Phenobio+

A 5-Year Research Chair, Where Science and Industry Work Together for the Investigation of the Polyphenols Health Benefits

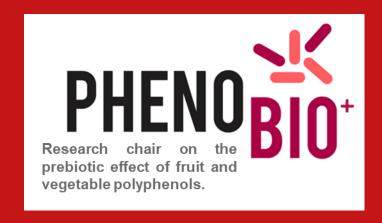
Noëmie Daniel, Symrise, 5th of October













Symrise offers health actives for human and pet

Science is at the core of our innovative Health solutions

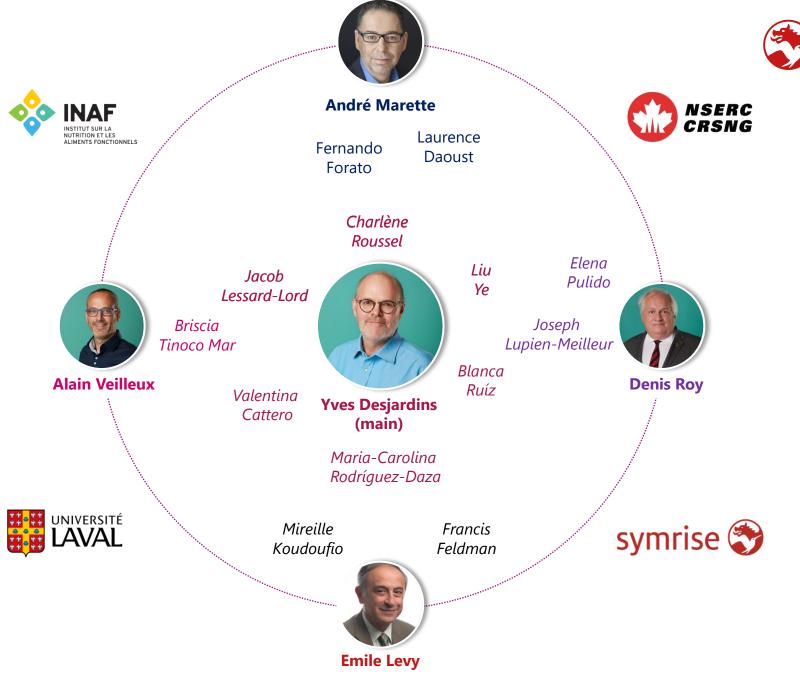
Phenobio + *a 5-year Research Chair*

Industrial Research Chair of the

CRSNG-Diana Food on the prebiotic

effect of fruits and légumes

polyphenols



The research program



Investigate the potential of polyphenols metabolization by several *L. plantarum* strains

Investigate the prebiotic beneficial effects of fruits/vegetable/sidestream products polyphenols





Set up microbiota and intestinal in vitro systems

Implementation of analytical platforms for metabolomics and metagenomics

The research program

The Prebiocran[™] example



Sidestream products

Extracts, pomaces...

Investigate the prebiotic beneficial effects of fruits/vegetable/sidestream products polyphenols











Clinical study





Animal models of metabolic disorders

prebiocran

M-SHIME artificial human digestion model



Organoids complex *in vitro* model



A systemic scientific approach

Go to talk to the students!



Chaire partenariale Symrise/CRSNG
sur l'effet prébiotique des polyphénols
de petits fruits



