

# Workshop Topics

**IUMS 2022 Workshops will include the following topics:**

- A1. Virus discovery and virome studies
- A2. Antiviral immunity
- A3. Mechanisms of replication and assembly
- A4. Virus evolution and emergence
- A5. Pathogenesis of viral diseases
- A6. Novel approaches to virus control
- A7. Sex differences in virus host interaction
- A8. Determinants of host range
- A9. Virus dynamics in reservoir hosts
- A10. Antiviral drug resistance and immune evasion
- B1. Host-pathogen interactions
- B2. Plant-microbe interactions
- B3. Microbial communities and microbiomes
- B4. Human microbiome and health
- B5. Frontiers in bacterial structural biology
- B6. Antimicrobials and antimicrobial resistance
- B7. Microbial evolution and diversity
- B8. New Insights into phage bacteria interactions
- B9. Microbial biotechnology and applied microbiology

B10. Extremophiles and archaea

B11. Gene expression, gene regulation and development

B12. Food microbiology  
C1. Importance of data management for sustainable futures (COMCOF)

C2. Food Mycology/Taxonomy *Penicillium* and *Aspergillus*

C3. Oomycetes as biocontrol agents and parasites

C4. Advanced life cell imaging

C5. Mycoviruses

C6. Skin Neglected Tropical Diseases

C7. Eukaryotic anti-microbial resistance

C8. Mycobiomes