

# IMP Student Spotlight

## Spring & Summer 2017



Sonia Laurie  
Ford Lab

Sonia Laurie from the Ford lab was the recipient of the prestigious 2017 Young Investigators Award from the American Society of Transplantation, providing partial funding for her travel to Chicago, IL to give an oral presentation entitled “2B4-Mediated Inhibition of Proliferation and Glycolytic Function Attenuates T Cell Alloreactivity“ at the 2017 American Transplant Congress.

Additionally, Ms. Laurie was selected to represent Emory University at the 2nd Future of Bioscience Graduate and Postdoctoral Training (FOBGAPT), held in June in Denver, CO. This meeting was a follow up to the 1st FOBGAPT meeting, held in 2015 at the University of Michigan, and was designed to utilize input and feedback from the academic scientific community to generate guidelines to promote best practices for the training of biomedical graduate students and postdoctoral fellows.



Maria White  
Lowen Lab

Maria White from the Lowen lab published a first author paper in the Journal of Virology entitled "Heterologous packaging signals on segment 4, but not segment 6 or segment 8, limit influenza A virus reassortment." This paper was chosen by the journal editors as a spotlight article for the issue in which it was published, and it was also selected as the top publication from the Emory-UGA Centers of Excellence for Influenza Research and Surveillance (CEIRS) for Spring 2017. White and colleagues' paper demonstrates that heterologous viral components can restrict the formation of reassortant genotypes, but indicates that this constraint varies by segment.

Ms. White also won a student travel grant to attend the annual meeting of the American Society for Virology in Madison, WI this past June to give a talk on this work. It was awarded by ASV (American Society for Virology).

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Daniel Chopyk  
Anania Lab

Daniel Chopyk from the Anania lab received a travel award from the Gordon Research Conference on Alcohol-Induced End Organ Diseases to present his poster. To learn more about upcoming Gordon Research Conferences, visit: <https://www.grc.org/meetings.aspx?year=2018>



Dave Mathews  
Adams Lab

Dave Mathews of the Adams lab was the recipient of the American Transplant Congress 2017 - Young Investigator Award and Plenary Oral Presentation. The Young Investigator Award is given to the top 8 abstracts of the ATC conference from over 3000+ abstracts submitted. The oral presentation award is given for a plenary session oral presentation at the largest meeting of transplant professionals, again ranking Mr. Mathews' presentation in the top 8 oral presentations from a field of 3000+. The data he presented from his lab demonstrates CD127, the IL-7Ra, acts as a signal 3 cytokine receptor to promote costimulation independent graft rejection.



Camilla Margaroli  
Tirouvanziam Lab

Camilla Margaroli of the Tirouvanziam lab won a fellowship through the CF@LANTA Research Development Program. Among other benefits, Ms. Margaroli's fellowship includes a travel award to give an oral presentation at the North American Cystic Fibrosis Conference (NACFC). She will be giving a talk titled "Migration into CF Airway Fluid Promotes Adaptive Transcriptional Reprogramming of Human Neutrophils In Vivo and In Vitro".

You can learn more about the CF@lanta Research Development Program here:

<http://www.pedsresearch.org/research/centers/extramurally-funded-programs/cflanta-rdp-center/overview/#tab=tab01>.

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Elina El-Badry  
Hunter Lab



Julia McBrien  
Silvestri Lab



Kristen Morrow  
Amara Lab

Three IMP students received fellowships from the AV200 bicycle ride. The 15th annual ride was held in Atlanta in May. Over the fifteen years, the event has raised more than \$2.4 million for AIDS research. Elina El-Badry (Hunter Lab), Julia McBrien (Silvestri Lab) and Kristen Morrow (Amara Lab) will use their fellowships to help fund their research projects related to:

1. HIV/SIV pathogenesis and immunology related to the development of an AIDS vaccine. (Mine fits in here - elucidating sex-specific differences in HIV transmission and viral control)
2. Fundamental research in vaccine discovery with a specific focus on developing an AIDS vaccine.
3. Research on SIV/HIV cure.

You can learn more about the AV200 here: <http://www.av200.org/>



Anna Morris  
Ford Lab

Anna Morris from the Ford lab was awarded an ARCS Standard Scholarship this summer. Ms. Morris was nominated by the IMP Program and the Graduate Division of Biological and Biomedical Sciences to compete for this unique scholarship. As an ARCS scholar, she will have the opportunity to share her work with the members of the Atlanta ARCS chapter as well as benefit from their financial and personal support of her & her career development.

To learn more about the Atlanta ARCS chapter, please visit: <https://atlanta.arcsfoundation.org/our-chapter/about-our-chapter/who-we-are-o>