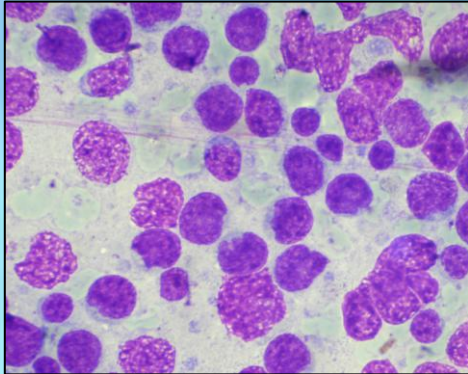




# NIMBioS

National Institute for Mathematical  
and Biological Synthesis



## Lymphoid Cells in Acute Inflammation

*A NIMBioS Investigative Workshop*

January 15-16, 2015

NIMBioS at the Univ. of Tennessee, Knoxville

The Acute Inflammatory Response (AIR) to infection or traumatic injury has largely been characterized by the actions of complement, immune cells. Recent advances have highlighted the early role of regulatory T cells and innate lymphoid cells in the AIR, and these findings have begun to alter the perception that effects on lymphoid cells occur later in the response to infection or injury. Mathematical modeling studies have highlighted the dynamic nature of the AIR and have pointed toward the need to consider lymphoid cells in order to explain key biological phenomena as well as impacting clinical translation. This workshop aims to survey and organize what is currently known about the role of lymphoid cells and their mediators in the AIR, how the role of lymphoid cells may differ in acute inflammation due to infection versus traumatic injury, and the efforts at computational modeling of the AIR.

Workshop participation is by application only. Individuals with a strong interest in the topic are encouraged to apply, and successful applicants will be notified within two weeks of the application deadline. If needed, financial support for travel, meals, and lodging is available for attendees.

**Application deadline: September 30, 2014**

For more information about the workshop and a link to the online application form, go to [http://www.nimbios.org/workshops/WS\\_lymphoid](http://www.nimbios.org/workshops/WS_lymphoid)

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*The National Institute for Mathematical and Biological Synthesis (NIMBioS) brings together researchers from around the world to collaborate across disciplinary boundaries to investigate solutions to basic and applied problems in the life sciences. NIMBioS is sponsored by the National Science Foundation, the U.S. Department of Homeland Security, and the U.S. Department of Agriculture with additional support from The University of Tennessee, Knoxville.*

