

Programme général de la 27ème édition des JED nBISE

(Journées de l'École Doctorale normande de Biologie Intégrative, Santé et Environnement)



Jour 1 – 24 avril 2025

(détails des sessions page 3 à 9)

**8h – 9h : Accueil des participants
et petit déjeuner**

**9h – 9h30 : Discours d'ouverture
et de bienvenue**

9h30 – 11h : Session 1
Communications orales
Thesis projects

**11h – 11h15 : Pause-Café
et Stands Partenaires**

11h15 – 11h45 : Session 1
Posters

11h45 – 13h : Session 2
Communications orales
Thesis projects

**13h – 14h : Pause déjeuner-Café
et Stands Partenaires**

14h – 15h30 : Session 3
Communications orales
Thesis projects

**15h30 – 15h45 : Pause-Café
et Stands Partenaires**

15h45 – 16h15 : Session 2
Posters

16h15 – 17h15 : Table-ronde « L'après-thèse »
Avec Jennifer Pasquier, Sylvain Slaby, Guy Launoy,
Fériel Bacoup et Anne Le Gall

**17h30 – 18h30 : Conférence grand public de
Jennifer Pasquier**, directrice scientifique au SIdaction

19h – 23h : Soirée de Gala chez Jost



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Jour 2 – 25 avril 2025

(détails des sessions page 3 à 9)

**8h – 09h : Accueil des participants
et petit déjeuner**

9h – 10h30 : Session 4

Communications orales

Thesis projects

**10h30 – 10h45 : Pause-Café
et Stands Partenaires**

10h45 – 11h15 : Session 4

Posters

11h15 – 13h : Session 5

Communications orales

Thesis projects

**13h00 – 14h : Pause déjeuner - Café
et Stands Partenaires**

**14h – 15h00 : Table ronde « Rédaction d'articles
et médiation scientifique »**

Avec Christophe Minnier, Damien Guilbert et
Apolline Chabenat

**15h00 – 15h15 : Pause-Café
et Stands Partenaires**

15h15 – 15h45 : Session 5

Posters

**15h45 – 16h00 : Pause-Café
et Stands Partenaires**

**16h – 16h30 : Remise des prix pour les
meilleures Communications orales, *Thesis
projects* et Posters**

- Discours de clôture -



Programme détaillé de la 27ème édition des JED nBISE

(Journées de l'École Doctorale normande de Biologie Intégrative, Santé et Environnement)

❖ Session 1

Communications orales

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|---|------------------------|--|---|------------------------|---|
| 1 | Madalina Ababii | Impact of UV Radiation on Airborne Gram-Negative Bacterial Strain: Adaptation and Resilience in Polluted Environments | 3 | Julie Plouhinec | Enhancement of oxidative stress improve antibiotic treatment efficiency against <i>Enterococcus faecium</i> |
| 2 | Alexandre Mahé | Screening of repurposed chemicals and insights from Thermal Proteome Profiling: in search of new antimicrobials against Methicillin-resistant <i>Staphylococcus aureus</i> | | | |

Thesis projects

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|---|----------------------------|--|---|---------------------------|--|
| 1 | Lise Ratel | The role of interleukin-33 in inflammatory bowel diseases-associated intestinal fibrosis | 5 | Solenn Desmadril | Lasso peptides svceucin and siamycin I have anti-virulence activity and restore vancomycin effectiveness in vancomycin-resistant pathogens |
| 2 | Salomé Lecourtour | Impact of human stress hormones (catecholamines) on <i>Listeria monocytogenes</i> virulence and bacteria/host interactions in the intestine | 6 | Mathieu Gonzalez | Dispersion of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> mixed biofilms |
| 3 | Lucie Houzard | Metabolites from the microbiota and disruption of intestinal homeostasis | 7 | Alexandre Mégevand | Végéphage: Bacteriophage-bacteria interactions in cider matrices |
| 4 | Alexandre Deschamps | Secundilactobacillus collinoides within the cider microbiome: Understanding and preventing the occurrence of "piqûre acroléique" in cider products (CELAD) | | | |

❖ Session 2

Communications orales

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|---|----------------------|---|---|-------------------------|---|
| 1 | Elise Rebollo | The role of myeloid mineralocorticoid receptor and its target neutrophil gelatinase-associated lipocalin in mice with colitis | 3 | Clément Corruble | Characterization of cardiac function in a hereditary mouse model of amyloidosis |
| 2 | Lola Ménager | Exploring the Therapeutic Potential of Dual GLP-1/26RFa Analogues in Type 2 Diabetes | | | |

Thesis projects

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| <p>1 Clothilde Hennion Targeting the Phosphatase Activity of Soluble Epoxide Hydrolase for the Treatment of Calcific Aortic Stenosis</p> <hr/> <p>2 Isabelle Richard Role of COMT in osteoarthritis and associated pain</p> | <p>3 Sophie Trebel Diagnosis of pulmonary embolism with Magnetic Particle Imaging</p> <hr/> <p>4 Grégoire Vincent O-GlcNAcase inhibition in acute decompensated heart failure</p> |
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❖ Session 3

Communications orales

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| <p>1 Thi Hai Yen Nguyen Exploring FGF2 and IL7 as Early Diagnostic Biomarkers and Therapeutic Targets in Fabry Disease</p> <hr/> <p>2 Frédérique Bateux Impact of chemotherapy on Ad, Ap and B spermatogonia in (pre)pubertal boys</p> | <p>3 Aya Terro Validation of the "Collapsed Cone Superposition" for whole-body dosimetry in ¹⁷⁷Lu-PSMA-617 therapy</p> |
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Thesis projects

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| <p>1 Flavie Aleixandre Characterization of the CXCR4/APJ Heterodimer: Towards the Identification of a New Therapeutic Target in Ovarian Cancer</p> <hr/> <p>2 Camille Cochois Evaluation of a local therapeutic strategy to stimulate immune cell infiltration and remodel the glioblastoma microenvironment</p> <hr/> <p>3 Antoine Durand Treatment of glioblastoma with CAR-T cells targeting the endothelin-1 receptor</p> <hr/> <p>4 Chloé Marde Alagama Development of innovative processes to predict response to cancer treatments and guide therapeutic decision-making using Patient-Derived Tumor Organoids</p> | <p>5 Manon Grenet Combinatorial approach targeting peptidergic systems with chemoattractant and angiogenic properties in the treatment of glioblastoma</p> <hr/> <p>6 Marius Nicollet Trajectories of Cognitive Complaints in Patients Treated for Non-Metastatic Breast Cancer: A Sub-Study of the National ANR CANTO Cohort</p> <hr/> <p>7 Chloé Périchaud Targeting the cGAS/STING signaling pathway in ovarian cancers: a key to enhance immunotherapies response?</p> |
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❖ Session 4

Communications orales

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| <p>1 Manon Lefèvre Effects of benzophenone-3 (BP-3) on the metabolism of the European seabass <i>Dicentrarchus labrax</i></p> <hr/> <p>2 Crystal Renaud DNA long-read sequencing, an interest for genetics predispositions to breast and ovarian cancer</p> | <p>3 Lyse Szymanski The effects of additives in face mask on bronchial epithelial cells lines – A mitochondrial focus</p> |
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Thesis projects

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|---|-----------------------|---|---|---------------------------------|--|
| 1 | Camille Cagnot | Judicial assistance dogs: What effects on minors, gendarmes, and the dog during forensic interviews? An ethological and psychological approach | 5 | Houssam Eddine Rahimi | Deep Learning for Groundwater Fluctuation Prediction in the HYDROLINK Project |
| 2 | Jade Mourgues | Impacts of environmental and physiological factors on the response of mussel to bacteria | 6 | Javiera Paz Pavez Castro | Trophic transfer of inorganic and methyl mercury from microalgae to blue mussels (<i>Mytilus edulis</i>) |
| 3 | Cecile Demey | Use of a plant-based biomaterial for cartilage engineering | 7 | Camille Carpentier | Reef effect of offshore wind farms: Impacts on primary carbon production (CARBOREEF) |
| 4 | Céleste Mouth | Occurrence and potential environmental impact of micro/nanoplastics in estuaries – A case study of two transatlantic populations of the copepod <i>Eurytemora affinis</i> | | | |

❖ Session 5

Communications orales

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|---|-------------------------|---|---|---------------------------|---|
| 1 | Ivan Igor Gaez | Correlation Between PERCLOS Index and Hori Sleep Stages: EEG Insights on Drowsiness | 3 | Morgane Meyer | Effects of Vibratory and Auditory Stimulation on EEG-Measured Vigilance Following Sleep Deprivation |
| 2 | Amandine Santini | Epigenetic signatures in developmental disorders: can signature patterns disclose enriched information on phenotypes? | 4 | Alexandre Beranger | Oligodendrocyte differentiation and sensorimotor behavior: role of the endothelial NMDA receptor |

Thesis projects

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|---|---------------------------|---|---|--------------------------|---|
| 1 | Caroline Derouck | Optimizing Vagus Nerve Stimulation to Enhance Post-Stroke Motor Recovery | 5 | Evalena Thoré | Impact of the neuronal and endothelial autophagy response in ischemic strokes |
| 2 | Fatima Zahra Abani | Exploration of non-coding and structural variations in early-onset Alzheimer disease patients: contribution of PacBio HiFi long-read sequencing | 6 | Laurétia Brisard | Mechanisms and biomarkers of tPA action on NMDA receptors: translational scRNAseq approach |
| 3 | Romain Penicaud | Study and role of mitophagy under hypoxia-reoxygenation conditions in a mouse cortical neuron model | 7 | Canelle Lepillier | In vivo study by ultrasound imaging of the early neurovascular phenomena induced by ischemic stroke |
| 4 | Paola Kola | At the root of altered visuo-spatial and balance skills in astronauts | | | |

❖ Session 1

Jeudi 24 avril matin

NUMERO DE POSTER	SALLE	NOM	PRENOM	TITRE
1	1	Germot	Adrien	Agricultural exposures and DNA damage in PBMC measured using the alkaline comet assay
3	1	Gourand	Julien	EAT Thesis : Development of a bioassay in situ based on the rate of food of the crevette bouquet <i>Palaemon serratus</i>
5	1	Guilloton	Corentine	Characterisation of inflammation signalling pathway in <i>Mytilus edulis</i> using haemocyte cellular responses
7	1	Jeanne	Jason	Development of a chronic toxicity bioassay in the larvae of the shrimp <i>Palaemon serratus</i>
9	1	Mehrez	Karima	Hydrothermal conversion of heavy metals contaminated biomass: products characterization and liquid phase evaluation
11	1	Moustafa	Joelle	Impact of heat waves on diabetes: from observations to pathological models analysis
13	1	Schott	Océane	How challenge affect octopus' chromatic expression during prey hunting?

❖ Session 2

Jeudi 24 avril après-midi

NUMERO DE POSTER	SALLE	NOM	PRENOM	TITRE
17	2	Boel	Hugues	Metabolic transcriptional and lipidomic benefits of EZH2 inhibition in the heart: which place for macrophages?
19	2	Coupeau	Roman	From anxiety to depression: Investigating emotional states in crayfish
21	2	Dehédin	Julie	The role of catecholamines and their degradation enzyme COMT in the central nervous system in the pathology of osteoarthritis
23	2	Kerevel	Corentin	Functional characterization of a TRPM4 cation channel on human aortic valve endothelial cells
25	2	Kola	Adéla	The positive impact of painting observation on balance in patients with bilateral vestibulopathy
27	2	Leclerc	Juliette	Optimizing Cortical Activity for Stroke Recovery via Vagus Nerve Stimulation
29	2	Perthuy	Baptiste	Comparative study of a-gO vs. VICON motion capture tools in nonlinear analyses of motor variability
31	2	Racine	Camille	Pioneering Insights in cerebellar angiogenesis: innovations and first data

❖ Session 3

Vendredi 25 avril matin

NUMERO DE POSTER	SALLE	NOM	PRENOM	TITRE
2	1	Carmon	Alexandra	Investigating cognitive-emotional disorders induced by SHH medulloblastoma and its treatments: from organoids to preclinical model
4	1	De Luca-Henny	Kévin	G Protein-Coupled Receptors as Novel Therapeutic Targets for Radioligand Therapy (TRT) in Ovarian Cancer
6	1	Girardi	Mélanie	The challenge to interpret genetic variants mapping to <i>BRCA1</i> exons 9 and 10 highlights the importance of better understanding the potential rescue role of alternatively spliced transcripts
8	1	Mesbah	Zacharia	Predicting NSCLC patient response to radio-chemotherapy treatment, Radiomic analysis applied to the RTEP7 protocol
10	1	Rida	Hanan	Cardiac hybrid metabolic imaging by multi-nuclear ¹⁸ F-FDG PET-MRI (²³ Na/ ¹ H) in radiation-induced cardiotoxicity: evaluation of the effect of dapagliflozin
12	1	Rousseau	Valentin	Impact of low- or moderate risk gonadotoxic chemotherapy prior testicular tissue freezing on somatic cells density and maturity in human (pre)pubertal testicular tissue
14	1	Seiffert	Caroline	Role of the molecular interaction between Profilin-1 and ATG9A in the invasive properties of glioblastoma cells
16	1	Zerguine	Yann	Cerebral organoids: an innovative model for studying genetic predisposition in pediatrics brain tumors

❖ Session 4

Vendredi 25 avril après-midi

NUMERO DE POSTER	SALLE	NOM	PRENOM	TITRE
18	2	Bohuon	Victoire	Influence of microbiota on passage of nanoparticles through the epithelial barrier
20	2	Amegnona	Lanyo Jospin	Microbial endocrinology: Is SP an actor in host-bacteria communication in <i>Pseudomonas</i> ?
22	2	Bernachot	Coraline	Comparative genomic analysis identifies specific genes associated with a high-risk diffusion <i>Klebsiella pneumoniae</i> ST405 Intensive Care Unit clone
24	2	Bizière-Maco	Héloïse	Quorum sensing signal exchange and volatile organic compounds emission: two communication systems potentially involved in the biocontrol activity of <i>Rhodococcus erythropolis</i> R138
26	2	Boujnane	Meryem	Role of catecholamines in Bacteria (pathogens and probiotics)-Host interactions
28	2	Cochelin	Ronan	Carbohydrate and antibiotics : a novel Trojan horse strategy against antimicrobial resistance
30	2	Perrier	Fabien	Assessing Soil Microbial Diversity Using Traditional Culture, Enrichment, and iChip Methods for Antibiotic Discovery
32	2	Rami	Meriem	Isolation and characterization of extracellular vesicles for the comprehension of Equine <i>Rhodococcosis</i>