Health Benefits of Foods:
From Emerging Science to Innovative Products
ILSI Europe aims to

1. Play a catalytic role in **identifying and addressing critical scientific issues** related to nutrition, food safety and the environment

2. **Provide coherent scientific answers** to issues of public interest through scientific programmes that are of mutual interest to industry, government and academia

3. Support an active publication programme for the **dissemination** of scientific information to the broadest possible audience including the scientific community, international organisations and regulatory agencies
ILSI Europe mission and values

Improve public health by the advancement of science

Assessment of Benefits and Risks
- Addition of Nutrients to Food
- Emerging Technologies for Efficacy Demonstration
- Food Intake Methodology
- Functional Foods
- Novel Foods and Nanotechnology
- Risk Analysis in Food Microbiology
- Risk Assessment of Chemicals in Food
- Risk Assessment of Genotoxic Carcinogens
- Threshold of Toxicological Concern

Food Chain
- Emerging Microbiological Issues
- Environment and Health
- Packaging Materials
- Process-related Compounds and Natural Toxins

Societal Aspects
- Consumer Science

Diet, Health and Disease
- Dietary Carbohydrates
- Eating Behaviour and Energy Balance
- Food Allergy
- Metabolic Imprinting
- Metabolic Syndrome and Diabetes
- Nutrient Requirements
- Nutrition and Immunity
- Nutrition and Mental Performance
- Prebiotics
- Probiotics
- Weight Management in Public Health

5-7 October 2011
Prague (CZ)
ILSI Europe mission and values

ILSI Europe uses a **tripartite approach**

- **Academia**
- **Industry**
- **Government**

**Neutral Forum**
Publications

- Concise Monograph Series
- Report Series
- Scientific Journals (Articles & Proceedings)
- Books
- Brochures
- ILSI Europe Newsflashes

http://europe.ilsi.org/publications/
Functional Foods Task Force

Objectives

• Support the development and substantiation of health claims on foods

• Anticipate regulatory developments and initiate relevant scientific activities

• Promote development and validation of biomarkers

• Adress societal developments in relation to nutrition and health issues
ILSI Europe Publications

2nd International Symposium

Highlight:

Concise Monograph

Int. activities

Polyphenols

Human Intervention Studies

PROCLAIM

ILSI Europe

Publications

2005 2006 2007 2008 2009 2010 2011 2012

2007

2008

2009

2010

2011

2012

Proceedings + Report

Workshop

Report

EC Regulation

EFSA Guidance report on applications

Conference on Claims

Principles Substantiation Claims + Stakeholder Consultation
Consumption of functional food component

Markers of exposure to food component

Markers of target function / biological response

Markers of intermediate endpoint

Enhanced target function

Reduced risk of disease

TYPE A CLAIMS (enhanced function)

TYPE B CLAIMS (reduced risk of disease)
Functional Foods Task Force

PASSCLAIM

- Human data
- Valid markers
- Food characteristics

Totality and weight of evidence

Substantiated claim
Recently completed:
Application of PASSCLAIM Criteria to polyphenols

Ongoing key task force activities:

1. PROCLAIM: guidelines for standardised approach to prove efficacy and weigh evidence
2. Provide `best common practice´ guidance for human intervention studies
3. Guidelines on Good Nutritional Practice
4. Oral aspects
5. Criteria for validation of markers: Markers Validation Initiative
6. … in the area of cardiovascular health
Objectives: To identify

1. Consensus criteria for validation of markers in nutrition research 2011-2012

2. Consensus markers to use in different fields of nutrition research 2013

Through the involvement of various task forces:

- Addition of Nutrients to Food
- Dietary Carbohydrates
- Eating Behaviour and Energy Balance
- Metabolic Imprinting
- Nutrient Requirements
- Nutrition and Immunity
- Nutrition and Mental Performance
- Probiotics