

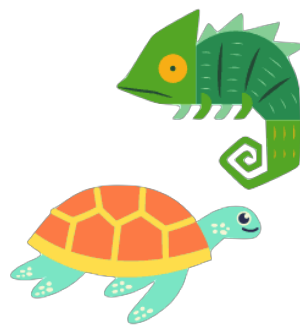
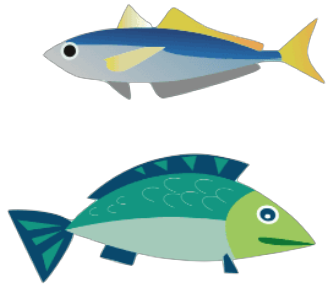


***SOCIETY
FOR IMMUNE
POLYMORPHISM***



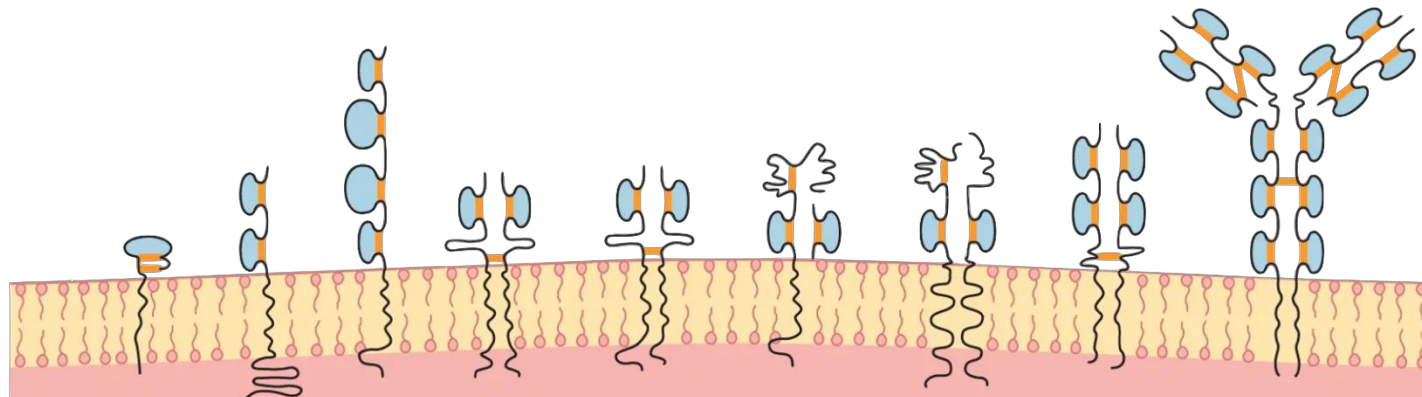
***2024
ANNUAL
REPORT***





MISSION

The *Society for Immune Polymorphism* is an international membership organization of scientists and clinicians dedicated to understanding the **genetic and functional variation of the vertebrate immune system** and the role played by this variation in evolutionary biology, disease and health.



BOARD OF DIRECTORS

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Two open positions

SOCIETY ACTIVITIES

2024

The Society assembled a special issue, organized a pair of webinars in April and August, three seminars in May and August, a hackathon in September, and a symposium in October.

2024 SOCIETY ACTIVITIES

Frontiers in Immunology Special Topic

A New Perspective in Immune Polymorphism – The HLA, KIR and LILR Genes

MICA copy number variation, MHC haplotype blocks and HIV-1, LILR function and polymorphism, Type-1-Diabetes, NK Cell function and T cell response, and PyPop version 3

<https://www.frontiersin.org/research-topics/58477/>

2024 SOCIETY ACTIVITIES

Spring Webinar

**SOCIETY
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POLYMORPHISM**



SPRING 2024 WEBINAR

**ADVANCES IN LONG RANGE SEQUENCING FOR THE
ANALYSIS OF HUMAN LEUKOCYTE ANTIGEN GENES**

APRIL 23, 2024 : 0700 PDT / 1400 GMT / 2200 AWST

Dr. Dianne De Santis, PhD University of Western Australia

Revolutionising high resolution HLA genotyping for transplantation assessment: Validation, implementation and challenges of Oxford Nanopore Technologies' Q20+ sequencing.



Dr. Alexander Diltthey, Dphil Universität Düsseldorf

Long-read Sequencing for HLA Typing and Assembly of Complete MHC Haplotypes

2024 SOCIETY ACTIVITIES

EFI 2024, GENEVE SWITZERLAND

May 21 – **PLENARY III: HLA IMMUNOGENETICS AND POPULATION GENETICS**

- *Diogo Meyer, PhD* Universidade de São Paulo
- *Paul Norman, PhD* University of Colorado
- *Alicia Sanchez-Mazas, PhD* University of Geneva

2024 SOCIETY ACTIVITIES

SIP-SHLARC Symposium, Nantes France

May 24 – IMMUNOINFORMATICS: BRIDGING PERSPECTIVES BETWEEN SIP & SHLARC

- *Nayane Brito Silva*, PhD student, Nantes Université
- *Christophe Demay*, Qatar Genome Program
- *Steven Mack*, PhD, UCSF
- *Kristen Wade*, PhD, UCSF
- *Loes van de Pasch*, PhD, GenDx
- *Anthony Herzig*, PhD, Bretagne Occidentale University
- *Laure Gineau*, PhD, University of Paris
- *Diogo Meyer*, PhD, University of São Paulo
- *Stephan Scholtz*, PhD student, Heinrich Heine University
- *Martin Maiers*, NMDP
- *Jürgen Sauter*, PhD, DKMS

2024 SOCIETY ACTIVITIES

Summer Webinar

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SUMMER 2024 WEBINAR

THE HUMAN CD1 LIPIDOME

AUGUST 20, 2024 : 1000 CDT/ 1600 BST

Dr. Shouxiong Huang, PhD Texas Biomedical Research Institute
The Elutonal Human Lipidome



Dr. Christopher Thorpe, PhD European Bioinformatics Institute
The Human CD1-Lipid Portal

2024 SOCIETY ACTIVITIES

Data Standards Hackathon, Oklahoma City Oklahoma

The logo for Immunopeptidomics DaSH features the words "Immunopeptidomics" and "DaSH" in a blue serif font. The text is overlaid on a background of a mass spectrometry spectrum, showing numerous vertical lines of varying heights and colors (red, green, blue, yellow) representing different peptide masses.

Immunopeptidomics
DaSH

17-19 September 2024

Oklahoma City, OK

Goal: Develop standards to store and transfer peptide- and non-peptide ligands for immunopeptidomic, metabolomic and lipidomic applications

2024 SOCIETY ACTIVITIES

First Annual SIP Symposium, Sassenheim Netherlands

October 7 – 10, 2024



Evolution and Characterization of the Immune System

Organized by:



SOCIETY FOR IMMUNE POLYMORPHISM



Biomedical Primate
Research Centre

Sponsored by:

TxMiller
Foundation



2024 SOCIETY ACTIVITIES

ASHI 2024, Anaheim USA

October 21 – **SPECIAL TOPIC : IMMUNOGENETICS & DISEASE**

- *Henry Erlich, PhD, UCSF*
- *Janelle Noble, PhD, CHORI*
- *Jill Hollenbach, PhD, UCSF*
- *Elizabeth Phillips, MD, Vanderbilt University*
- *Mark Loftus, PhD, Clemson University*
- *Jamie Rossjohn, PhD, FRS Monash University*
- *Paul Norman, PhD, University of Colorado*
- *Benedetta Padoan, MSc, Leibniz Institute of Virology*

SOCIETY COMPOSITION

Society membership grew **20%** to 175. 60% of members are in the US, 15% in 7 EU nations, 9% in the UK, 4% in Canada and Australia respectively, and 3% in Switzerland and Brazil respectively, with individual members in Israel, India, Pakistan, South Africa and Singapore. Members have academic, industrial and clinical affiliations. Over 40% of members are female.

Members range in experience from graduate student and post-doctoral researcher to research director, professor and laboratory director, with a variety of clinical, therapeutic and research interests.



MEMBERSHIP

Society membership is open to all persons interested in the advancement of the Society's Mission.

Anyone with expertise in immune polymorphism research or clinical applications of immune polymorphism research, or who is interested in learning about and gaining experience in the field of Immune Polymorphism is welcome join the society.

Collection of **membership dues** for 2025 has begun. Annual membership dues are \$100 US. Membership fees for members from upper-middle income nations will be discounted by 50%, and for those from low-middle-income and low-income nations will be discounted by 100%, upon request.

Check your email for a message from Society Treasurer Loren Gragert regarding membership dues for 2025.

2025 SOCIETY ACTIVITIES

Coming in 2025

- Webinars in February, April, June and October
- Second Annual SIP Symposium in Sassenheim in November

**SOCIETY
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WINTER 2025 WEBINAR

HLA REGION ASSEMBLY AND GENOMICS

FEBRUARY 25, 2025 : 1700 GMT/0900 PST

Dr. Mark Loftus, PhD Clemson University, Center for Human Genetics

**Navigating the HGSVC Phase 3 Assemblies:
Access, Insights, and HLA Region Discoveries**



Dr. Kristen Wade, PhD UCSF, Department of Neurology
**MHC Genetic Characterization Implicates Role for Expression
Network Dysregulation in Multiple Sclerosis**

Moderated by Professor John Trowsdale, PhD University of Cambridge Immunology Network

GET INVOLVED IN 2025

Join the Membership Committee

Jason Krawic and Neema Mayor, co-chairs of the Membership and Development Committee, are looking for enthusiastic SIP members to join them in developing a robust and sustainable strategy to build the membership and to ensure all members are well served by the organization and the resources it provides. We would love to hear from you! Informal enquiries are welcome – please contact Neema.Mayor@anthohnolan.org.