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TENNESSEE DEPARTMENT OF EDUCATION



EAST TENNESSEE STATE
UNIVERSITY

Governor's School in Integration of Biological & Statistical Sciences

Faculty

Dr. Anant P. Godbole, Director
Ms. Angela T. Haga, Assistant Director

Primary Instructors

Dr. Karl Joplin
Dr. Nicole Lewis
Dr. Hugh Miller

Additional Faculty

Dr. Gary Henson
Dr. Thomas J. Jones
Dr. Diane Nelson
Dr. Mitchell Robinson
Dr. Edith Seier
Mr. Travis Watson

Counselors

Kyle Copenhaver, Lead
Blessing Idiapho
Shelbi Releford
Keifer Parker

Field Trip Leaders/Hosts

Mary Jane Greene - Aerojet Rocketdyne
Bob Culler - Bays Mtn. Park & Planetarium
Sherry Morelock - Eastman Chemical Company
Mitch Robinson - Quillen College of Medicine
Maegan Beale - Gray Fossil Site & Museum
Jennifer Bauer - Pisgah National Forest/Roan Mountain
Mr. Jon Carley/Robin K. Pritchard - Snap-On Tools
Counselors - Carter Family Fold & Music Museum

Sponsored by:

The Center of Excellence in Mathematics and Science Education

East Tennessee State University
P.O. Box 70301
Warf-Pickel Hall Room #509
Johnson City, Tennessee 37614

<http://www.etsu.edu/cas/math/mathexcellence/default.aspx>

<http://www.etsu.edu/cas/math/mathexcellence/govschool/default.php>

<http://www.netstemhub.com/>



Opening Ceremony Presentation

East Tennessee State University

Warf-Pickel Hall - Room 315

1:00pm– 2:30pm

Sunday, May 27th, 2018



Program Funded by:

**The Tennessee Department of Education Division
of Special Programs**



2018 Attending Scholars

- | | |
|---------------------------------|----------------------------------|
| 1. Abigail Grace Allen | 16. Angela Sujung Jo |
| 2. Patrick Christopher Bidros | 17. Meghan Riley Johns |
| 3. Natalie Diane Bolinger | 18. Shriya Karam |
| 4. Kurt Bryan Cantrell | 19. Lexis Patana Khetsavanh |
| 5. Alison Gayle Crawford | 20. Venkata Sai Jithin Manikonda |
| 6. Adelaide Lauren Damrau | 21. Natasha Allison Messier |
| 7. Michelle Elizabeth Engel | 22. Sai Sreehith Mummareddy |
| 8. Caroline Grace Ferrell | 23. Ruchi Chirag Patel |
| 9. Jerod Duncan Fetters | 24. Amy Rae Pender |
| 10. Julianna Marguerite Forbess | 25. Shrita Reddy |
| 11. Josie Leona Fuller | 26. Cheryl Lynne Rodriguez |
| 12. Ryan Anthony Gladwell | 27. Olivia Blake Sharp |
| 13. Natalie Ruth Grove | 28. George William Sullins |
| 14. Madison Nicole Hoskins | 29. Rachel Claire Watermeier |
| 15. William Ethan Hurst | 30. Megan Marie Wisniewski |

We want to say a Special Thanks to: The Tennessee Department of Education— Division of Special programs, ETSU, Snap-On Tools, ETSU Quillen College of Medicine, The Gray Fossil Site & Museum, Eastman Chemical Company, Historic Jonesborough, Roan Mountain State Park, Pisgah National Forest, Aerojet/Rocketdyne, Bays Mountain Park & Planetarium, The Carter Family Fold and Museum, and the Centre at Millennium Park.

SCHEDULE OF EVENTS

Opening Comments.....Dr. Anant P. Godbole, Director

Introduction of Instructors.....Dr. Karl Joplin, Dr. Nicole Lewis & Dr. Hugh Miller

Governor’s School Counselors.....Kyle Copenhaver, Shelbi Releford Blessing Idiapho & Keifer Parker

This Governor’s School program provides challenging and intensive learning experiences in the Integration of Biological & Statistical Sciences discipline for gifted and talented high school students.

Dr. Anant Godbole and Ms. Angela Haga have worked hard to create a learning community, putting students together with each other as well as with the staff and GS Integration of Biological & Statistical Sciences faculty in informal settings such as project group meetings, study time, activities with counselors, and educational field trips.

The food services provider, **SODEXHO** will be responsible for preparing meals while scholars are on campus (breakfast, lunch, dinner). The opening and closing banquets also contribute a sense of formality and accomplishment to this program; Scholars will have the opportunity to speak at the closing banquet which will be held at the Millennium Centre Ballroom here in Johnson City.

There are two (2) academic courses offered, one at 9:00am-11:45am and one in the afternoon 1:00-4:00pm. The curriculum is designed to expose the Scholars to a rich selection of mathematics and science courses consisting of general biology, symbiosis, and probability and statistics.

Students will have the opportunity to be engaged in a variety of research projects. The projects will be centered around the following topics: *Arc-Sine and Other Bathtub Shaped Distributions, Cancer Cells/Cell Culture, Probability, Bayesian Statistics, Coincidences and the Birthday Problem, Microbiome of Stream Samples, Differential Gene Expression in the Diapause Life Stage, and the Effects of Neonicotinoids on fly Circadian Activity*