

“Crossing borders : a world of nematode diversity and impact to discover”



Poster session



200 talks
100 flash presentations



600 attendees

11 PLENARY SESSIONS

1. Microgravity effect on entomopathogenic nematodes' ability to find and kill insects
2. Plant Root-knot Nematode Interaction: a sophisticated dialogue
3. A model nematode outside the laboratory: *Caenorhabditis elegans* habitat and biotic interactions
4. New perspectives on nematode-bacteria interactions: their causes and consequences
5. Nematodes chemosensation: implications on their management
6. *C. elegans* and other nematodes as biological models
7. Using *A. suum* to study the intestine of animal/human parasitic nematodes
8. Legislation and regulatory aspects of plant nematodes
9. From human to plant diseases, robust and transposable approaches in the big data era to control pests
10. IFNS Global capacity building programs in nematology
11. Multi-criteria assessment in agriculture: how can agroecology help?

32 CONCURRENT SESSIONS

Monday morning

- Plant resistance and nematode virulence
- Soil suppressiveness and nematode control using cover crops
- Ecology of free living nematodes
- EPN ecology and biology

Monday afternoon

- Plant resistance and nematode virulence (continued)
- Phylogenetics/Phylogenomics: the latest updates on the Phylum Nematoda
- Biodiversity of aquatic nematodes
- Nematode management in tropical conditions

Tuesday morning

- 'Omics' in nematology
- Advances in precision agriculture: instrumentation and nematode IPM applications
- Nematode-vector relationships
- Chemical control of nematodes

Tuesday afternoon

- 'Omics' in nematology (continued)
- Social impact of nematode management
- Advances in nematode detection and identification: instrumentation and applications
- Biological control of nematodes

Thursday morning

- Integrated nematode management
- Nematodes as bioindicators
- Future of nematology: legislation, education and training
- Natural Products as nematicides

Thursday afternoon

- Nematode-plant interactions
- Metabolism & Physiology of nematodes and host plants
- Integrated nematode management (continued)

Friday morning

- New challenges in nematodes taxonomy and evolution
- Metabolism & Physiology of nematodes and host plants (continued)
- EPN commercialization and application
- Next-generation nematicides

Friday afternoon

- Interactions of nematodes with micro-organisms
- Trade and market access implications of plant parasitic nematodes
- Nematode community assemblies
- Effectors in plant parasitic nematodes

9 CONCURRENT WORKSHOPS

Monday afternoon

- Expanding indicator qualities of nematodes to identify sustainable soil health
- *Aphelenchoides besseyi*: reemergence of a forgotten parasite
- Advances and challenges in CRISPR-mediated technologies in parasitic and free-living nematodes
- DNA barcoding of nematodes

Tuesday afternoon

- Nematode-bacteria symbiosis
- Nemaplex and NINJA: features and uses

Thursday afternoon

- Grape vines nematode management
- Nematode-fungal interactions and complex diseases
- Slime time: Nematodes associated with terrestrial slugs

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