

IN LSAMP at Ball State University

BUILDING A COMMUNITY OF STEM



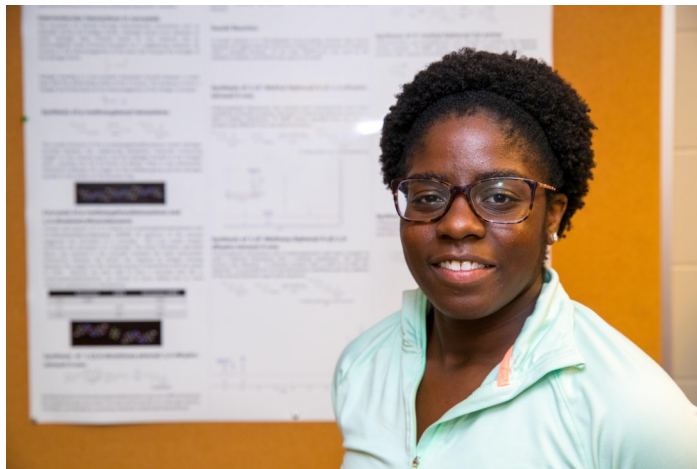
BALL STATE UNIVERSITY

Indiana STEM Louis Stokes Alliance for Minority Participation (IN LSAMP) was formed in 2016 with an award from the National Science Foundation (HRD 1618-408). The alliance comes together with a single shared goal of doubling the number of STEM Bachelor's degrees earned by URM students at each campuses.



The IN LSAMP alliance focuses on

- strengthening underrepresented minority (URM) students' academic preparation,
- increasing engagement in their STEM disciplines on our campuses,
- retaining students in STEM majors to graduation,
- transitioning students from community colleges to four-year institution, and
- preparation for STEM careers and graduate school.



Peer Mentors

The Career Pathway Mentoring Program ran for the first time during the first 9 weeks of the Fall Semester. Career Pathways aims to connect incoming URM STEM freshmen with other STEM peers, advisors, faculty, and staff right away, to

help them learn about campus opportunities and resources, and to introduce freshmen to career opportunities in STEM fields. Peer mentors have the opportunity to develop both leadership and mentoring skills, to become more informed on careers, and to become eligible for further professional experiences, such as, faculty-mentored research and conference trips. During the year we recruiting and trained six undergraduate mentors and two graduate assistants to become peer mentors. Ten LSAMP eligible freshmen participated in mentoring with their mentors. Two group events were held for all STEM students; one was a Career Center presentation on professionalism and profession dress, and the other, a 'Career Night' where three STEM professionals presented their experiences in the STEM profession to a group of over thirty students and faculty

Ball State IN LSAMP
Leadership Team

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(Picture left)

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LSAMP PROGRAM AT BALL STATE

- PEER MENTORING
- FACULTY-MENTORED RESEARCH
- SUMMER BRIDGE POWER INTO MATH
- LEARNING COMMUNITIES
- ANNUAL RESEARCH CONFERENCE

Website: www.inlsamp.org/bsu

Ball State University LSAMP SCHOLARS

Faculty-mentored research allows STEM students to work closely with a faculty member to develop their research, writing, collaboration, and presentation skills as well as to develop their understanding of the profession. Five LSAMP scholars participated in faculty-mentored research in the summer or Fall 2017 and were supported by the grant for one or both semesters. All students presented both poster and oral presentations during the summer at the Ball State Department of Chemistry Summer Program events. Over thirty faculty, alumni, and other students were in attendance.

LSAMP Scholars: left to right:

Brittani Stokes (Computer Science), Christina Perez, (Chemistry), Adam Lloyd (Biology), Danielle Smith, (Chemistry), Jazmin Marks-Burns (Biology)



Two of our scholars, presented at the Louis Stokes Midwest Center for Excellence Conference in Indianapolis on October 7, 2017. Christina Perez's (picture right) research under the direction of Dr. Cori Jenkins was on Adhesive Polymers Synthesized using Garlic Extract Components and Elemental Sulfur. Danielle Smith's (see photo on front) research under the direction of Dr. Sundeep Rayat was on the Interactions of Tetrazole Derivatives with Anions.



For more information about the work of IN LSAMP at Ball State University, visit www.inlsamp.org/bsu



BSU Coordinator, Dr. Anita Gnezda with LSAMP Scholar Adam



LSAMP Scholar Chuck Barrios Accepts Coveted iREU from LSU

Charles (Chuck) Barrios (above), will be traveling to Grenoble France, and will work with Dr. Rachel Auzely there for 12 weeks summer 2018. His experience will be supported by the LSU NSF grant, the IN-LSAMP grant, and Grenoble.

Fall 2016 STEM Enrollment/Degrees at Ball State University								
Class	Black or African American	Hispanic or Latino	Native American	Native Hawaiian or Pacific Islander	More Than One Race Reported - Minority	Non-Minority	Race Not Reported or Unknown	Total
Freshman	54	29	0	0	20	423	22	548
Sophomore	19	25	0	0	5	344	10	403
Junior	25	12	0	2	5	308	13	365
Senior	23	19	0	1	12	372	24	451
Total	121	85	0	3	42	1447	69	1767
STEM Degrees 2016-17	13	11	0	1	9	270	22	326



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IN LSAMP Research Conference

will be held October 19, 2018 in Indianapolis, Indiana on the Ivy Tech Community