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**3rd INTERNATIONAL EAAP
SYMPOSIUM on ENERGY
and PROTEIN METABOLISM
and NUTRITION**

*Parma (Italy)
6-10 September 2010*

Continuing the strategy followed by the previous ISEP (Vichy-France, 2007), the 3rd ISEP will focus on the effort of combining fundamental research with applied research and practical applications. Energy and protein metabolism and nutrition cannot be addressed separately and a better and deeper understanding of nutrient metabolism and nutrition can be achieved only integrating the outcomes of scientists making research on different aspects of this topic.

Nutrigenomics is just an example of the possibilities of improvement in knowledge and applied applications that can arise from the synergism between different lines of research. The present situation all over the world is critical both economically and in terms of food security and safety and of environmental impact.

Fundamental research is certainly needed but it must be translated also into practical outcomes for a direct benefit of producers and consumers.

Italy is recognized as a Country of art, beautiful nature scenarios and good food.

The link between energy/protein metabolism and nutrition and food quality is one of the goal of the present symposium.

A second one combines nutrition with environment.

The third will deal with the new possibilities provided by the rapidly growing nutrigenomic knowledge.

We wish a symposium based on a workshop spirit, with interaction and collaboration among scientists from different countries and an exchange of expertise and knowledge.

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TOPICS

1. Energy/protein "omics" (including mitochondrial functions)
2. Stable isotopes and other techniques in metabolism and nutrition
3. Energy/protein tissue metabolism
4. Systemic and local regulation mechanisms
5. Energy/protein and their interaction on productive functions (milk, meat, eggs...)
6. Energy/protein nutrition and environmental sustainability
7. Energy/protein metabolism and nutrition, and health in farm and companion animals
8. Evaluation and modelling of feed value and requirements
9. Influence of energy/protein metabolism and nutrition on product quality
10. How "minor" nutrients can affect energy/protein metabolism

Scientific Secretariat

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