

POST-DOCTORAL POSITION

LOCATION :

Unit : UMRA-INRA-ENESAD, Dijon, France
Team : molecular interactions and flavour perception.
Manager : Elisabeth Guichard
Composition : 17 scientists and 8 technicians

TITLE :

Physico-chemical and sensory properties of aroma compounds in matrices explained by chemical descriptors and molecular modeling.

DETAILS OF PROGRAMM (12 months):

- synthesis of available data on from existing data bases.
- 3D molecular modeling.
- QSPR (Quantitative Structure Properties Relationship).
- Obtention of complementary experimental data (kinetic and thermodynamic parameters).
- Synthesis of results.

NATIONAL and INTERNATIONAL SCIENTIFIC CONTEXT :

French project CANAL-ARLE (14 industrial partners, 11 public laboratories): aroma-matrix-packaging interactions.

COST-Action 921 : Food matrices, structural organisation from nano to macroscale and impact on flavour release and perception.

CONTACT :

UMRA-INRA-ENESAD, 17 rue Sully, 21065 Dijon Cedex,
Elisabeth GUICHARD, guichard@dijon.inra.fr
Tel : 0380693277 Fax : 0380693227