

A microscopic image showing several large, rounded cells with a granular appearance, likely eosinophils, against a dark background. The cells are stained, showing a reddish-orange hue. The granules are densely packed and appear to be obscuring the nuclei in some cells. The overall image has a warm, orange-red color palette.

IUIS
Veterinary Immunology Committee
(VIC)

Veterinary Immunology Committee

Mission and Objectives of VIC:

To enhance the profile of veterinary immunology through international knowledge exchange and outreach activities that support research into animal diseases and vaccine development for the benefit of global communities.

- In a context of global change, all living organisms share fluctuating environmental pressures and the One health initiative should give us a highly relevant umbrella to collaborate with human immunologists in the frame of IUIS and of its various committees.
- Combining fundamental immunology and genomics will help to better understand and predict disease resistance and vaccine responses and will contribute to improve sustainable practices in farm systems : a way toward systems immunology and systems vaccinology
- We have to foster fundamental research in immunology and in host-pathogen interactions, as well as large scale studies to investigate individual response variabilities.

Veterinary
Immunology
Committee

The activities and goals are to:

- Promote veterinary immunology globally
- Support veterinary immunology initiatives and networking
- Support young researchers in the field
- Assist with the planning and funding of the International Veterinary Immunology Symposia (IVIS)
- Sponsor and support regional workshops and conferences
- Support the development of a toolkit of veterinary immunological reagents
- Coordinate databases and resources containing information of interest to veterinary immunologists (VIC Toolkit and VIC MHC)
- Administer the Distinguished Veterinary Immunologist (DVI) Award

Results – Activities funded in 2023



- Sponsorship of travel awards to students attending the European Veterinary Immunology Workshop in Dublin in 2024 (3000 USD)
- International course on bovine and porcine immunology, INTA (3000 USD)
- Links with the International Society of Animal Genetics : travel support to 2 early career scientists to present their work in Cape Town (South Africa, July 2023) during the Genetics of Immune Response Workshop (1000 USD)
- Links with IVIS2023:
 - Support to the newly established Veterinary Interest Group of the South African Immunology Society (SAIS) with 3 webinars focused on veterinary and comparative immunology and highlighting IVIS2023 (2500 USD)
 - Support to workshops on Immune Toolkit (1000 USD) and comparative MHC (2000 USD)
 - Support to scientists from Low and Medium Income Countries (2500 USD)

Webinar today - 3:00 pm SAST = 1000AM ET/900AM CT

FREE WEBINAR: UNDERSTANDING VACCINE-INDUCED IMMUNE RESPONSES TO INFORM IMPROVED CONTROL STRATEGIES FOR HUMAN AND ANIMAL TB

30 June 2023
15:00-16:00 SAST



MEET OUR SPEAKERS



Dr Nargis Khan - McGill
International TB Centre, McGill University
Host Resistance, Disease tolerance and
Trained immunity, in the context of
BCG vaccination.



Dr Elisa Nemes - South African TB
Vaccine Initiative (SATVI)
Basic immunological studies of
adaptive and innate immunity to
Mycobacterium tuberculosis.



Dr Jayne Hope - The Roslin Insti
Innate immune responses to
Mycobacteria and other
bovine pathogens.



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IVIS2023
KRUGER PARK | SOUTH AFRICA

sais
South African Immunology Society

IUI
International Union of Immunologists

FREE WEBINAR

Join us for an interactive professional development session with a distinguished panel as they share their experiences in the field of Veterinary Immunology

27 July 2023
4pm-5pm
(GMT+2)

MEET OUR PANELLISTS



Prof. Claire Rogel-Gaillard

is a senior scientist working at the French National Research Institute for Agriculture, Food and Environment (INRAE). She is also the deputy scientific director for agriculture at INRAE and deputy director for research of the graduate school Biosphera (Paris-Saclay University).

She is the current Chair of the Veterinary Immunology Committee of the International Union of Immunological Societies (IUIS).



Dr. Joan Lunney

is a Distinguished Senior Research Scientist working in the Animal Parasitic Diseases Laboratory at the Beltsville Agricultural Research Center, Agricultural Research Service (ARS), US Department of Agriculture. She is actively involved in mentoring younger scientists, particularly women scientists, and most recently she was selected by the IUIS Veterinary Immunology Committee as the 2023 Distinguished Veterinary Immunologist.



Prof. Bonnie Mallard

is a Professor of Immunology and Immunogenetics at the Department Pathobiology, Ontario Veterinary College, University of Guelph, Canada. She is also the CEO of ImmunoGenetics Inc. and ImmunoCeutica Inc. Dr. Mallard was the 2020-21 winner of the prestigious NSERC Synergy Prize making her the first Canadian to have won both the Governor General's Award and the NSERC Synergy Prize for innovations in the area of immunogenetics.



Dr. Alejandra Capozza

is a Principal Researcher at the Argentinean National Research Council "CONICET" since 2008, and head of the Applied Veterinary Immunology Laboratory at the National Institute of Technology (INTA) in Buenos Aires. Director of the Argentinean Association of Veterinary Immunology and CEO of the Global Foot and Mouth Disease Alliance. Dr. Capozza obtained the prestigious "INNOVAR Award" in 2015 and 2022 for developing innovative products in the field of applied veterinary science in Argentina.



Prof. Yolandy Lerrmer

is a Research Group Leader: Human Molecular Diagnostics and Omics, CSIR, South Africa. She also holds an Extraordinary Associate Professorship at North-West University and is an Extraordinary Lecturer at the University of Pretoria. She has a vast variety of national and international collaborators on projects ranging from the development of novel anti-cancer formulations, development of recombinant monoclonal antibodies, to the production of biological molecules on different biological expression platforms.



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South African Immunology Society

 **IUIS**
Immunology without Borders
International Union of Immunological Societies



Doctor Joan Lunney

ZOETIS Distinguished Veterinary Immunologist (DVI) Award in 2023
for
Outstanding Research on Porcine Immunology and Distinguished
Service to the Veterinary Immunology Community

The Zoetis DVI Award will be presented at IVIS2023

Award Criteria:

- Stature as an internationally recognized authority and leader in the field of Veterinary Immunology
- Evidence of excellence and impact to the field
- Contributions to veterinary immunology education, student training and mentorship of early career researchers/postdoctoral fellows that have supported the development of future generations of veterinary immunologists

- **13th IVIS 2023** Dr Joan Lunney
- 12th IVIS 2019 Professor Paul Wood
- 11th IVIS 2016 Professor Serge Muyldermans
- 10th IVIS 2013 Professor Cynthia Baldwin
- 9th IVIS 2010 Professor Doug Antczak
- 8th IVIS 2007 Dr John Butler
- 7th IVIS 2004 Professor Wendy Brown
- 6th IVIS 2001 Dr Travis McGuire
- 5th IVIS 1998 Dr Alan Husband
- 4th IVIS 1995 Dr Richard Binns

Results – Organization of IVIS2023



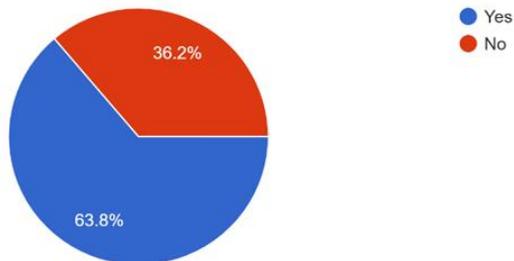
<https://ivis2023.org/>



116 registrations on August 25th
28 countries represented

Is this the first time you'll be attending an IVIS Symposium?

116 responses



150 regular and 31 late breaker abstracts have been received

Theme	Total	Oral	Poster	Either
1. Tissue Specific Immunity	6	2	0	4
2. Immuno-diagnostic	12	6	2	4
3. Innate Immunity	15	5	5	5
4. Adaptive Immunity	13	6	2	5
5. Immunology of viral diseases	10	3	1	6
6. Immunology of bacterial diseases	5	2	1	2
7. Immunology of parasite diseases	6	3	1	2
8. Vaccine Development	39	17	6	16
9. Immune-regulation and modulation: Role of microbiome	3	1	1	1
10. Comparative Immunology	9	4	1	4
11. Zoonoses	7	5	1	1
12. Immunoinformatics	6	1	3	2
13. Immunology of wildlife and exotics	4	3	1	0
14. Immunogenomics and resistance to disease	3	3	0	0
15. Microbiome	0	0	0	0
16. MHC Workshop	5	4	0	1
17. Toolkit Workshop	7	3	1	3
18. Teaching	0	0	0	0
Total	150	68	26	56

Results – Organization of IVIS2023



Confirmed Sponsors & Exhibitors

GOLD SPONSOR

The Gate's Foundation



Proposition of 2 symposiums -> on Nov. 28th

- Symposium 1: Animal models for human immunology
- Symposium 2: Immunology in a Global One Health perspective

Opportunities

- Maintaining strong relationships with global funders (BMGF) and networks (STAR-IDAZ, IVVN)
- Consolidating links with the International Society of Animal Genetics (ISAG)
- Coordinating and provisioning education resources for veterinary immunology
- Supporting the development of community databases (reagents, MHC)
- Contribution to the thriving of the veterinary immunology network/group in South Africa

Challenges

- Finding mechanisms to sustain online global veterinary immunology databases that serve the community (immunological reagents, MHC)
- Connecting with immunologists in humans and wildlife in the frame of One health and comparative immunology needs

- To make IVIS 2023 a success
- To prepare IVIS 2025 in Vienna (Austria) as a satellite conference of next IUIS conference
- To support training courses on veterinary immunology:
 - One health online course scheduled in 2024
- To organize a process to renew VIC membership and chair

VIC membership (2019-2023)



Name	First name	Country	Position for VIC		email address
Capozzo	Alejandra	Argentina	Member	AVI, ALAI	alejandra_capozzo@yahoo.com.ar
Chege	Gerald	South Africa	Member	FAIS	gerald.chege@uct.ac.za
Entrican	Gary	UK	Member, Past-Chair		gary.entrican@roslin.ed.ac.uk
Hammond	John	UK	Member	VIC MHC Chair	john.hammond@pirbright.ac.uk
Hope	Jayne	UK	Member	VIC Toolkit Chair	Jayne.Hope@roslin.ed.ac.uk
Jungersen	Gregers	Denmark	Member	EVIG Chair, EFIS	grju@ssi.dk
Kai	Chieko	Japan	Member	FIMSA	ckai@ims.u-tokyo.ac.jp
Loving	Crystal	USA	Member	AAVI, IVIS 2019 Chair	Crystal.Loving@ARS.USDA.GOV
Rogel-Gaillard	Claire	France	Chair		claire.rogel-gaillard@inrae.fr
Santos	Isobel	Brazil	Member	ALAI	imsantos@fmrp.usp.br
Wattrang	Eva	Sweden	Treasurer		eva.wattrang@sva.se
Parsons	Sven	South Africa	Member	IVIS 2023 Chair	sparsons@sun.ac.za