



Provisional programme

9th International Workshop on Nitric Oxide and Cancer

Special focus on Inflammation and Therapeutics

(September, 8th-10th, 2025)

Maison des Sciences de l'Homme, Université de Bourgogne Europe, Dijon

MONDAY, SEPTEMBER 8th, 2025

9h15-10h00 : Arrival and registration, coffee

10h00-10h15 Greetings and opening session

Université de Bourgogne Europe / UMR1231 CTM

Local organizers and ISNOC executive committee

10h15– 11h30 Lifetime achievement award

SESSION 1: Oxidative and inflammatory stress in tumor

11h30-11h55 – Moran Benhar - Mechanistic insights into reactive sulfur species mediated protection from inflammatory cell death.

11h55-12h25 – Stéphanie Solier – Copper and plasticity.

12h30-13h55: Lunch

13h55-14h20 – Christopher Switzer – Oxidative Signalling Mechanisms in Tumour Hypoxia.

14h20-14h45 – Maria Clara Franco – The Tumorigenic Role of Nitrated Proteins in Cancer

14h45 – 14h55 Presentation of the NO-CANCER-NET - Doctoral Network – Marie Skłodowska-Curie Actions (MSCA) – Sharon Glynn (coordinator)

14h55 – 15h05 *Flash poster presentations – (1 slide – 120 sec)*

SESSION 2: Control of thiol-based redox signaling

15h05-15h30 – Douglas D Thomas – “NO Trespassing” how nitric oxide hijacks non-heme iron proteins to control the epigenome

15h30-15h55 – Katrina Miranda – *Title to be determined*

15h55-16h20 – Dennis Stuehr – Nitric oxide and hypoxia regulation of heme protein functions and potential role in cancer

16h20– 16h50 - Coffee break

16h50-17h20 *Young investigator session*

17h20- 17h30 - *Flash poster presentations*

17h30 – 18h30 – Poster Session

TUESDAY, SEPTEMBER 9th, 2025

SESSION 3 : NO production, metabolism and cell death

9h00-9h25 – Emma Creagh – **Inflammatory factors affecting TNBC tumour and infiltrating immune cell phenotype & function**

9h25-9h50 – Erika Palmieri – Metabolic reprogramming of Tumor Microenvironment by Nitric Oxide

9h50-10h15 – Jordi Muntané - S-nitrosylation signature related to Sorafenib resistance in liver cancer cells

10h15-10h40 – Hugo Monteiro – Involvement of the NOS2/NOX4/GSNOR enzyme complex in the regulation of NOX4 activity in colorectal cancer cells

10h40-11h00 - Coffee break

11h00-11h10 *Flash poster presentations*

SESSION 4: Angiogenesis, endothelial dysfunction

11h10-11h35 – Jean-Philippe Gratton - Regulation of normal and pathological angiogenesis by endothelial nitric oxide synthase (eNOS).

11h35-12h00 – VB Schini-Kerth – Sodium-glucose co-transporter 2: A novel therapeutic target in endothelial senescence and dysfunction promoting cardiovascular disease.

12h00-12h25 – Miriam Cortese – The role of NO/sGC pathway in erythropoiesis

12h30-14h00: Lunch – poster session

14h00-14h30 *Young investigator session*

SESSION 5: NO influence on the tumor-immune landscape and beyond:

14h30-14h55 – David Wink - Spatial geographic distribution of NOS2 and COX2 in ER (-) breast cancer: New insights into innovative diagnostic and treatment strategies for advanced malignancies.

14h55-15h20 – Thomas Sauter – Computational drug sensitivity prediction

15h20-15h45 – *speaker*

15h45-16h15 - Coffee break

SESSION 6 : Therapeutic inhibition of NO, NOS / NO delivery – Part 1

16h15-16h40 – Jenny Chang – Nitric Oxide and Cancer

16h40-17h05 – *speaker*

17h05-17h30 – Khosrow Kashfi - Challenging the Paradigm: Constitutive Expression of iNOS and the Case for Revisiting NOS Nomenclature

17h30 – 18h30 – Poster Session

DINER

WEDNESDAY, SEPTEMBER 10th, 2025

SESSION 7 : Therapeutic inhibition of NO, NOS / NO delivery – Part 2

9h00-9h25 – **Christian Serre - Biocompatible Metal-Organic Frameworks Gasotransmitters for Wound Healing and Beyond.**

9h25-9h50 – **Isabelle Malfant - Nitric oxide Photorelease - Coordination Chemistry and Therapeutic Perspectives**

9h50-10h15 – **Greta Varchi - Targeting SMYD3-driven epigenetic pathways in cancer chemoresistance: advancing combination therapy strategies**

10h15-10h45 Coffee break

10h45-11h05 – **In-Kyu Park - Stimuli-Responsive Nanocarriers Enable Controlled Nitric Oxide Delivery to Reprogram Tumor Immunity and Amplify Therapeutic Impact.**

Awards

Round-table discussion: “NO, Tumor Microenvironment Regulation, and Tumor-Specific Targeting: Challenges and Future Directions”

12h00 END OF MEETING