

Programme

19^e Rencontres Virologie Végétale - RVV 2023



15 au 19 janvier 2023, Aussois – France

Thématisques

- Keynote invited speakers
- Evolution virale - Virus evolution
- Variabilité/diversité des virus & épidémiologie - Virus variability/diversity & epidemiology
- Résistance & silencing - Resistance & silencing
- Interaction virus/cellule & mouvement - Virus-cell interaction & within plant movement
- Interaction virus-vecteur - Virus-vector interaction

Dimanche 15 janvier 2023

A partir de 17h00	Accueil des participants et mise en place des posters
19h15 - 20h15	Apéritif de bienvenue
A partir de 20h00	Dîner

Lundi 16 janvier 2023

8h30	Ouverture du colloque
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Session 1 : Modérateur Thierry Candresse

8h45	K-01	Keynote 1 : Simon Roux US Department of Energy Joint Genome Institute, Berkeley, Etats-Unis <i>Discovering new RNA virus genomes with 'omics: why, how, does it matter ?</i>
9h30	O-01	Johan Rollin <i>Monitoring cross-contamination in viral metagenomic data using an alien-control</i>
9h45	O-02	Yu Fu <i>Characterization of the role of Stylin-01 cuticular protein in the transmission of two noncirculative plant viruses using different - CRISPR-Cas9 mutant aphid lineages</i>
10h00	O-03	Justine Charon <i>RdRp-scan: A bioinformatic resource to identify and annotate divergent RNA viruses in metagenomic sequence data</i>
10h15		Pause

Session 2 : Modératrice Maria Dimitrova

10h45	K-02	Keynote 2 : Marylène Mougel Institut de Recherche en Infectiologie de Montpellier, France <i>Fate and destination of retroviral genomic RNA in host cells</i>
11h30	O-04	Déborah Bernard <i>Identification of <i>A. thaliana</i> ALY proteins as novel host interacting partners of the turnip yellows virus (<i>TuYV</i>) CP and CP-RT proteins</i>
11h45	O-05	Thomas Armand <i>Synergistic interactions between Wheat dwarf virus and Barley yellow dwarf virus-PAV in wheat</i>
12h00	O-06	Selim Ben Chehida <i>Reconstructing the Mastrevirus communities structure in La Réunion: The tale of agricultural associated pathogens</i>
12h15	O-07	Khalid Amari <i>Application of epigenetics to control plant pathogens: a case study of viruses</i>
12h30		Déjeuner - Après-midi libre

Session 3 : Modérateur Benoît Moury

17h15	K-03	Keynote 3 : Ruben Gonzalez Institut de Biologie de l'Ecole Normale Supérieure, Paris, France <i>Impact of Arabidopsis thaliana developmental stage on Turnip mosaic virus evolution</i>
18h00	O-08	Babil Torralba <i>Reassortments in an octapartite plant virus model</i>
18h15		Présentation éclair des posters étudiants (numéros impairs)
18h30		Session posters (numéros impairs)
20h00		Dîner

Mardi 17 janvier 2023

Session 4 : Modérateur Mikhail Pooggin

8h30	K-04	Keynote 4 : Emanuela Noris Institute for Sustainable Plant Protection, National Research Council of Italy (IPSP-CNR), 10135 Turin, Italy Novel insight in the virus-mediated export of plant chromosomal DNA
9h15	O-09	Syed Shan-e-Ali Zaidi <i>Geminivirus infection induces transposon-derived extrachromosomal circular DNA in plants</i>
9h30	O-10	Noun Magdy Ibrahim Fouad <i>Characterization of the vector-mediated transmission of a betasatellite between different helper begomoviruses</i>
9h45	O-11	Seydou Sawadogo <i>Artificial intelligence tool for cassava viral diseases diagnosis using participatory surveillance in Burkina Faso</i>
10h00	O-12	Elise Lepage <i>Thesis in progress : Understanding the role of natural reservoirs in the epidemic and evolutionary dynamics of generalist agricultural pathogens</i>
10h15		Pause

Session 5 : Modératrice Virginie Ravigné

10h45	K-05	Keynote 5 : Simon Dellicour Spatial Epidemiology Lab, Université libre de Bruxelles (ULB), Bruxelles, Belgique Molecular epidemiological approaches to investigate the dispersal dynamic of viruses and the environmental factors impacting it
11h30	O-13	Gaël Thébaud <i>Simulated dynamics of the within-host diversity of viral sequences</i>
11h45	O-14	Kyoka Kuroiwa <i>An iterative gene editing strategy broadens eIF4E1 genetic diversity in Solanum lycopersicum, triggering resistance to several potyvirus isolates</i>
12h00	O-15	Mélia Bonnamy <i>Impact of the physiological state of the host plant on the genome formula of a nanovirus</i>
12h15	O-16	Sarah Grauby <i>Barley intercropped with clover: bottom-up regulation of Rhopalosiphum padi and impact on the spread of Barley yellow dwarf virus-PAV</i>
12h30		Déjeuner - Après-midi libre

Session 6 : Modératrice Cécile Desbiez

17h15	O-17	Manfred Heinlein <i>dsRNA-induced immunity targets plasmodesmata and is suppressed by viral movement proteins</i>
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17h30	O-18	Chantal Nyirakanani A nationwide analysis of the Ugandan cassava brown streak virus genomes in Rwanda suggests an association of the virus population with the deployment of tolerant cassava cultivars
17h45	O-19	Mathilde Villegas Detection of the M-Rep protein of a Nanovirus in the midgut cells of its aphid vector
18h00	O-20	Guillaume Lafforgue Comparative study of mutational robustness between ordered and disordered regions of viral proteins
18h15		Présentation éclair des posters étudiants (numéros pairs)
18h30		Session posters (numéros pairs)
20h00		Dîner

Mercredi 18 janvier 2023

Session 7 : Modératrice Annette Niehl

8h30	K-06	Keynote 6 : Jens Tilsner Biomedical Sciences Research Complex, The University of St. Andrews, St. Andrews, Royaume-Uni <i>New insights into plant virus RNA movement</i>
9h15	O-21	Sylvie German-Retana <i>Lipid droplets: new actors of the plant virus infection</i>
9h30	O-22	Oumaima Moubset <i>Virome release of an invasive exotic plant species in Southern France</i>
9h45	O-23	Mailys Piau <i>Identification of plant proteins interacting with the grapevine fanleaf virus homing protein 2AHP during the hypersensitive response in Nicotiana occidentalis</i>
10h00	O-24	Atiwich Patthamapornsirikul <i>In vivo mitigating the incidence of French Tomato leaf curl New Delhi virus (ToLCNDV) using melon cucumis melo as a model</i>
10h15		Pause

Session 8 : Modératrice Véronique Brault

10h45	K-07	Keynote 7 : Anna Whitfield Entomology and Plant Pathology, North Carolina State University, Raleigh NC, Etats-Unis <i>Towards defining the viral and vector determinants of tomato spotted wilt virus transmission by thrips</i>
11h30	O-25	Michel Yvon <i>Virus particle populations of a bunyavirales contain all possible genome segments and polarities in highly reproducible proportions.</i>
11h45	O-26	Coline Temple <i>Tomato virus-related risks in diversified vegetable farming systems combining producer's perceptions and virus richness evaluation by High Throughput Sequencing technologies</i>
12h00	O-27	Deborah Schönegger <i>Network analysis of the carrot virome in managed and wild ecosystems</i>
12h15	O-28	Natalia Sukhikh <i>Deep sequencing analysis of virome components and antiviral RNAi responses in <i>Myzus persicae</i> aphids vectoring a plant virus</i>
12h30		Déjeuner - Après-midi libre

Session 9 : Modérateur Claude Bragard

17h15	O-29	Hélène Vassilieff Automated detection and annotation of caulimovirid endogenous viral elements in plant genomes shed light on the long-term evolution of the Caulimoviridae
17h30	O-30	Maxime Verdier Post-acquisition effects of TuYV and CaMV on an aphid vector
17h45	O-31	Philippe Roumagnac Using African army ants for tracking plant and animal viruses in the deep tropical forest
18h00	O-32	Mingshuo Xue A plant-specific homolog of DP1/Yop1 family proteins plays a proviral role in potyvirus infection
18h15	O-33	Olivier Cotto Combining a mathematical model with field data to characterize epidemiological interactions between strains of the plum pox virus
18h30		Session posters (numéros impairs et pairs)
20h00		Dîner

Jeudi 19 janvier 2023

Session 10 : Modérateur Manfred Heinlein

9h15	O-34	Jean-Luc Gallois Trying to develop genetic resistances to potyvirus based on S gene: Analysis of redundancy among chloroplastic PhosphoGlycerate Kinase in Arabidopsis.
9h30	O-35	Christophe Ritzenhaler Nanobody-mediated resistance in plants
9h45	O-36	Rachid Tahzima Coarse-grained Analysis of Biophysically Tuned Conformational Ensembles and Structural Properties of Plant Virus Movement Proteins Clarifies Novel Sequence-to-Function Exploration: Insights into the Evolutionary Origins of Plant Viral HSP70hs
10h00	O-37	Laura Elvira-González Plant tolerance to RNA viruses: molecular and genetic determinants
10h15		Pause

Session 11 : Modérateur Olivier Schumpp

10h45	O-38	Quentin Chesnais Do DCL proteins play a role in the viral manipulation of host plant and vectors?
11h00	O-39	Alassane Ouattara Stronger together: Synergy between an emerging monopartite begomovirus and a DNA-B component
11h15	O-40	Ana Rocio Sede Application of RNA-based bioprotectants against viruses for sustainable crop production in a changing climate
11h30	O-41	Thierry Candresse Benchmarking of virome metagenomic analysis approaches using a large, 60+ members, viral synthetic community
11h45		Remise des prix étudiants Meilleure communication orale et meilleur poster
12h00		Bilan colloque
12h15		Déjeuner

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