

1. Functional Foods.

- **Description:** The aim of the EU-10 FUNCTIONAL FOODS project is to cover the study of the entire technological process involved in developing functional foods, namely, seeking and obtaining ingredients with a functional capacity, followed by their preparation and application in selected foods, and finally performing relevant nutritional intervention studies, which will enable us to scientifically guarantee the properties of these ingredients.

The project seeks to study and try to solve the following problem areas:

1. Obtaining natural ingredients from by-products of plant origin or through varieties rich in compounds of interest.
2. Obtaining probiotic and/or starter strains.
3. Obtaining natural or probiotic chemical functional ingredients, which are feasible after the normal industrial manufacturing technological processes.
4. Development of healthier foods either by modifying the animal feed or via the addition of a natural/probiotic ingredient.
5. Nutritional allegations that permit verifying the health effects of the foods developed.

A large consortium has been formed that involves both product developer end user companies, and suppliers of those ingredients. Both depend on the Research Centres/Universities to optimise the extraction, application and preparation of the ingredients, as well as the subsequent nutritional intervention studies.

- **Participants:**

- University Groups: 2. University of Navarra (Pharmaceutical Technology and Pharmacy Department and Food Science Institute)

- Technological Centres and foundations: 4. C.N.T.A (National Centre for Food Safety and Technology) (leader), ALVO-Cow and Sheep Milk Association of the Regional Communities of Navarra and the Basque Country), CEMITEC, ITGA (Technical and Agricultural Management Institute of Navarra)

- Companies: 13. Pamplonica, S.L., Incanasa-Argal, Bodegas Vega del Castillo, S.C., Productos agropecuarios Hermanos Oliver, S.L. (PAHO), Iberfruta, LYS Alimentación, Goikoa, Ardiberri, S.L., SAT Ultzamakoak, Lácteos Belate, UVESA, Gutarra, Grupo IAN.

-TOTAL: 19.

- **Project Time:** 01/09/2007 until 30/09/2010
- **Total Budget:** 2,861,200 €

2. EVIDENCIA. (Feasibility, development and assessment study for new compounds in applied research).

- **Description:**

The **EVIDENCIA** Project (Study of Feasibility, Development and Assessment of New Compounds in Applied Research) seeks to implement a methodology that will satisfy the characteristics of the methods fostered by the EuroInnova Navarra programme, in this case applied to acquiring the necessary knowledge to decide if a pharmacological compound of biotechnological origin – recombining proteins, monoclonal antibodies, peptides, cellular therapies, etc -, may, due to their peculiarities as molecules, be a candidate to be developed clinically. This methodology will be based on an analysis of the following parameters:

- its technological and intellectual property feasibility
- its biological efficiency and activity
- its capacity to be produced on an industrial scale
- its chemical properties and formulation
- its pharmacokinetic and toxicological profile
- the legal requirements to approve its marketing
- the characteristics of the target market for the drug

In order to put this methodology into practice and validate it, an initial specific project will be developed that consists in assessing the pharmacological potential of the recombining protein EDA (extra domain A from fibronectin) which, due to its agonistic action mechanism of TLRs (toll-like receptors), may have a relevant role as a vaccine adjuvant on favouring the immunogenic response to the viral, bacterial or tumoural antigen that it will accompany.

- **Participants:**

- Technological Centres and Foundations: 3. Agrobiotechnology Institute of the UPNA, Centre for Applied Medical Research (CIMA), Centre for Research into Applied Pharmacobiology (CIFA)

- Companies: 4. Biomedicine Project CIMA, S.L., 3P Biopharmaceuticals, S.L., Digna Biotech (leader), Idifarma Desarrollo Farmacéutico, S.L.

-TOTAL: 7

- **Project Time:** 01/09/2007 until 30/08/2010

- **Total Budget:** 1,504,500 €