

UMR 1329 - Laboratory for the study of residues and contaminants in foodstuffs (LABERCA)

SUPERVISORY BODIES



UNIT MANAGER

Bruno LE BIZEC

LOCATION

Region : Pays de la Loire
(Nantes)

University site : ComUE
Bretagne Loire

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The Unit's historical field is that of food chemical safety and is part of an overall and integrated approach of exposure characterisation, from agricultural supplies to Man and his descendance.

Indeed, LABERCA is endeavouring to generate knowledge linked to sources, transfer and metabolism of the studied chemical compounds, in order to characterise both the consumer's external (dietary - measuring occurrence in foodstuffs) and internal exposure (impregnation indicator) taking into consideration the same parameters, their metabolites or degradation products in biological fluids and tissues.

More recently and via several collaborative projects, the Unit generates data which contribute to the identification of hazards – in particular for endocrine disrupting substances – through the identification of exposure and/or effect biomarkers signing the exposure to the studied hazard, but also via the study of potential links between prevalence of the parameter (external or internal exposure) and clinical observation.

LABERCA is also the National Reference Laboratory (NRL) for risk management issues associated with chemical residues and contaminants in foodstuffs.

Research themes

- Fate of chemical residues and contaminants from the environment to humans via the food chain
- Biological signature of effects caused by exposure to a chemical hazard
- Use of metabolites and biomarkers for characterizing individual exposure to chemical contaminants

Unit website : <http://www.laberca.org>

DOCTORAL SCHOOL(S)

EGAAL

DS 600 - Ecology, geosciences, agronomy, food

Website : <https://ed-egaal.u-bretagne-loire.fr>

Co-accredited institutions : L'Institut Agro Rennes-Angers, Oniris, Université d'Angers, Université de Bretagne Occidentale, Université de Nantes, Université Rennes

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Head : Yannick OUTREMAN