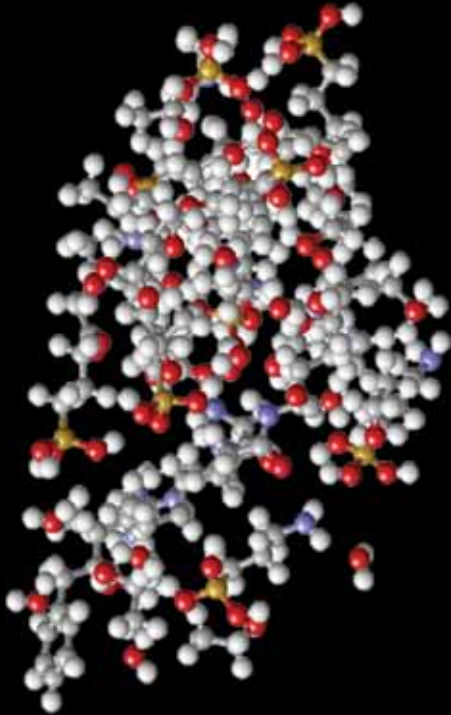


SNIFFER

NETWORK OF CHEMICAL
AND PHYSICAL SENSORS
FOR FOOD SUPPLY
CHAIN SECURITY



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SNIFFER

NETWORK OF CHEMICAL AND PHYSICAL SENSORS FOR FOOD SUPPLY CHAIN SECURITY

The aim with project SNIFFER is to design and develop a network of distributed devices capable of rapidly detecting on-site multiple kinds of agents and CBR agents which are highly sensitive and specific throughout the most vulnerable stages of the food supply chain (such as farms, large collection centers, wholesalers).

INESC Porto will be responsible for developing sensors based on chemical or physical interactions. These sensors can be used to develop Molecular Imprinted Polymers (MIPs), which are highly selective materials, as well as on Resistive Pulse Experiments using functionalised and non-functionalised nanostructures. Electrical and optical sensors will be developed, extending the applicability of the sensors from single point low-cost sensors to wide area sensor networks.

SNIFFER IS AN FP7 APPROVED PROJECT
IN WHICH THE FOLLOWING INSTITUTIONS PARTICIPATE

TEKEVER ASDS PT

Centro de Investigação da Academia Militar

/ **Laboratório de Bromatologia e de Defesa Biológica** PT

Umeå Universitet SE

Instituto de Engenharia de Sistemas e Computadores do Porto PT

Universidad de Burgos ES

Österreichischen Agentur für Gesundheit und Ernährungssicherheit GmbH AT

Centre Suisse d'Electronique et de Microtechnique CH

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INESCTEC
TECHNOLOGY & SCIENCE
ASSOCIATE LABORATORY
PORTUGAL

CAMPUS DA FEUP
R DR. ROBERTO FRIAS 378
4200 - 465 PORTO
PORTUGAL

T +351 222 094 000
F +351 222 094 050
www@inescporto.pt
www.inescporto.pt

