

## SMB Immunobiology and Infection Subgroup

The Immunobiology and Infection Subgroup brings together researchers in the SMB community who are interested in the modeling and analysis of immune processes in human disease and of host-pathogen interactions. Our objectives include within-host infectious diseases, host immune responses, causes and effects of inflammation, disease progression and outcome, integration of experimental and clinical data into models, and model-driven experimental design.

### 2018 SMB Annual Meeting

**Mini-Symposium:** Our Subgroup's Mini-Symposium was focused on host responses to viral infections and cancer immunotherapies. The talks showcased diverse modeling styles and tight integration with data. The featured speakers:

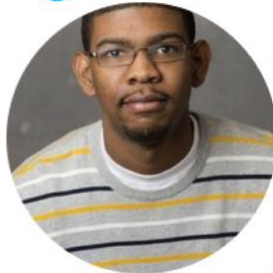
- *Flu ACHOO! Immune Response to Influenza-Bacterial Infection*  
Amber Smith, University of Tennessee Health Science Center
- *The Geometry of Leukemic Proliferation*  
RB McGee, Ohio State University
- *The Immune System and Cancer Therapies: Why Can't They Just Get Along?*  
Adrienne Jenner, The University of Sydney
- *Grab Your Glasses! Modeling Cancer Immunology in 3D*  
Paul Macklin, Indiana University

<h2>SMB Immunobiology and Infection Subgroup</h2> <p><a href="http://smb.org/subgroups">smb.org/subgroups</a></p>	 <p><b>SMB Imm. &amp; Infect.</b> @smb_imin Welcome to the official page of the Society for Mathematical Biology Immunobiology &amp; Infection Subgroup <a href="http://smb.org/subgroups">smb.org/subgroups</a></p>
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@mathematista

@MathBlerd



@adrienne\_jenner



@MathCancer



**Travel Grants:** We awarded two travel grants to the 2018 SMB Annual Meeting:

- RB McGee, Ohio State University
- Angela Raad, York University

Looking ahead...

**2019 SMB Annual Meeting in Montreal, Canada**

In our 2019 minisymposium, we will focus on infection and host immune responses to both infectious and non-infectious insults. The talks will feature speakers with expertise in these areas, showcasing diverse modeling styles and integration with data. Our lineup of speakers includes...



- Richard Allen, Pfizer
- Rosemary Aogo, University of New South Wales
- Gary An, University of Vermont
- Rustom Antia, Emory University
- Jared Barber, Indiana University – Purdue University Indianapolis
- Katharine Best, Los Alamos National Laboratory
- Carmen Lia Murall, CNRS, Montpellier, France
- Esteban Vargas, Helmholtz Center for Infection Research

All are welcome to attend the minisymposium! For subgroup members, we will additionally be holding our annual business meeting during the annual meeting to discuss subgroup governance and future activities. If you are interested in joining the Immunobiology & Infection subgroup, log in to your SMB Member Profile, click to edit your profile and then select the check box next to this subgroup. See you in Montreal!