

Research focus & main expertise

maladaptation Risk ecological impact Duke Zepfaff, Harvard TU Braunschweig	Nutrient & spatial optimization by modifying environmental conditions by choosing the right genotype. Plant physiology bioenergies Carmel Herrero	Governance levered bottle/neck to improve access Duke Zepfaff, Harvard TU Braunschweig	LABORATORY SCALE (ML) Red and fungal bioreactors evaluation and their applications collaborating with industrial partners and ecological approaches	BIO-PROCESS ENGINEERING DECISION: FERMENTATION METABOLIC ENGINEERING Frederic Bourgaud CNRS	PLANT/TERRESTRIAL DIVERSITY -Water regulation -circularity -Waste management Claudia Bahlsohn CNRS	
molecular biology Ecology pathways metabolism cryptic functions discovery of new enzymes genetic diversity Veronica Kappel CNRS	Leakage Resistant Innovation for Systems & Community Marc Rauscher Project Director	VALORIZATION OF ETHANOL VEGETABLE SURPLUS for MACRO-FERMENTATION WET, WIFE PRESS SUBSTRATE FOR VINEY'S MARKET READY Martina Mita Togo CNRS	- applied plant Research - reuse waste - by bio-fertilizer - substrate - bio-stimulants Carina Einfeld CNRS	Design of sustainable systems Optical sensors Quantum sensor for food to chemistry to microbiology Dionneville Barbels CNRS	ORGANIC CHEMISTRY ORGANIC MATERIALS HYBRID MATERIALS NANOCOMPOSITE MATERIALS Andrea Guarnaccio CNRS	expertise - working for packaging strategies - research in food packaging Stephanie Krieger-Claus CNRS
Microbial Biod Fermentation BIO-WASTE AND BIO-PRODUCT UTILIZATION BIO-PROCESS TECHNOLOGY Duke Zepfaff, Harvard TU Braunschweig	Microbial Biod Fermentation BIO-WASTE AND BIO-PRODUCT UTILIZATION BIO-PROCESS TECHNOLOGY Duke Zepfaff, Harvard TU Braunschweig	Drive Business Model's Design and Pathways for Commercialization Marc Rauscher Project Director	Beverage & Food Fermentation and low waste streams and waste Christiane von Weizsäcker CNRS	Impact of cropping system and weather on material quality. Evelin Loh-Harro CNRS	-Crop protection - Organic farming - Soil protection - Food safety - Climate change - Air pollution Agnes Kienast CNRS	- bio-based packaging material Research for Stephanie Krieger-Claus CNRS
- Food by-product valorization - Green Extraction Technology - Gut health promoting ingredients	Food by-product valorization - Green Extraction Technology - Gut health promoting ingredients	Microbial Biod Fermentation BIO-WASTE AND BIO-PRODUCT UTILIZATION BIO-PROCESS TECHNOLOGY Duke Zepfaff, Harvard TU Braunschweig	Beer & Food Fermentation and low waste streams and waste Christiane von Weizäcker CNRS	• this production platform for bio-based compounds - bio-protective - food - clean - sustainable Birgit Teuvsen CNRS	RECYCLING WASTE / END-OF-LIFE POLYMERS BY ADDING BIO-F- GING FLUIDS (e.g. BEERIE) . Andrea Guarnaccio CNRS	PLANT SPECIALIZED METABOLITES Frederic Bourgaud CNRS

Bio-based T

Research infrastructure & resources

Bio-based Technologies and Biomanufacturing

Engagement with socio-economic stakeholders

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Project experience & preferred role