

principale obiettivo attuale del Progetto Speciale è quello di promuovere la formazione di una rete nazionale che possa produrre competenze e validi dati scientifici per la valutazione del rischio tossicologico.

Resoconto attività 2007

- Diffusione del documento “Sorveglianza della Esposizione a Interferenti Endocrini “ per la valutazione del rischio di IE negli alimenti, le popolazioni animali e la popolazione umana.
- Aggiornamento, nell’ambito dell’area tematica <http://www.iss.it/inte>, di EDID (*Endocrine Disrupters Diet Interactions Database*, la prima base di dati sui potenziali effetti modulatori dei componenti della dieta nei confronti degli effetti di IE e altri contaminanti (Mantovani e Baldi, 2008, Annali ISS, in corso di stampa).
- Messa punto di strategie sperimentali *in vitro* e *in vivo* per l’identificazione di marcatori precoci di effetto a IE (progetti EU-6th FP ReProTect, www.reprotect.eu, AQUAMAX, www.aquamaip.org e CASCADE, www.cascadenet.org).
- Contributo a studi epidemiologici sull’associazione fra indicatori di esposizione a IE e malformazioni; in tale ambito è emersa l’importanza di gran lunga maggiore dell’alimentazione rispetto all’inquinamento “ambientale”.
- Organizzazione del primo corso istituzionale sulla valutazione rischio-beneficio in sicurezza alimentare, mirato alla valutazione bilanciata, per le specifiche filiere alimentari, dei benefici nutrizionali a fronte dei potenziali rischi da IE e altri contaminanti (Maranghi *et al.*, Notiziario ISS, 2007).
- Messa a punto di marcatori per la valutazione dell’esposizione e del rischio associato alla presenza di elementi in traccia, identificati come IE emergenti e tuttora inadeguatamente caratterizzati.

Attività programmata 2008

In linea con le raccomandazioni del Gruppo di Lavoro sulla sorveglianza dell’esposizione a IE, le attività previste in ISS, nell’anno 2008, possono riassumersi come segue:

- Studi sperimentali integrati *in vitro/in vivo* per valutare gli effetti di IE potenziali contaminanti delle catene alimentari sullo sviluppo pre- e postnatale nonché per caratterizzare potenziali biomarcatori. A tale proposito verrà proseguito lo sviluppo di una rete di collaborazione con i Dipartimenti di Biologia cellulare e neuroscienze dell’ISS, le Università di Roma “Tor Vergata”, “La Sapienza” e III Università, nonché con il progetto EU AQUAMAX.
- Nell’ambito dello sviluppo di biotecnologie per la valutazione del rischio tossicologico, come richiesto dal programma RACH e dall’EFSA, studi per l’applicazione e validazione delle tecnologia RNAmicroarray e per l’applicazione delle tecnologie biosensoristiche in tossicologia in collaborazione con l’Università di Roma “La Sapienza”, il CNR e i progetti EU ReProTect e CASCADE.
- Elaborazione di modelli per l’analisi dell’esposizione umana a IE attraverso gli alimenti di origine animale, mediante lo sviluppo di: i) biomarcatori di esposizione totale (o “tossicità integrale”) nelle matrici alimentari; ii) sistemi per la raccolta e valutazione di dati tossicologici (anamnesi specifica, interpretazione dei dati) nell’ambito di indagini epidemiologiche.
- Sviluppo di strategie per la valutazione rischio-beneficio, in particolare per: i) alimenti potenzialmente critici di origine animale (latte e latticini, prodotti ittici) in collaborazione con il Centro di Collaborazione WHO/FAO per la Sanità Pubblica Veterinaria; ii)

interventi di prevenzione, quali la fortificazione degli alimenti con acido folico, in collaborazione con il Centro Nazionale Malattie Rare dell'ISS, anche attraverso l'organizzazione di corsi istituzionali e workshop.

- In collaborazione con il consorzio interuniversitario INBB, <http://www.inbb.it/>, nel 2008 verrà lanciato un censimento delle attività di ricerca sugli IE, con l'obiettivo di porre le basi per una piattaforma nazionale che coinvolga enti pubblici e privati.

PARTE 4
Elenco delle pubblicazioni

ARTICOLI DI RIVISTA

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