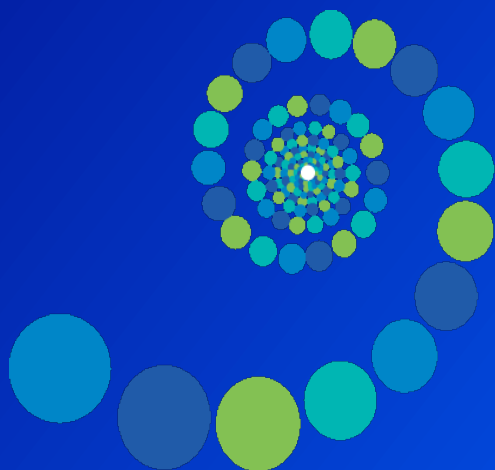


NIMBioS

The National Institute for Mathematical and Biological Synthesis



NIMBioS is a National Science Foundation funded institute established to bring together top researchers in biology and mathematics to address the enormous challenges facing the globe. A focus of NIMBioS is to use the best knowledge available to assist in managing natural systems, evaluate methods to promote individual and public health, and determine the effect of human activities on our world. At NIMBioS, the talents of top researchers from around the world collaborate across disciplinary boundaries to find creative solutions to today's complex biological problems.



NIMBioS Working Groups are chosen to focus on major scientific questions at the interface between biology and mathematics that require insights from diverse researchers. The groups focus on a well-defined topic with well-defined goals and metrics of success. Working Groups range from 10-15.



NIMBioS Investigative Workshops focus on a broader topic or set of topics than working groups and attempt to synthesize and summarize information with a goal to identify future directions with a potential to lead to one or more working groups. Workshops typically range between 30-40 participants.



Other research opportunities at NIMBioS include postdoctoral fellows, sabbatical fellows, short-term visitors, graduate assistantships and University of Tennessee faculty positions. Additionally, NIMBioS sponsors tutorials, faculty workshops, and educational workshops through the institute.



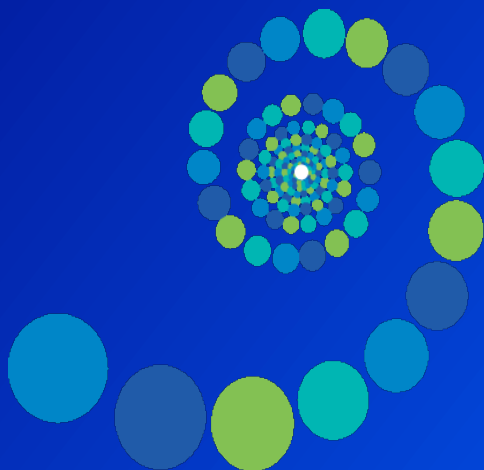
NIMBioS
1534 White Avenue
The University of Tennessee
Knoxville, TN 37996

To attend an Investigative Workshop, propose a Working Group, or apply for other research opportunities, visit our website at www.nimbios.org



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NIMBioS offers a diverse array of activities to meet educational needs for learners of all ages. NIMBioS audiences can choose from a broad spectrum of programs for K-12 students and teachers, undergraduate students, graduate students, post-doctoral students, university and college faculty members, and the general public. NIMBioS initiatives are focused on the enhancement of education at the interface between mathematics and biology and promote cross-disciplinary approaches to science at all levels.



Biology in a Box is a fun and challenging way for entire school systems to enhance their mathematics and life sciences curriculum at all grade levels using hands-on inquiry based learning. The boxes focus on STEM education for all grade levels and include materials and exercises set to state science and math standards.



The Teacher Collaboration Program provides links between teachers, scientists, and educators with interest at the interface between math biology. NIMBioS matches participants from different communities in a bi-directional partnership to enhance the cross-disciplinary approach to mathematics and biology.



NIMBioS sponsors a yearly summer Research Experience for Undergraduates and a Research Experience for Veterinary students at the University of Tennessee. Students live on campus and work in teams on innovative projects with University of Tennessee faculty. A stipend, housing and travel allowance are provided.



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To participate in any of our educational and outreach opportunities, apply online at www.nimbios.org