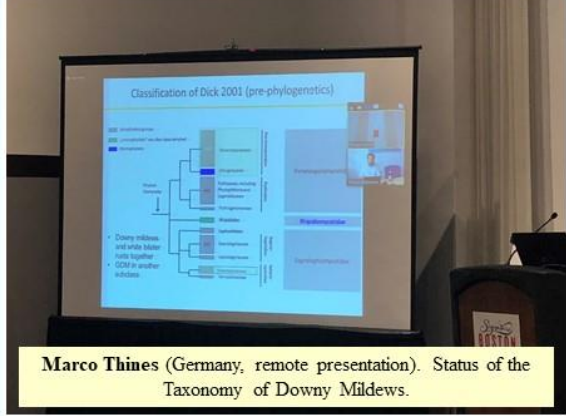
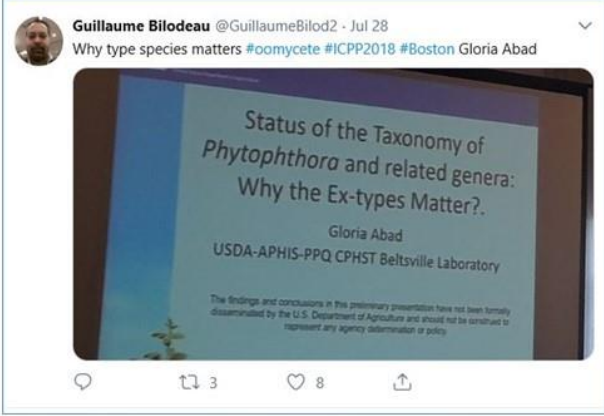


ICPP 2018 - Sixth International Oomycetes Workshop



ICPP 2018 - 6th International Oomycetes Workshop welcoming remarks by Mary Palm (APS 2018 President) and Introduction by Gloria Abad (Chair and organizer of the event). In bottom participants of the event attending presentation from Frank Martin (USDA-ARS)

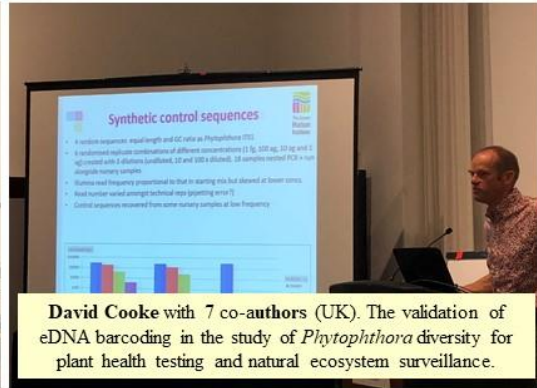
Session #1: Taxonomy and Nomenclature: Past, present, and future. Moderator: Hai Nguyen (Canada)



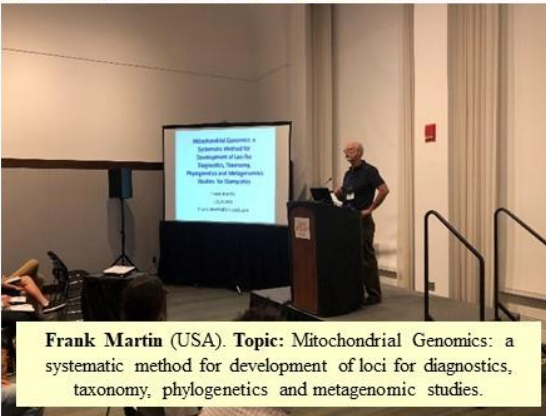
Session #2: Identification and diagnostics: From the traditional tools to the Innovative Genomic Sequencing Technologies (IGST) including NGS and TGS. Moderator: Guillaume Bilodeau (Canada)



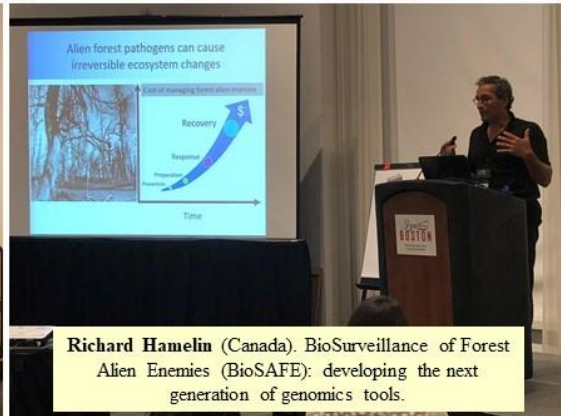
Steven Jeffers (USA). Topic: Isolation and identification of *Phytophthora* species the “old-fashioned” way.



David Cooke with 7 co-authors (UK). The validation of eDNA barcoding in the study of *Phytophthora* diversity for plant health testing and natural ecosystem surveillance.

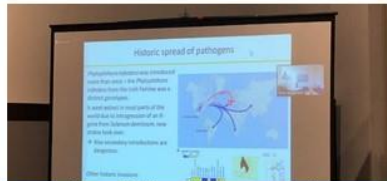


Frank Martin (USA). Topic: Mitochondrial Genomics: a systematic method for development of loci for diagnostics, taxonomy, phylogenetics and metagenomic studies.



Richard Hamelin (Canada). BioSAFE: developing the next generation of genomic tools.

SESSION #3: Diversity in cultivated and natural environments: The global spread of pathogens. Moderator: Ronald French (USA).



Marco Thines (Germany remote presentation). Global Diversity of Downy Mildews



K. Kageyama (Japan)



S.O. Cacciola et al. (Italy) - Europe



T. Burgess et al (Australia) Oceania. Remote presentation



P. Grijalba et al (Argentina) South America

Session #4: Management and control: Advanced IPM-tools, improved biocontrol, enhancing resistance, sustainable production, agricultural systems for the future.



David Shew (USA). Topic: Quantifying Adaptation to Host Resistance in *Phytophthora nicotianae*.



Lina Quesada with 3 co-authors (USA). Developing bio-surveillance tools for improved management of the cucurbit downy mildew pathogen *Pseudoperonospora cubensis*.



Aleš Lebeda with 2 co-authors (Czech Republic). Pathotypes and races of *Pseudoperonospora cubensis* – great challenge for science and cucurbit breeding.



Mohamed Khan (USA). Managing *Aphanomyces* on Sugar Beet.



Session #5: Plant pathogenic Oomycetes of concern: Trade regulations, advanced monitoring and certification. Moderator: Yazmin Rivera (USA). Speakers: A) Jo Anne Crouch (USA), Nicholas Le Blanc (USA), Catalina Salgado-Salazar (USA). Topic: Emerging downy mildews: The same old pathogens or new enemies?. B) Susan J. Frankel (USA). An Update on *Phytophthora ramorum*, *P. tentaculata* and other species of regulatory concern in the USA; C) Sarah Green (FR), David Cooke (JHI) with 11 co-authors (UK). *Phytophthora* in plant nursery settings, engaging with stakeholders and early initiatives on accreditation in UK.



Session #7. James Brayer (UK-USA Oxford Nanopore Technology). Portable Sequencing for Disease Detection, Diagnosis, Discrimination, and Discovery in Biological areas.



With demonstration of the MinION, and other portable devices.

Portable Sequencer to access all areas: MinION in traditional labs plus International Space Station, the Indian Ocean, the Arctic, Guinea (Ebola monitoring), Tanzania (frog species surveillance), Under the sea (NASA/NEEMO), Brazil (Zika surveillance).

Session #7. New technologies for Oomycete research: looking to the future.



Jimmy Botella with 4 authors, Nanotech+Molecular Biology+Electronics: Combining complicated technologies to simplify your life.



Yazmin Rivera with 4 authors (USA, Taiwan). New tools for the diagnostics and identification of Oomycetes.



Shankar Shakya, Niklaus Grünwald with 11 co-authors (USA, Czech Republic, Australia, Italy). Analysis of global populations of *Phytophthora cinnamomi* suggests presence of two dominant clonal lineages and evidence of sex in Southeast Asia.



ICPP 2018 - Sixth International Oomycetes Workshop in Twitter

Guillaume Bilodeau @GuillaumeBilod2 · Jul 28
Thanks Gloria Abad and All speakers for this #oomycete #ICPP2018 #boston workshop really enjoyed



5 18

Guillaume Bilodeau @GuillaumeBilod2 · Jul 28
Oomycete genomics by @BrettTylerOSU at #ICPP2018 #oomycete #Boston



5 12

Guillaume Bilodeau @GuillaumeBilod2 · Jul 28
Forest invasive alien species challenge detection present at #oomycete #ICPP2018 #boston @BioSAFE_genome by @richamelin @GenomeCanada



2 10

PathSensors, Inc. @PathSensorsInc · Jul 31
What a great time at the 6th International #Oomycetes workshop at #ICPP2018! Wonderful folks doing interesting work



2 7

Guillaume Bilodeau @GuillaumeBilod2 · Jul 28
Di Cacciola presenting on diversity of oomycetes in Europe #oomycete #ICPP2018



3

herve van der heyden @der_heerve · Jul 28
Guillaume Bilodeau presenting on #oomycetes diversity in North America #ICPP2018



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