

MONTPELLIER VINE & WINE SCIENCES INTERNATIONAL SEMINAR

Sharing Knowledge & Designing Research Programs to
Address Key Challenges of the Vine-Wine Sector

PROGRAM

October 11-12-13, 2022



PROGRAM OVERVIEW

Sharing Knowledge & Designing Research Programs to Address Key Challenges of the Vine-Wine Sector

Time UTC +2

TUESDAY 11th OCTOBER

08:00 AM	Welcome coffee
09:00 AM	Amphitheater 208
09:20 AM	Opening speech
	Reduction of inputs Benoit Divol - Stellenbosch University Hervé Hannin - Institut Agro François Delmotte - INRAE
10:15 AM	Coffee break Espace Philippe Lamour
10:45 AM	Climate Change Jean-Marc Touzard - INRAE Dario Cantu - UC Davis Patricio Hinrichsen - INIA La Platina
12:00 AM	Lunch Espace Philippe Lamour
02:00 PM	Amphitheater 208
	Building quality Sarah Mussol - Université de Montpellier Aurélie Roland - Institut Agro John Moore - Stellenbosch University
03:15 PM	Coffee break Espace Philippe Lamour
03:35 PM	Biodiversity Andrés Muñoz-Sáez - Universidad de Chile Corinne Vacher - INRAE Jean-Luc Legras - INRAE
04:50 PM	
05:00 PM	Visits of labs
05:30 PM	

Time UTC +2

WEDNESDAY 12th OCTOBER

09:00 AM	Amphitheater 208
	Building Quality Claudio Pastenes - Universidad de Chile Justin Lashbrook - Stellenbosch University Véronique Cheynier - INRAE
10:15 AM	Coffee break AgroForum
10:45 AM	Biodiversity Cristina Lazcano - UC Davis Evodia Setati - Stellenbosch University Florian Bauer - Stellenbosch University
12:00 AM	Lunch AgroForum
02:00 PM	Castle hall
	Poster Session
03:30 PM	Amphitheater 208
	Workshops
05:00 PM	

Time UTC +2

THURSDAY 13th OCTOBER

09:00 AM	Amphitheater 208
	Climate change Jason Londo - Cornell University Patrice This - INRAE Melane Vivier - Stellenbosch University
10:15 AM	Coffee break AgroForum
10:45 AM	Reduction of inputs Justine Vanden Heuvel - Cornell University Lance Cadle-Davidson - Cornell University Aurélie Métaay - Institut Agro
12:00 AM	Lunch AgroForum
02:00 PM	Amphitheater 208
	Workshops
04:00 PM	Synthesis of Workshops
05:00 PM	
07:00 PM	Diner

Time UTC +2

FRIDAY 14th OCT.

08:15 AM	Tourism and visit of a winery
08:30 AM	Meeting point Bus departure
	Guided tour of Saint-Guilhem-le-Désert
12:00 AM	Lunch
01:30 PM	Visit of a Winery
04:00 PM	Return to Montpellier at 05:00 PM

09:00-09:20 AM

Opening speech

- **Philippe Augé** - Président de l'Université de Montpellier, France
- **Fabienne Remize** - UMR SPO, Université de Montpellier, France
- **Patrice This** - UMR AGAP, INRAE, France



Reduction of inputs

Moderator: Bruno Blondin - Institut Agro Montpellier, France

09:20-09:45 AM

- **Microbiological approaches to reduce bentonite requirements**
Benoit Divol - Stellenbosch University, South Africa

09:45-10:10 AM

- **How to cultivate grape without pesticide, the Vitae project**
Hervé Hannin - UMR MOISA, Institut Agro Montpellier & François Delmotte - UMR SAVE, INRAE, France

10:15-10:45 AM

Coffee break

Espace Philippe Lamour

Climate Change: Adaptation and mitigation

Moderator: Hervé Hannin - Institut Agro Montpellier, France

10:45-11:10 AM

- **A global overview on adaptive strategy to climate change of the wine industry**
Jean-Marc Touzard - UMR Innovation, INRAE, France

11:10-11:35 AM

- **Characterization of genomic diversity in Vitis**
Dario Cantu - UC Davis, USA

11:35-12:00 AM

- **Genetic diversity of the local criolla germplasm and adaptation strategies to a changing environment in Chile**
Patricio Hinrichsen - INIA La Platina, Chile

12:00-02:00 PM

Lunch

Espace Philippe Lamour

Building quality

Moderator: Fabienne Remize - UMR SPO, Université de Montpellier, France

02:00-02:25 PM

- **Building authenticity in the wine sector: a narrative analysis of newcomers' stories**
Sarah Mussol - MRM, Université de Montpellier, France

02:25-02:50 PM

- **Varietal thiols: from vine to wine**
Aurélien Roland - UMR SPO, Institut Agro Montpellier, France

02:50-03:15 PM

- **Enzyme treatment enhances astringency through decreasing polysaccharide and increasing polyphenolic content in Cabernet Sauvignon wines**
John Moore - Stellenbosch University, South Africa

03:15-03:35 PM

Coffee break

Espace Philippe Lamour

Biodiversity, microbiomes and ecosystems

Moderator: Aurélie Metay - UMR ABSYS, Institut Agro Montpellier, France

03:35-04:00 PM

- **Conserving biodiversity and ecosystem services in vineyards through agroecology**
Andrés Muñoz-Sáez - Universidad de Chile, Chile

04:00-04:25 PM

- **Microbial interactions between grapevine pathogens and the leaf microbiome**
Corinne Vacher - UMR BIOGECO, INRAE, France

04:25-04:50 PM

- **Microbial flux from grape to wine**
Jean-Luc Legras - UMR SPO, INRAE, France

05:00-05:30 PM

Visit of labs



Building Quality

Moderator: Laurent Torregrosa - UMR LESPE, Institut Agro Montpellier, France

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|----------------|---|
| 09:00-09:25 AM | <ul style="list-style-type: none"> • Interplay of water deficit and grape berry chemical composition
Claudio Pastenes - Universidad de Chile, Chile |
| 09:25-09:50 AM | <ul style="list-style-type: none"> • Metabolic QTL analysis for characterisation of the genetic potential of grapevine flavour formation
Justin Lashbrook - Stellenbosch University, South Africa |
| 09:50-10:15 AM | <ul style="list-style-type: none"> • Phenolic compounds, from grape to wine
Véronique Cheynier - UMR SPO, INRAE, France |

10:15-10:45 AM **Coffee break**

AgroForum

Biodiversity

Moderator: Jean-Luc Legras - UMR SPO, INRAE, France

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|----------------|---|
| 10:45-11:10 AM | <ul style="list-style-type: none"> • Effects of regenerative management on vineyard soil biodiversity and climate change mitigation
Cristina Lazcano - UC Davis, USA |
| 11:10-11:35 AM | <ul style="list-style-type: none"> • Inter-row cover crop applications and their influence on the soil microbiome
Evodia Setati - Stellenbosch University, South Africa |
| 11:35-12:00 AM | <ul style="list-style-type: none"> • Ecological patterns and molecular signatures in fermentation ecosystems
Florian Bauer - Stellenbosch University, South Africa |

12:00-02:00 PM **Lunch**

AgroForum

02:00-03:30 PM **Poster Session**

Castle hall

03:30-05:00 PM **Workshops #2**

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|---|----------------------|
| <ol style="list-style-type: none"> Design grapevine systems to reduce inputs and increase biodiversity
Facilitator: Aurélie Méta - UMR ABSYS, Institut Agro Montpellier, France | Bâtiment 9, room 301 |
| <ol style="list-style-type: none"> High throughput tools for chemical characterization of must quality
Facilitator: Aurélie Roland - UMR SPO, Institut Agro Montpellier, France | Bâtiment 9, room 302 |
| <ol style="list-style-type: none"> Breeding resistant variety
Facilitators: Laurent Torregrosa - UMR LEPSE, Institut Agro Montpellier, France
& Patrice This - UMR AGAP, INRAE, France | Bâtiment 9, room 304 |
| <ol style="list-style-type: none"> Reconceptualising agritech-led On-Vineyard Experimentation
Facilitators: James Taylor - UMR ITAP, INRAE, France
& Bruno Tisseyre - UMR ITAP, Institut Agro Montpellier, France | Bâtiment 9, room 305 |



Climate change adaptation and mitigation

Moderator: Thierry Simonneau - UMR LEPSE, INRAE, France

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| 09:00-09:25 AM | • Temperature dynamics and impact on cold hardiness, deacclimation, and budbreak phenology
Jason Londo - Cornell University, USA |
| 09:25-09:50 AM | • Breeding of drought tolerant cultivars - Patrice This - UMR AGAP, INRAE, France |
| 09:50-10:15 AM | • Integrated grape-to-wine studies to evaluate adaptation and resilience of grapevine scion/ rootstocks to water limitation - Melane Vivier - Stellenbosch University, South Africa |

10:15-10:45 AM **Coffee break**

AgroForum

Reduction of inputs

Moderator: James Taylor - UMR ITAP, INRAE, France

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|----------------|---|
| 10:45-11:10 AM | • Developing a satellite image-based sampling protocol for leaf blade nutrient monitoring in vineyards
Justine Vanden Heuvel - Cornell University, USA |
| 11:10-11:35 AM | • Tools to discover resistance phenotypes and haplotypes in diverse germplasm
Lance Cadle-Davidson - USDA, Cornell University, USA |
| 11:35-12:00 AM | • Reducing inputs, adapting to climate change and supporting the agro-ecological transition of grapevine systems through biodiversity management
Aurélié Métay - UMR ABSYS, Institut Agro Montpellier, France |

12:00-02:00 PM **Lunch**

AgroForum

02:00-04:00 PM Workshops #2

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| 1. Balance of nutritional compounds in grape must and control of fermentation
Facilitators: Erick Casalta - UMR SPO, INRAE, France
& Claudio Pastenes - Universidad de Chile, Chile | Bâtiment 9, room 301 |
| 2. Developing an international consortium on Grape sequencing
Facilitator: Patrice This, UMR AGAP, INRAE, France | Bâtiment 9, room 302 |
| 3. Resilience and risk management in relation to climate change
Facilitators: Jean-Marc Touzard - UMR Innovation, INRAE, France
& Nina graveline - UMR Innovation, INRAE, France | Bâtiment 9, room 304 |
| 4. Can Functional Structural Plant Models help address current challenges in vineyards ?
Facilitators: Thierry Simonneau - UMR LEPSE, INRAE, France & Benoît Pallas - UMR LEPSE, INRAE, France | Bâtiment 9, room 305 |

04:00-05:00 PM Synthesis of Workshops

19:00 PM **Diner at 'Maison de la Lozère', downtown Montpellier**

27 rue de l'Aiguillerie, Montpellier

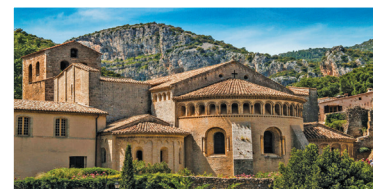
Friday 14th October 2022

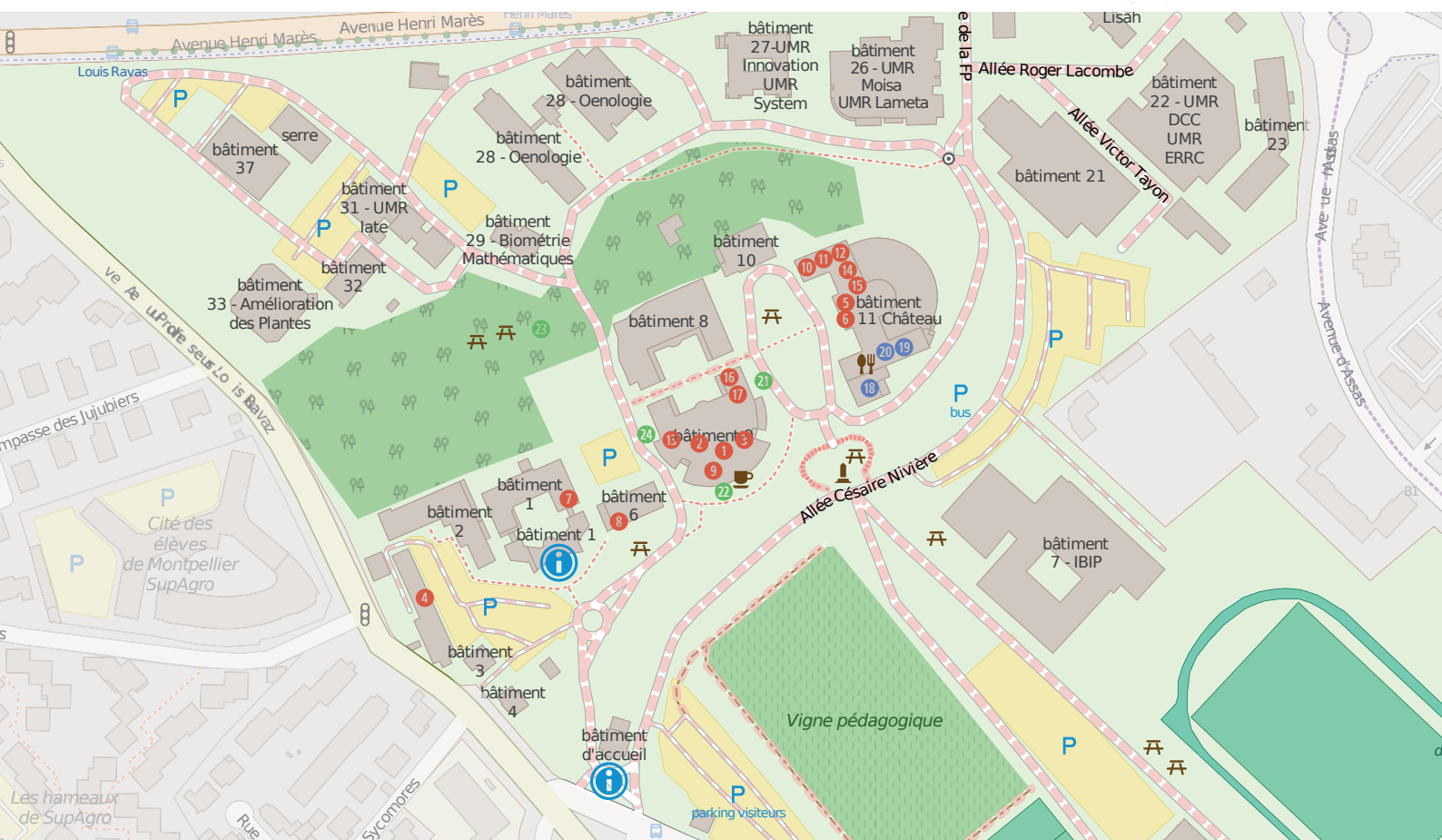
Tourism and visit of a winery

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|----------------|---|
| 08:15 AM | • Meeting point (Institut Agro entrance) |
| 08:30 AM | • Bus departure |
| 10:00-12:00 AM | • Guided tour of Saint-Guilhem-le-Désert (medieval town) |

12:00-01:30 PM **Lunch**

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| 02:00-04:00 PM | • Visit of a Winery (Domaine du Causse d'Arboras, AdVini)
• Return to Montpellier at 05:00 PM |
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- ❶ Amphithéâtre Philippe Lamour
- ❷ Espace Philippe Lamour
- ❸ Amphithéâtres 206 & 208
- ❹ Amphithéâtre 2
- ❺ Hall de la Légion d'Honneur
- ❻ Salles des Conseils
- ❼ Salle A
- ❽ Salles 1 & 2
- ❾ Salle 10
- ❿ Salles collaboratives & 102
- ⓫ Salle 103
- ⓬ Salle 104
- ⓭ Salles 106 & 108
- ⓮ Salles 202 & 203
- ⓯ Salle 204
- ⓰ Salles 301, 302, 304, 305
- ⓱ Salles 303 & 306

- Ⓜ Brasserie « l'Étage » & Salon
- Ⓨ Restaurant self-service « La Marmite »
- Ⓩ AgroForum & terrasse
- ⓓ Allée des platanes
- ⓔ Amphithéâtre de verdure
- ⓕ Espace boisé — Arboretum
- ⓖ Espace traiteur

