



3rd Biennial Meeting

Sex Differences in the Immune System

Wednesday, June 12th, 2024 Registration

4:00pm – 6:00pm

Welcome and Opening Remarks: David Page & Lydia Lynch

6:15pm

Public Outreach Event with Prof. Rose Anne Kenny

6:30pm, Trinity Biomedical Sciences Institute

Thursday, June 13th, 2024

Session 1

9:30am – 11:15am

- David Page, Whitehead Institute, *"Stable and robust Xi and Y transcriptomes drive cell-type-specific autosomal (and Xa) responses in vivo and in vitro, in four human cell types"*
- Margaret McCarthy, University of Maryland School of Medicine, *"TBA"*
- Diana Dou, Stanford University, *"Lnc"ing Xist ribonucleoproteins to the female sex bias in autoimmunity"*
- Jean-Charles Guery, Inserm, *"X chromosome inactivation escape: a driving force in B cell systemic autoimmunity"*

Break

11:15 am – 11:45am

Session 2

11:45am – 1:15pm

- Lydia Lynch, Princeton University & Trinity College Dublin, *"Linking sex differences in systemic metabolism and immunometabolism"*
- Speaker 6 (invited from abstracts)
- Speaker 7 (invited from abstracts)
- Luke O'Neill, Trinity College Dublin, *"A break in mitochondrial endosymbiosis as a basis for inflammatory diseases"*

Lunch

1:15pm – 2:00pm

Session 3

2:00pm – 3:30pm

- Darragh Duffy, Institut Pasteur, *"Understanding sex and age effects on healthy immune responses"*
- Speaker 10 (invited from abstracts)
- Speaker 11 (invited from abstracts)
- Maureen Su, University of California, Los Angeles, *"The X chromosome and Immunity"*

Break

3:30pm – 4:00pm

Session 4

4:00pm – 5:15pm

- Amy Moran, Oregon Health & Science University, *"Mechanisms of androgen receptor regulation of immunity"*
- Speaker 14 (invited from abstracts)
- Molly Ingersoll, Institut Cochin, *"The impact of sex on bladder mucosal immunity"*



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Poster Session

5:15pm – 7:30pm, Concourse

Networking Fork Supper

8:00pm, TCD Dining Hall

Friday, June 14th, 2024 Session 5

9:30am – 11:15am

- Mihai Netea, Radboud University Medical Center, "*Variation in trained immunity responses*"
- Claudia Kemper, National Heart, Lung & Blood Institute, NIH, "*Cell-autonomous complement as determinant of sex-specific immunity?*"
- Speaker 18 (invited from abstracts)
- Ed Lavelle, Trinity College Dublin, "*Sex differences in immune responses to vaccine adjuvants*"

Break

11:15am – 11:45am

Session 6

11:45am – 1:15pm

- Marc Dionne, Imperial College London, "Sex differences in *Drosophila* humoral immunity: causes and consequences"
- Speaker 21 (invited from abstracts)
- Speaker 22 (invited from abstracts)
- Petter Brodin, Karolinska Institute & Imperial College London, "Immune system adaptation during gender-affirming sex-hormone treatment"

Lunch

1:15pm – 2:00pm

Session 7

2:00pm – 4:00pm

- Jenny Regan, The University of Edinburgh, "*Sex-specific regulation of phagocytes determines susceptibility to *Staphylococcus aureus* infection*"
- Speaker 25 (invited from abstracts)
- Speaker 26 (invited from abstracts)
- Marcus Altfeld, Leibniz Institute of Virology, "*Sex differences in Type I IFN responses*"
- Yasmine Belkaid, National Institute of Allergy & Infectious Diseases, NIH & Institut Pasteur, "*Tissue specific sex immune control*"

Plenary Speaker: Nick Lane

"Why do mitochondria produce sex differences?"

4:30 – 5:30

Closing Remarks