

**IMMUNE POLYMORPHISM AND
POPULATION DYNAMICS WORKSHOP 2019**

DETAILED PROGRAM

October 27-30, 2019

**Tulane University
Louisiana Cancer Research Center
1700 Tulane Ave
New Orleans, LA 70012**

<http://immunepolymorphism.tulane.edu>

SUNDAY, OCTOBER 27, 2019

Registration **1PM**

Curtis McMurtrey, University of Oklahoma **2PM**

**Characterization of Bacterial Ligands Presented by the
Non-Classical MHC molecule MR1**

Rich Single, University of Vermont **2:45PM**

**Demographic history and selection at HLA loci
in Native American populations**

Coffee Break **3:30PM**

Hannah Frank, Stanford University **4PM**

Evolution of innate and adaptive immunity in bats

Marcelo Fernández-Viña, Stanford University **4:45PM**

**Extended Gene Sequencing Coverage allows for
Fine Mapping of HLA factors in Neurological Diseases**

Malcolm Sim, Monash University **5:30PM**

**Human NK cell receptor KIR2DS4 detects a conserved
bacterial epitope presented by HLA-C**

MONDAY, OCTOBER 28, 2019

Jürgen Sauter, DKMS

9:30AM

Observations from donor recruitment typing at high-resolution

Paul Norman, University of Colorado-Denver

10:15AM

**Ancient and Modern Admixture Have Enhanced the Quantity
and Quality of Natural Killer Cell Receptor Interactions
with HLA class I Ligands in Asia**

Coffee Break

11AM

Jill Hollenbach, UCSF

11:30AM

Pleiotropic Effects of KIR3DL1 in Neurological Disease

Steve Mack, CHORI

12:15PM

**Beyond Allele Names: Dissecting Polymorphism of HLA Gene Features
and Amino Acid Motifs**

LUNCH AND POSTER SESSION

1PM

Paul Thomas, St. Jude Children's **2PM**

TCR specificity in tissues and tumors

Chris Gignoux, University of Colorado-Denver **2:45PM**

The importance of diversity in genome-wide association studies

Coffee Break **3:30PM**

Thierry Mora, Ecole Normale Supérieure de Paris **4:00PM**

Diversity and dynamics of immune repertoires

Samuel Landry, Tulane University **4:45PM**

MHC class II epitope immunodominance: the other half of the story

Karen Sherwood, University of British Columbia **5:30PM**

Longitudinal pattern of recovery of functional gene expression following renal transplantation

WORKSHOP DINNER / SOCIAL **7-10PM**

ZONY MASH BEER PROJECT
3940 Thalia St, New Orleans, LA 70125

TUESDAY, OCTOBER 29, 2019

Dan Geraghty, Fred Hutch

9:30AM

**Immune response genetics: an under-tested component
in disease association studies**

José Manuel Nunes, University of Geneva

10:15AM

Linkage Disequilibrium in HLA: an empirical approach

Coffee Break

11AM

Nick Maness, Tulane Primate Research Center

11:30AM

MHC in nonhuman primate models of infectious disease

Jim Kaufman, University of Cambridge

12:15PM

More on generalist and specialist alleles

LUNCH

1PM

**SOCIETY FOR IMMUNE POLYMORPHISM
GENERAL MEETING**

Martin Maiers, NMDP **2PM**

The African Diaspora and Its Implications for Transplant

Nina Luning Prak, University of Pennsylvania **2:45PM**

Clone Tracking and B-cell Subset Analysis in Different Tissues

Coffee Break **3:30PM**

Jay Kolls, Tulane University **4:00PM**

Insights into Lung Immunity using Single cell RNA and BCR-seq

Corey Watson, University of Louisville **4:45PM**

Overcoming complexity to elucidate the role of germline immunoglobulin polymorphism in the functional antibody response

Yana Safanova, USCD **5:30PM**

Detection of genomic variants in human immunoglobulin loci and analysis of their impact on the adaptive immune response

JAZZ MUSIC OUTING ON FRENCHMEN ST **7PM-**

Suggested Show

Stanton Moore Trio @ Snug Harbor Jazz Bistro

626 Frenchmen St - Tickets for 8PM and 10PM shows - \$20

<https://snugjazz.com/>

WEDNESDAY, OCTOBER 30, 2019

TECHNICAL ROUNDTABLE

9:30AM

**How does immune polymorphism
impact clinical outcomes?**

**What can the Adaptive Immune Receptor Repertoire
(AIRR) Community and the Society for Immune
Polymorphism (SIP) learn from one another?**

LUNCH

12PM

AIRBOAT TOUR

1PM

**Sign up by Monday October 27
27 seats max**

ULTIMATE SWAMP ADVENTURES

<https://www.ultimateswamptour.com/>

Lyft/Uber to:

**Westwego Shrimp Lot
105 Westbank Expy
Westwego, Louisiana 70094**

1:45PM Check-in Time at Ultimate Swamp Adventures

2PM Airboat Tour Departure

3:45PM Airboat Tour Ends

POSTER ABSTRACT TITLES:

PRESENTED ON MONDAY OCTOBER 29 AT 1PM

The new era of high-resolution KIR allelic genotyping: expanding our knowledge of KIR diversity in unique Brazilian populations

Presenter: Danillo Augusto, UCSF

Population analysis of the HLA alleles and eplets in the BC transplant population to establish a national eplet-matching program in kidney transplantation

Presenter: Quynh Ngan Tran, University of British Columbia

Eplet Matching: A Promising Approach for Minimizing HLA Genetic Complexity in Hematopoietic Stem Cell Transplantation

Presenter: Nazia Riaz, University of British Columbia

Towards a full resolution HLA & KIR database of 3000 healthy Japanese individuals

Presenter: Charles Khor, University of Tokyo