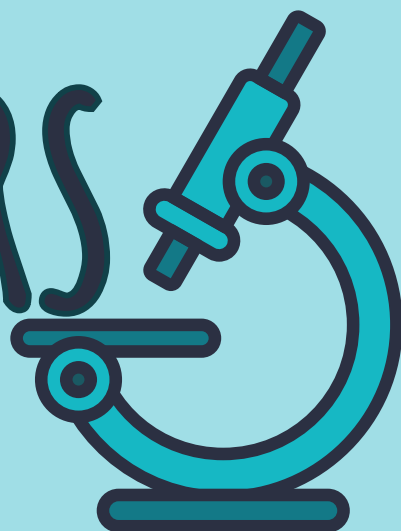


ÉCOLE DOCTORALE
Environnements - Santé
Bourgogne | Franche-Comté

Bienvenue au



FORUM DES JEUNES CHERCHEURS

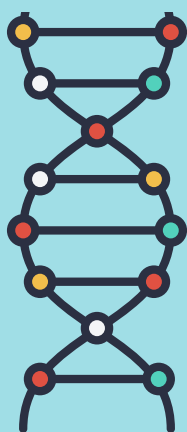


30e EDITION

DOCTEURS DE DEMAIN

5 et 6 juin 2025

BESANÇON



Jeudi 5 juin 2025

9h - 9h30	Ouverture et petit déjeuner (<i>Halle maison de l'Economie</i>)
9h30 - 10h	Mot d'accueil (<i>Salle des conférences</i>)
10h - 11h30	Session Thèse et avenir (<i>Salle des conférences</i>)
10h - 11h30	Clôture de la matinée (<i>Salle des conférences</i>)
12h - 13h	Déjeuner (<i>Halle maison de l'Economie</i>)
13h - 15h	Sessions orales (<i>Salle Vauban et Salle Ledoux</i>) Santé : Oncologie, immunothérapie et santé publique Santé : Biochimie, Génétique, Métabolisme
15h - 15h20	Pause café (<i>Halle maison de l'Economie</i>)
15h20 - 16h45	Session posters (<i>Salon Pasteur</i>)
16h45 - 17h	Clôture de la première journée
A partir de 18h	Moment de convivialité

Vendredi 6 juin 2025

8h30 - 9h30	Accueil et petit déjeuner
9h30 - 11h30	Sessions orales (Pause café 10h30 - 10h50) Sciences de l'environnement (<i>Salle Vauban</i>) Sciences du sport (<i>Salle Ledoux</i>)
11h30 - 12h	Tour des stands (<i>Hall Maison de de l'Economie</i>)
12h - 13h00	Déjeuner (<i>Hall Maison de de l'Economie</i>)
13h30 - 15h30	Sessions orales Sciences agronomiques (<i>Salle Vauban</i>) Neurosciences (<i>Salle Ledoux</i>)
15h30 - 16h15	Pause café (<i>Hall Maison de de l'Economie</i>)
16h15 - 16h45	Remise des prix et clôture du forum

JEUDI 5 JUIN 2025

Session Thèse et avenir (10h - 11h30)

SALON VAUBAN

Intervenants :

- **Émilie Bourgeois, SATT Sayens**
- **Maxime fredon, CARLA Biotherapeutics**
- **Romain Loyon, UMR RIGHT**
- **Annie Frelet-Barrand, FEMTO ST**
- **Laurent Larger, FC Innov**

Autour d'une table, des échanges riches avec des professionnels venus de parcours variés, parfois inattendus. Tous ont en commun d'avoir soutenu une thèse, puis suivi des trajectoires qui les ont menés vers des univers aussi divers que l'industrie, l'entrepreneuriat, les institutions publiques, le conseil, ou encore la communication scientifique.

À travers leurs témoignages authentiques, cette rencontre vise à élargir les horizons des jeunes chercheurs, à déconstruire les idées reçues sur "l'après-thèse", et à montrer que les compétences acquises en doctorat ouvrent bien plus de portes qu'on ne l'imagine. Une invitation à réfléchir, s'inspirer, et envisager son propre avenir avec curiosité et confiance.

JEUDI 5 JUIN 2025

Session orale “Santé : Oncologie, Immunothérapie, Santé publique” (13h - 15h)

SALLE VAUBAN

Jury : Pr. Christophe BORG et Pr Junior. Syrine ABDELJAOUED

Présentation invité : Pr. Chrisophe Borg,
domaine de spécialisation : Onco-immunologie

1. Are community dwelling older adults with impaired functional reserves differ from those who have none transversal study of intrinsic capacities.

Nathan BERNARD

2. Souhait de mort et demandes d'euthanasie et de suicide assisté exprimées par des patients en fin de vie et suivis en Unités de Soins Palliatifs.

Camille DE COCK

3. Préparation des acteurs d'une maison de santé en France à l'approche « Goal-oriented care » : étude pilote.

Corentin MYOTTE

4. Study of the cleavage state of N-cadherin on the surface of high-grade bladder cancer cell small extracellular vesicles.

Jason BERNAUER

5. Role of NRLP3 in CD8 T cell biology.

Lylou MILIAN

6. Resident memory T cell analyses revealed a CXCR6-PD1+ subpopulation with increased stemness features in patients with metastatic colorectal cancer?

Emilien LALOY

7. Evaluation du dasatinib et du ponatinib pour le contrôle de la fonctionnalité de CAR T cell ciblant CD123.

Charles-Frédéric MANTION

Session orale "Santé : Biochimie, Génétique, Métabolisme" (13h - 15)

SALLE LEDOUX

Jury : Dr. Romain LOYON et Dr. Maxime FREDON

Présentation invité : Dr. Maxime FREDON,
domaine de spécialisation : Onco-immunologie

1. Identification of the molecular bases of malformation syndromes with or without intellectual disability using omics data.

Joe MSALLEM

2. One-pot Hantzsch/click for synthesis of new MTDLs compounds with cholinesterases, antioxidant and calcium channel inhibition properties.

Paul BERNARD

3. Targeting of inflamed intestinal regions using fluorescent siRNA-based microparticles in a colitis murine model.

Jérôme CHATELAIN

4. Clinical relevance of the reverse lipopolysaccharide transport pathway in patients with acute peritonitis and mechanistic insights from a murine model.

Marvin ALVAREZ

5. Extracellular vesicles transport HSP90 to exacerbate pulmonary fibrosis.

Léo BIZIOREK

6. The GIP/GLP-1 receptor agonist Tirzepatide improves and regulates hepatic lipid metabolism and glycemic control in obese/diabetic mice.

Amélie LAINÉ

7. Satiating and hedonic effects of fat-taste enhancers: a novel tool for obesity treatment - Preclinical studies.

Lucas JANTZEN

1. Impact of environmental stresses on the production of membrane vesicles by *Oenococcus oeni*.

Amélie CRESSON

2. Context, objective, and approach of my PhD: adaptation of pea (*Pisum sativum* L.) to the impacts of climate change in France.

Abdourahmane DIALLO

3. Effects of drought on growth and bioaccumulation of trace metals by a poplar hybrid (*Populus nigra* × *P. maximowiczii*) on contaminated soil.

Nicolas GARNERET

4. Assessment of sugar beet vinasse to improve trace element phytoextraction by Poplar (*Populus maximowiczii* × *Populus nigra*) from polluted soil.

Manon LAVAL

5. Metabarcoding of intestinal parasites for a paleoepidemiological approach. Application to the Saint-Seurin necropolis in Bordeaux.

Aude BOURGEOT

6. Development of a tool to obtain peptides responsible for oxidative stability from grape must.

John CARLOS

7. Better understanding of off-notes issues in plant-protein-based dessert.

Lucas DEBRAINE

8. Microscopic and Spectroscopic exploration of brewer's spent grain fermentation by *Aspergillus oryzae* for kojic acid synthesis.

Paul LAGNEAUX

9. Effects of agroecological infrastructures on pollinator networks and on the performance of a pollinator-dependent crop: blackcurrant (Noir de Bourgogne).

Théo CADE

10. Effects of herbicides spot-spraying on weed management.

Emile ROGISSART

11. Évaluation des performances technico-économiques et environnementales de systèmes de culture riches en légumineuses et économes en pesticides.

Simon BURESI

12. Study of the mechanisms of immune regulation through the analysis of LysM-RLK (LYK) Receptors in Grapevine.

Aurélien HENRY

13. Genetic determinism of legumes resistance to bruchids and trade-off between resistance and overall performance.

Théo PARIS

14. Phytase activity during Lactic Acid Fermentation : Kinetic and Impact on Protein Solubility.

Valentin PEREYRON

15. Understanding the effect of environmental parameters on the survival and growth of *Clostridium perfringens*: Application to the development of decontamination processes in slaughterhouses.

Léa SAVARD

16. State of the art of natural hydrogen: A path toward a new sustainable energy in Bourgogne Franche-Comté.

Tom GRELET

17. Reappraisal of the Ediacaran-Lower Ordovician stratigraphic framework and of the variscan deformation in the external Maures massif, southwestern Europe.

Thibault PARODI

18. Petrophysical changes and fluid flow during dehydration reactions.

Mario SAUSSEREAU

19. Effects of an intense auditory stimulus on corticospinal tract excitability.

Samuel GERBE

20. Validation of two markerless motion capture systems (OpenCap and Ochy) for kinematic analysis of running.

Théo ARNOULD

21. Relationship between astringency perception and tongue tactile sensitivity.

Alix ROLLINAT

22. Rôles des protéines du Nucléo-Adhésome au cours de la Transition Epithélio-Mésenchymateuse.

Frédéric MONTAGNON

23. Characterization of membrane vesicles produced by the intestinal bacterium *Faecalibacterium duncaniae*.

Laura ABRAHAM

24. Granzyme A in extracellular vesicles produced by T lymphoma affects anti-tumoral immune cells in the tumor microenvironment.

Noémie BLANC

25. Enhancing dendritic cells activation and antigen presentation through NMD inhibition.

Mathis DAMON

26. Metabolic explorations in depression associated insulin resistance: an experimental study using a chronic unpredictable mild stress model of depression in mice.

Franky Teddy ENDOMBA ANGONG

27. Role of autophagy proteins in the immunosuppressive and pro-tumoral functions of HSP70 and HSP110 in colorectal cancer.

Juliette HENNA

28. Omega-3 polyunsaturated fatty acids prevent enteric nerve system injury in high-fat diet induced obesity.

Kangjia LUO

29. Metabolism of plasmalogens in macrophages in the context of atherosclerosis.

Léa RAIMONDO

30. ILC3 Cells as Direct Modulators of CD8 T Cells.

Nolwenn ROGER

31. Detection of Mucorales antigen in bronchoalveolar lavage samples using a newly developed lateral-flow device.

Julie ROUSSELOT

32. Study of the CD2-CD58 costimulation pathway to optimise new anti-cancer therapies.

Clara TISSIER

33. Hydrogel Microspheres for Stem Cell Recruitment and Induction of Directed Differentiation in Osteoarthritis Therapy.

Han YU

34. A formulation rich in resveratrol and omega-3 fatty acids improves the efficacy of radiotherapy in colorectal cancer and modulates angiogenesis, DNA damage and cell death.

Elodie GERMAIN

35. Anti-inflammatory activity of four saponins isolated from the leaves of *Polyscias fruticosa* "Hawaiiana Ming" (Araliaceae).

Efstathia KARACHALIOU

VENDREDI 6 JUIN 2025

Session "Sciences de l'environnement" (9h30 - 11h30)

SALLE VAUBAN

Jury : Pr.Frédéric MAUNY et Dr. Anne-Véronique WALTER-SIMMONET

Présentation invité : Pr.Frédéric MAUNY,
domaine de spécialisation : Epidémiologie

1. Connecting Large-Scale Atmospheric Circulation to Spring Frost Events in Marlborough Vineyards.

Erika COLLET

2. Effect of soil water content on soil respiration sensitivity to temperature (Q10) in a temperate beech forest: overview of data processing from four years of observation with automatic chambers.

Julianne CAPELLE

3. Exploring the Diversity, Evolution and Genetic Determinism of Specialized Metabolites in Pea (*Pisum spp.*) seeds.

Anne-Solenn VALADON

4. Flux de carbone et d'eau dans un écosystème viticole face au changement climatique.

Julien GIRAUDO

5. Designing a collective plan for adapting farming practices and protect the drinking water quality in a small district in eastern France.

Juliette BANS

6. Understanding soils in fruit agroforestry systems: impact of the presence of service plants on soil functions, microbial communities and root systems of fruit trees.

Sterenn LE GUENNIC

7. Weed perception and management decision criteria of farmers reducing reliance on herbicides.

Sandie MASSON

Jury : Dr. Sidney GROSPRETRE et Dr. Jeanne DURY

Présentation invité : Dr. Sidney GROSPRETRE,
domaine de spécialisation : Neurosciences

1. Influence of virtual reality on body schema and peripersonal space.

Léo GUERIN

2. The effect of superimposed local vibration on the time before exhaustion at low and moderate intensity.

Tom TIMBERT

3. Comparison of Static Stretching and Nerve Gliding at Varying Intensities: Acute effect of Flexibility, Neural and Muscular Stiffness, and Strength.

Marion HITIER

4. Influence of the knee and hip joint angles on the knee extensor muscles and tendon shear wave velocity in men and prepubertal boys.

Baptiste CHANEL

5. Effects of Contraction Intensity and Ramp Rate on Motor Unit Decomposition and Persistent Inward Currents in Tibialis anterior.

Rayane ROTY

6. Effet aigu des vibrations locales du tendon quadricipital au repos sur la force musculaire du quadriceps et la vitesse de marche maximale chez la personne âgée en EHPAD.

Michaël ROUSSEL

7. Age related-sex differences in cardiovascular responses to eccentric cycling : preliminary outcomes of the SWEETEXC study.

Trévis CARLET

Session “Sciences agronomiques” (13h30 - 15h30)

SALLE VAUBAN

Jury : Pr Katy Jeannot et Dr Annie Frelet-Barand

Présentation invité : Dr Annie Frelet-Barand,
domaine de spécialisation : Biologie moléculaire et Bactériologie

1. Characteristic and enhancement aroma profile of rice wine produced from non-cooking process.

Thi Ha Giang PHAM

2. Towards the optimization of pea nodulated root system architecture for improved water and nutrition acquisition.

Pratikshya JOSHI

3. Diversity of metabolic impacts on volatile compounds of Lactic Acid Bacteria in cucumber fermentation.

Socheata MAO

4. Impact of Dairy Industry Processes on *Listeria monocytogenes* Stress Resistance and Virulence.

Eliana AKOURY

5. Sodium alginate as a potential material for protection and delivery of extremely oxygen-sensitive (EOS) probiotics.

Ngan DINH

6. Membrane vesicles from *Lactocaseibacillus casei* BL23 enhance biofilm formation in a protein-dependent manner.

Simon MANCEAU

Session "Neurosciences" (13h30 - 15h30)

SALLE LEDOUX

Jury : Dr. Adeline ETIÉVANT et Lidia CABEZA ALVAREZ

Présentation invité : Dr. Adeline ETIÉVANT,
domaine de spécialisation : Neurosciences

1. Role of the lingual GLP-1 system in sweet taste detection.

Savanah BUIRET

2. Loss of physiological postprandial microglial reactivity in aged mice.

Tatiana LANDRE

3. Isolating implicit and explicit processes during visuomotor adaptation.

Johanna MATHIOT

4. Investigating the Blood-CSF Barrier in Alzheimer's Disease: A β Transport and Barrier Integrity.

Cassandre MORISSET

5. Behavioral Impact of Volatile Compounds on Drosophila Species and Involvement of a Complex Sensory Detection Pathway.

Julie VITTET

6. Protocole expérimental d'une étude de faisabilité sur l'impact de l'activité physique sur la qualité du sommeil de personnes présentant un trouble de l'usage d'alcool.

Lilou DUQUET

7. From Booster to Breaker: Chronic EMS Dampens Hippocampal BDNF and Promotes Neuroinflammation.

Julien WIRTZ

8. Influence of motor imagery on behavioral inhibition.

Mathilde LEGRAND

Partenaires et sponsors



OZYME



Ville de
Besançon



INRAE



SMALTIS



FC-iNNOV