts not conforming to the sample will not be considered
- ☞ Abstracts must be received no later than Wednesday September 2, 2008, to be included in the printed program.
- ☞ Proof your abstract carefully; it will be printed in the conference program as submitted.

Symposium Presentations

- ☞ All presentations must follow the required format and deadline for submitting abstracts.
- ☞ All research presentations should address a valid scientific question.
- ☞ Oral Presentation will be in PowerPoint.
- ☞ Presentations will be judged and awards will be presented at the concluding banquet.

Presentation Requirements

- ☞ Poster Presentations must be free-standing and fit on a 36" x 48" board, which will be provided.
- ☞ Tape, tacks and other poster board mounting materials must be provided by the presenter.
- ☞ If you bring items for demonstration you are responsible for their security.

The goals of this conference are to showcase faculty-mentored research of undergraduate and graduate students and to foster the leadership and professional development of students, staff and professionals to positively impact the workforce and academic pipeline.

We invite the participation of undergraduate and graduate students from across the nation in this Symposium.



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Call for Abstracts: Sample Abstract

Key Components	Submission Display	Comments
Title	Isolation and Characterization of <i>Campylobacter jejuni</i> TGH 9011 and Capsular Polysaccharide Biosynthetic Locus	Only the First Letter of each word should be capitalized. Only scientific names should be in italics. Do not bold any part of the title. Do not add a period at the end of the title.
Author Block	Gory N. Gates , Margaret Kanipes. North Carolina A&T State University, Greensboro, NC, USA	You must have at least 2 authors in the author block. The first author must be the presenting author.
Abstract	<p><i>Campylobacter jejuni</i> is one of the principal causes of bacterial illness throughout the world. This organism possesses a unique set of genes responsible for the biosynthesis of capsular polysaccharides (CPSs), which are cell surface structures found on a great number of bacterial species. CPSs are important in the survival of bacteria and play a major role in pathogenesis. One of the goals of our research is to characterize the CPS biosynthetic locus in <i>Campylobacter</i> strains and understand its role in virulence. We hypothesize that the <i>C. jejuni</i> TGH9011 CPS locus would show significant gene conservation as well as new genetic content compared to the LOS loci from known <i>C. jejuni</i> strains. In this study, the CPS region of <i>C. jejuni</i> strain CG 8486 was used as a template to generate primers in order to isolate and characterize the <i>C. jejuni</i> TGH9011 CPS region, via PCR. Five DMA fragments (A-E) which encompass the 22 kb CPS locus of <i>C. jejuni</i> TGH9011 were isolated by PCR. Thus far, DNA fragments A-E have been sequenced and analyzed. Analysis of the data from these regions of the <i>C. jeju</i></p>	Limited to 2,500 characters, not including spaces. Do not include the title or author block to this section. Citations are not allowed. In order to be accepted, your abstract must contain a hypothesis / statement of problem, experimental methods/ methodology used, results even if preliminary, and a conclusion.
Scientific Dicipline	B-IV Biochemistry	Only one of the listed disciplines can be selected. This will be used to assign your abstract to the appropriate reviewers and on-site judges.

Research Area Code by Discipline

Discipline	Code
Developmental Biology	A-I
Environmental Biology	A-II
Genetics	A-III
Microbiology	A-IV
Botany	A-V
Cell Biology	B-I
Organic Chemistry	B-II
Molecular Biology	B-III
Biochemistry	B-IV
Pharmacology	B-V
Inorganic Chemistry	C-I
Photo-Chemistry	C-II
Physics & Mathematics	CIII
Physiology	CIV
Immunology	CV
Toxicology	DI
Computer Science	EI
Computer Engineering	EII
Civil Engineering	EIII
Electrical Engineering	EIV
Industrial Technology	EV
Other (Designate)	Other