

Molecular Genetics & Microbiology Program

Volume 12 Issue 1

Spring 2019

*MGM Graduate
Student Achievements*



2019 PUBLICATIONS

Bhattacharya, S., Holowka, T., **Orner, E.P.**, and Fries, B.C. (2019). Gene duplication associated with increased fluconazole tolerance in *Candida auris* cells of advanced generational age. *Science Reports* 9(1): 5052.

Gaudino, S.J., and Kumar, P. (2019). Cross-talk between antigen presenting cells and T cells impacts intestinal homeostasis, bacterial infections, and tumorigenesis. *Frontiers in Immunology*, doi 10.3389/fimmu.2019.00360.

Kopping, E.J., Doyle, C.R., Sampath, V., and Thanassi, D.G. (2019). Contributions of TolC orthologs to *Francisella tularensis* Schu S4 multidrug resistance, modulation of host cell responses, and virulence. *Infection and Immunity* 87(4). doi: 10.1128/IAI.00823-18.

Medici, N., Rashid, M., and Bliska, J.B. (2019). Characterization of pyrin dephosphorylation and inflammasome activation in macrophages as triggered by the *Yersinia* effectors YopE and YopT. *Infection and Immunity* 87(3). doi: 10.1128/IAI.00822-18.

PUBLICATIONS (CONTINUED)

Patel, H.V., Li, M., and Seeliger, J.C. (2019). Opportunities and challenges in activity-based protein profiling of mycobacteria. *Current Topics in Microbiology and Immunology* 420: 49-72.

Psonis, J.J., and Thanassi, D.G. (2019). Therapeutic approaches targeting the assembly and function of the chaperone-usher pili. *EcoSal Plus* 8(2). doi: 10.1128/ecosalplus.ESP-0033-2018.

2019 PRESENTATIONS

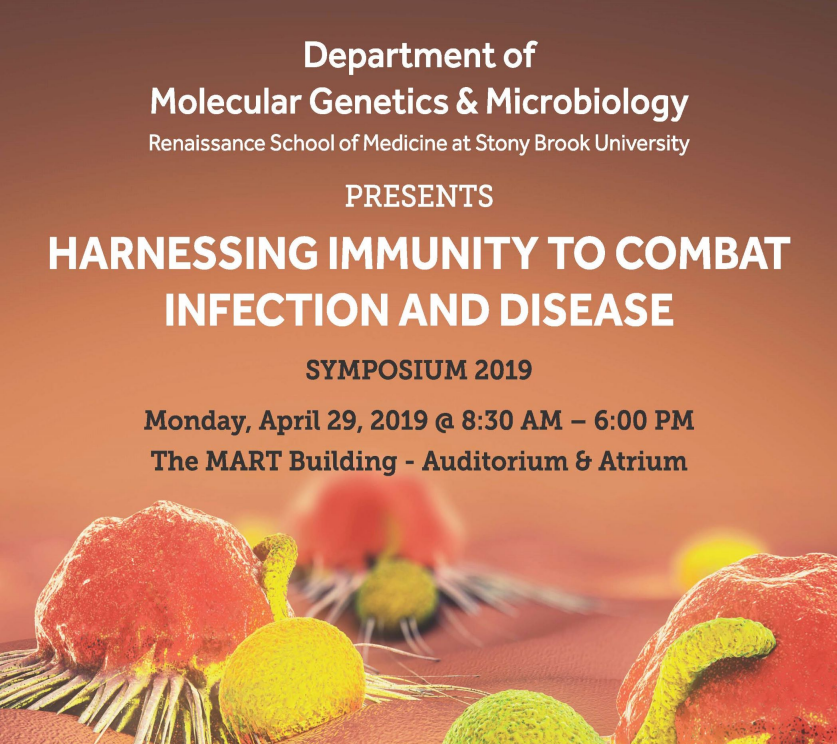
Gaudino, S.J., Huang, H., Jean-Pierre, M., Beaupre, M., **Lin, X.**, and Kumar, P. (2019). Intestinal Interleukin (IL)-22RA1 Signaling Regulates the Reciprocal Control of IL-22 and Onset of High Fat Diet-induced Metabolic Disorders. Immunology 2019, American Association of Immunologists, May 9-13, San Diego, CA.

Lin, X., **Gaudino, S.**, Kolls, J., and Kumar, P. (2019). Nrf2 Selectively Regulates IL-22 and IL-17A Production in Th17 Cells. Immunology 2019, American Association of Immunologists, May 9-13, San Diego, CA.

2019 AWARDS

Gaudino, S.J. (2019). Travel award to present at Immunology 2019, American Association of Immunologists, May 9-13, San Diego, CA.

Upcoming Events



Department of
Molecular Genetics & Microbiology
Renaissance School of Medicine at Stony Brook University

PRESENTS

**HARNESSING IMMUNITY TO COMBAT
INFECTION AND DISEASE**

SYMPOSIUM 2019

Monday, April 29, 2019 @ 8:30 AM – 6:00 PM
The MART Building - Auditorium & Atrium

The Department of Molecular Genetics & Microbiology will host a symposium, “Harnessing Immunity to Combat Infection and Disease” on April 29, 2019. There is no fee for attending the symposium, but registration is required. Register for the symposium at:

<https://renaissance.stonybrookmedicine.edu/mgm/calendar/symposia/harnessing-immunity>.

The annual ICB&DD symposium will be held on October 10, 2019 in the Wang Center. The topic for the symposium is “Frontiers of Infectious Disease Control”.

*Incoming
Students Fall 2019*

The MGM program will welcome the following students in August:

Rachel Krausert

B.S. Biological Sciences, University of California Merced

Nátalia Kronbauer de Oliveira

M.S. Molecular Biology, Universidade Federal do Rio Grande do Sul, Brazil

Alicia Mendoza

B.S. Molecular Genetics, Ohio State University

Smruti Mishra

M.S. Molecular Bioscience, Albany College of Pharmacy

Kara Swenson

B.S. Biochemistry, Utah State University

Rachel White

B.S. Biology, Pepperdine University

Hoi Tong Wong

B.S. Biology, Juniata College

Thanks to all the current students, faculty, and staff who helped recruit this outstanding group of students.