



Marie Migaud, PhD.

Professor of Pharmacology and Oncological Sciences
Director of Mass Spectroscopy Facilities

37 H-Index

44 Patents

6,635 Citations

Research Interests

Organic Synthesis
Chemical Biology

Medicinal Chemistry
Drug Delivery

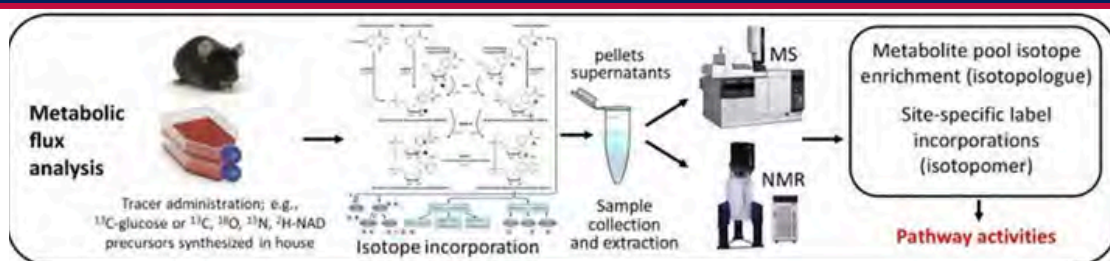
Biosynthetic Pathways in Cancer
Metabolic/Signaling enzymes

Experimental Capabilities

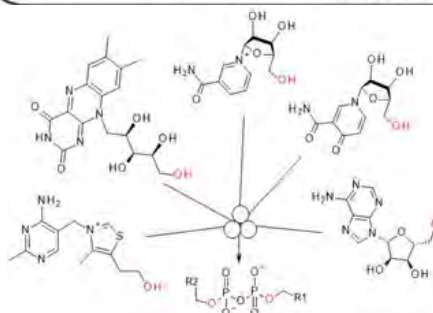
Drug Design, Discovery and Metabolism
Mechanochemical Synthesis of Nucleotide Dimers

Nucleoside Synthesis
Metabolic Tracing through Isotopologues of Nucleosides

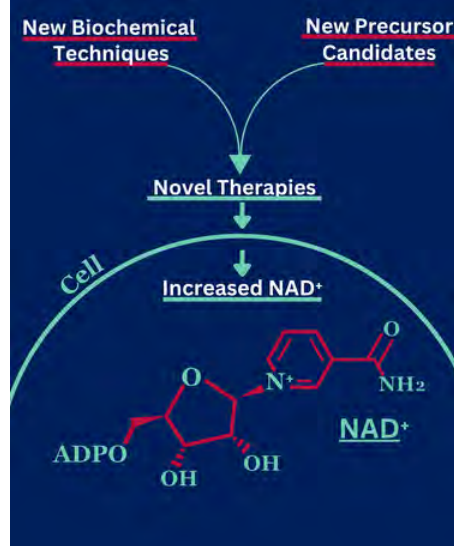
Biospecimen Analysis
DNA Synthesis



(Above) Metabolic flux experimental workflow.



(Left) Pyrophosphates containing a combination of vitamin B1-thiamine, B2-riboflavin, B3-nicotinamide riboside, 3-carboxamide-4-pyridone and adenosine.



2019
Biochemical Society Transaction
"The Chemistry of the Vitamin B3 Metabolome"

2022
"Deacylation of Carbohydrate Compounds"
Patent Pending

2023
"Dihyronicotinamide Riboside Supplementation to Treat Osteoarthritis"
Patent Pending

2022
"Ribose Linkers and Conjugates Thereof"
Patent Pending

2023
"Nicotinamide-Riboside and Pterostilbene Combinations to Treat Osteoarthritis"
Patent Pending

2024
"Antioxidant Nicotinoyl Compounds"
Provisional Patent Filed



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