

Programme



Thématiques

- Evolution Virale
- Variabilité des virus & épidémiologie
- Résistance & silencing
- Interaction virus-cellule & mouvement
- Interaction virus-vecteur

Dimanche 15 janvier 2017

- Après-midi Accueil
- Mise en place des posters
- 19h30 *Apéritif de bienvenue*
- 20h15 *Dîner*

Lundi 16 janvier 2017

- 8h15 Introduction au colloque

Session 1

Modérateur : David Gilmer

- 8h45 I.01 **Damien Garcia**
 CNRS – Strasbourg
 Genetic approaches of viral compatibility and restriction in plant.
- 9h30 ■ O.01 **Alyssa Flobinus**
 CNRS – Strasbourg
 A viral noncoding RNA complements a weakened viral suppressor of RNA silencing and promotes efficient systemic host infection.

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- 9h45 ■ O.02 **François Lecorre**
CNRS – Montpellier
Atomic structure of the *Broad bean stain virus* by cryo-electron microscopy.
- 10h00 ■ O.03 **Romain Gallet**
Inra – Montpellier
Small bottleneck size in *Faba bean necrotic stunt virus* populations during aphid transmission.
- 10h15 *Pause*

Session 2

Modérateur : Emmanuel Jacquot

- 10h45 I.02 **Christelle Lacroix**
Inra – Avignon
Effects of global changes on plant virus epidemiology and ecology.
- 11h30 ■ O.04 **Coralie Picard**
Inra – Montpellier
Influence of landscape characteristics on the optimal control of a plant virus.
- 11h45 ■ O.05 **Lucie Tamisier**
Inra – Montfavet
Impact of selection, genetic drift and viral accumulation on the evolution of a plant RNA virus.
- 12h00 ■ O.06 **Michaël Mulot**
Inra – Colmar
In vivo confirmation of the involvement of an aphid protein in polerovirus transmission.
- 12h15 ■ O.07 **Mattia Dall'Ara**
CNRS – Strasbourg
A specific heterologous RNA-RNA interaction is involved in the *Beet necrotic yellow vein virus* infectivity.
- 12h30 *Déjeuner - **Après-midi libre***

Session 3

Modérateur : Véronique Brault

- 17h15 I.03 **Kristiina Makinen**
Department of Food and Environmental Sciences – Finlande
Host-virus interactions on the way from potyvirus replication to translation.
- 18h00 ■ O.08 **Véronique Germain**
CNRS – Villenave d'Ornon
Making a functional link between plasma membrane nanodomain features, regulation of cell-to-cell connectivity and *Potato virus X* propagation.
- 18h15 ■ O.09 **Edwige Berthelot**
Inra – Montpellier
Transmission activation of potyviruses.
- 18h30 **Présentation des Posters (numéros impairs)**
- 20h00 *Dîner*

Mardi 17 janvier 2017

Session 4

Modérateur : Christophe Ritzenthaler

- 8h15 I.04 **Christina Wege**
University of Stuttgart – Allemagne
RNA-enabled shaping of TMV-based multi-purpose architectures for smart materials and devices.
- 9h00 ■ O.10 **Ahmed Ghannam**
CNRS – Strasbourg
Grapevine fanleaf virus-like particles, a versatile platform for the display and encaging of whole proteins.
- 9h15 ■ O.11 **Anna Bastet**
Inra – Montfavet
A synthetic eIF4E1 allele allows resistance pyramiding and broad resistance spectrum to potyviruses in *Arabidopsis thaliana*.
- 9h30 ■ O.12 **David Halter**
Inra – Colmar
Deciphering virus manipulation of aphid-brassicaceae interactions by high resolution mass spectrometry.

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- 9h45 ■ O.13 **Thierry Candresse**
Inra – Villenave d’Ornon
Contribution of NGS-based approaches to the analysis of French winter barley crops virological status.
- 10h00 ■ O.14 **Sylvie German-Retana**
Inra – Villenave d’Ornon
Potato virus Y resistance in tobacco: tolerance to viral necrosis as an alternative strategy against PVY resistant-breaking variants.
- 10h15 *Pause*

Session 5

Modérateur : Michel Peterschmitt

- 10h45 I.05 **Gregory Resch**
Université de Lausanne – Suisse
Phage-based therapies.
- 11h30 ■ O.15 **Isabelle Martin**
Inra – Colmar
Identification of a *Grapevine fanleaf virus*-encoded elicitor of hypersensitive reaction in *Nicotiana occidentalis*.
- 11h45 ■ O.16 **Elodie Pirolles**
Inra – Montpellier
A pluricellular way of life for a multipartite virus.
- 12h00 ■ O.17 **Cécile Desbiez**
Inra – Avignon
New species in the *Papaya ringspot virus* cluster: insights into the evolution of the PRSV lineage.
- 12h15 ■ O.18 **Jocelyne Walter**
CNRS – Villenave d’Ornon
Mutational robustness of intrinsically disordered proteins: a comparative study between the potyvirus intrinsically disordered VPg and the plant susceptibility factor eIF4E.
- 12h30 *Déjeuner - [Après-midi libre](#)*

Session 6

Modérateur : Marilyne Uzest

- 17h15 S.01 **Florence Videau et Benoit Sarazin**
PROTEIGENE, St Marcel
Solutions pour la caractérisation et l'étude des interactions: biologie moléculaire, SPR et peptides arrays.
- 17h45 ■ O.19 **Gaël Thébaud**
Inra – Montpellier
Identification and optimization of sharka management parameters through sensitivity analysis.
- 18h00 ■ O.20 **Geneviève Roudet-Tavert**
Inra – Villenave d'Ornon
eIF4E plant factor recruitment by the potyvirus particule: Involvement of the VPg covalently linked to the viral RNA.
- 18h15 ■ O.21 **Alassane Ouattara**
Cirad – La Réunion
Molecular epidemiology of emerging begomovirus diseases on vegetable crops in Burkina Faso.
- 18h30 **Présentation des Posters (numéros pairs)**
- 20h00 *Dîner*

Mercredi 18 janvier 2017

Session 7

Modérateur : Jean-Michel Lett

- 8h15 I.06 **Marc Delêtre**
Plant & AgriBiosciences Research Centre – Irlande
A phylodynamics approach to the cassava mosaic disease pandemics unravelling the social dimension of plant epidemiology.
- 9h00 ■ O.22 **Nils Poulicard**
IRD – Montpellier
Effects of the cultural practices on the *Rice yellow mottle virus* populations in East Africa.
- 9h15 ■ O.23 **Vincent Michel**
Cirad – Villenave d'Ornon
Genetic and functional analysis of va resistance durability to *Potato virus Y* in tobacco.

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- 9h30 ■ O.24 **Sylvaine Boissinot**
Inra – Colmar
A fluorescent infectious clone of *Turnip yellows virus* capable of plant systemic invasion and aphid transmission.
- 9h45 ■ O.25 **Michel Yvon**
Inra – Montpellier
A new possible manipulation of aphid vectors by transmitted plant viruses.
- 10h00 ■ O.26 **Cica Urbino**
Cirad – Montpellier
Generation of non-canonical recombinants of *Tomato yellow leaf curl virus* in Ty-1 resistant tomato plants.
- 10h15 *Pause*

Session 8

Modérateur : Benoit Moury

- 10h45 I.07 **Julien Papaix**
Inra – Avignon
Using eco-evolutionary principles to guide the sustainable deployment of crop resistances.
- 11h30 ■ O.27 **Frédéric Fabre**
Inra – Villenave d'Ornon
Pyramiding or mixing resistance genes: what is the best strategy to deploy virus resistant cultivar in agricultural landscape?
- 11h45 ■ O.28 **Bernadette Rubio**
Inra – Villenave d'Ornon
Are metabolic traits markers of the plant response to virus infection? A phenotype and genotype study in *Arabidopsis thaliana* in response to TuMV (*Turnip moiscac virus*) in a natural environment.
- 12h00 ■ O.29 **Craig Webster**
Inra – Montpellier
Stylin-1: a putative receptor of *Cauliflower mosaic virus*.
- 12h15 ■ O.30 **Eric Verdin**
Inra – Montfavet
Characterization of a complex of necroviruses involved in a necrotic disease of corn salad (*Valerianella locusta*).
- 12h30 *Déjeuner - Après-midi libre*

Session 9

Modérateur : Véronique Ziegler-Graff

- 17h15 ■ O.31 **Ezechiel Tibiri**
INERA – Burkina Faso
Inventory and partial characterization of major viruses infecting sweetpotato (*Ipomoea batatas* [L.] Lam) in Burkina Faso.
- 17h30 ■ O.32 **Jean-Michel Hily**
Inra – Colmar
No undesired impact of GM grapevines cultivation on viruses and its associated soil bacteria.
- 17h45 ■ O.33 **Philippe Roumagnac**
Cirad – Montpellier
Deciphering plant-associated viruses at the agroecosystem scale using metagenomics.
- 18h00 ■ O.34 **Benoit Moury**
Inra – Montfavet
Genetic Determinism and Evolutionary Reconstruction of a Host Jump in a Plant Virus.
- 18h15 O.35 **David Gilmer**
Université de Strasbourg – Strasbourg
Virology as a tool to teach Biology: pearls, successes and also disappointments.
- 18h30 **Présentation des Posters (pairs et impairs)**
- 19h45 *Dîner*

Jeudi 19 janvier 2017

Session 10

Modérateur : Olivier Lemaire

- 8h45 ■ O.36 **Eugénie Hébrard**
IRD – Montpellier
New emerging and recombinant strains of *Rice yellow mottle virus* in East Africa.

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- 9h00 ■ O.37 **Jean-Luc Gallois**
Inra – Montfavet
A new eIF4E1 allele characterized by RNAseq data mining is associated with resistance to PVY in tomato albeit with a low durability.
- 9h15 ■ O.38 **Jean-Sébastien Reynard**
Agroscope – Suisse
Identification and characterization of a novel hordeivirus associated with yellow mosaic of privet (*Ligustrum vulgare*) in Europe.
- 9h30 ■ O.39 **Laurent Glais**
FN3PT/RD3PT – Le Rheu
Does the inoculation date affect the *Potato virus Y* load in potato daughter tubers at harvest?
- 9h45 ■ O.40 **Anne Sophie Spilmont**
IFV – Le Grau du Roi
Occurrence of *Grapevine Pinot gris virus* in France: field monitoring in diverse viticulture areas.
- 10h00 *Pause*
- 10h30 ■ O.41 **Thierry Michon**
Inra – Villenave d’Ornon
Assessment of the viral protein VPg intrinsic disorder contribution to the *Potato virus Y* adaptation to eIF4E-mediated resistance of pepper (*Capsicum annuum*).
- 10h45 ■ O.42 **Marie-Line Caruana**
Cirad – Montpellier
From diagnostic tools to decision: how to secure germplasm exchanges when plants harbor infective *Banana streak virus* sequences in their genome.
- 11h00 ■ O.43 **Thierry Wetzel**
DLR Rheinpfalz – Allemagne
A framework for the evaluation of biosecurity, commercial, regulatory and scientific impacts of plant viruses and viroids identified by NGS technologies.
- 11h15 *Bilan du Colloque et Remise des Prix (SFP) aux étudiants pour la meilleure communication orale et le meilleur poster.*
- 12h00 *Déjeuner*