

Ongoing Endocrine Research: Sheet1

GOVERNMENT RESEARCH RELATED TO ENDOCRINE DISRUPTERS				ONGOING PROJECTS (May 2003)		
Sheet 1		ENVIRONMENTAL EXPOSURE				
DEPT PROJECT CODE	REF No.	TITLE OF PROJECT*	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
	EE/1	Priority Chemicals/ Exposure	DEFRA		Institute for Environment and Health	Mike Roberts
		*NB dioxins is taken to mean dioxins and furans				
		CONTACT POINTS				
		Geoff Brighty, Environment Agency: Tel: 01491 828543; e-mail: geoff.brighty@environment-agency.gov.uk				
		Caroline Fenwick, NERC; e-mail: cafe@nerc.ac.uk				
		Havard Prosser, National Assembly for Wales; Tel: 029 2082 3178; e-mail: havard.prosser@wales.gsi.gov.uk				
		Mike Roberts, DEFRA; Tel: 020 7944 5268; E-mail: mike.roberts@defra.gsi.gov.uk				

Ongoing Endocrine Research: Sheet2

GOVERNMENT RESEARCH RELATED TO ENDOCRINE DISRUPTERS			ONGOING PROJECTS (May 2003)			
Sheet 2		EXPOSURE FROM DIET				
DEPT PROJECT CODE	REF No.	TITLE OF PROJECT*	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
	ED/5a	The National Surveillance Scheme (NSS) for residues of veterinary residues in meat.	DEFRA-VMD; Industry cost	Rolling programme	Various contractors	
	ED/5b	Non-statutory surveillance for residues of veterinary residues in animal products.	DEFRA-VMD; Industry cost	Rolling programme	Various contractors	
FS2691	ED/6	Survey of dioxins and PCBs in cows' milk near industrial sites.	MAFF	April 1993 - June 1997 (Some additional follow-up)	Central Science Laboratory	Caroline Tahourdin
FS2649	ED/7	Survey of dioxins and PCBs in marine fish and dietary supplement fish oils - 1996	MAFF	April 1995 - Aug 1999 (Fish oil dietary supplement data reported in 1997)	Central Science Laboratory	Caroline Tahourdin
FS2671 (Now merged with CO2009 and CO2026)	ED/8	Survey of dioxins and PCBs in fats and oils for food production.	MAFF (Now FSA)	May 1997 - Ongoing	Central Science Laboratory	Caroline Tahourdin
FS2672 (Now CO2006)	ED/9	Determination of individual phthalate esters in retail samples of foods.	MAFF (Now FSA)	June 1996 - Ongoing	Central Science Laboratory	Caroline Tahourdin
FS2669 (Now CO2004)	ED/10	An investigation into the origin of specific phthalates in dairy products.	MAFF (Now FSA)	July 1996 - Ongoing	Leatherhead Food Research Association	Caroline Tahourdin
FS2689 (Now CO2008/CO2029)	ED/11	Survey of dioxins and PCBs in shellfish.	MAFF (Now FSA)	April 1997 - Ongoing	Central Science Laboratory	Caroline Tahourdin

Ongoing Endocrine Research: Sheet2

DEPT PROJECT CODE	REF No.	TITLE OF PROJECT*	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
FS2692 (Now CO2009/CO2026)	ED/12	Survey of dioxins and PCBs in infant formulae.	MAFF (Now FSA)	May 1997 - Ongoing	Central Science Laboratory	Caroline Tahourdin
	ED/17	Surveillance of food and feeding stuffs by the Working Party on Pesticide Residues.	DEFRA	Rolling programme	Various contractors	Mark Clook
CO1031	ED/25	Chemical contaminants in human milk: A pilot study towards establishing an archive of samples from the UK	FSA/ DH/ DETR/ HSE	Sep 2000 - Awaiting final report	University of Leeds	Caroline Tahourdin
FS21119 (Now CO1003)	ED/36	Assessment of total oestrogenic environmental contaminants in food with recombinant human receptor systems	MAFF (Now FSA)	April 1998 - Awaiting final report	Veterinary Laboratories Agency, Weybridge	Caroline Tahourdin
FS21127 (Now CO1010)	ED/44	Measuring the bioavailability of human dietary intake of dioxin-like compounds	MAFF (Now FSA)	Oct 1998 - Ongoing	Birmingham University	Caroline Tahourdin
99/B1/D/05240	ED/48	Oestrogenicity of dietary phytoestrogens in humans compared with oestrogen receptor (alpha/beta site recognition)	BBSRC	Oct 1999 - Sep 2002	King's College London	BBSRC OASIS Database
CO1012	ED/49	Measuring the bioavailability of human dietary intake of PAHs, phthalates and aromatic hydrocarbons	MAFF (Now FSA)	April 1999 - Awaiting final report	Birmingham University	Caroline Tahourdin
CO2013	ED/50	Surveys of dioxins and PCBs in fish oil dietary supplements	FSA	April 2000 - Ongoing	Central Science Laboratory	Caroline Tahourdin
TO6002	ED/51	Phytoestrogen dietary supplement survey	FSA	April 2000 - Ongoing (Final report)	Veterinary Laboratories Agency, Weybridge	Caroline Tahourdin
C02012	ED/52	Survey for dioxins and PCBs in retail fruit and vegetables	FSA	March 2001 - ongoing	Central Science Laboratory	Caroline Tahourdin

Ongoing Endocrine Research: Sheet2

DEPT PROJECT CODE	REF No.	TITLE OF PROJECT*	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
C01019	ED/54	Transmission and occurrence of persistent organic pollutants through the food chain - a literature review	FSA	Feb 2001 - Awaiting final report	WS Atkins Environment	Caroline Tahourdin
A03035	ED/58	Effects of storage, temperature damage and cooking on the migration of bisphenol A from can coatings	FSA	April 2002- Sept 2003	Pira International	Caroline Tahourdin
A03036	ED/59	Migration of bisphenol A from polycarbonate plastic food contact materials and articles	FSA	April 2002- Sept 2003	Pira International	Caroline Tahourdin
C02031	ED/60	Survey for dioxins and PCBs in 2001 Total Diet Study samples	FSA	March 2003- ongoing	Central Science Laboratory	Caroline Tahourdin
Co2038/CO2039	ED/61	Survey for dioxins and PCBs in infant formulae samples	FSA	March 2003- ongoing	Leatherhead Food International/Eurofins	Caroline Tahourdin
		*NB dioxins is taken to mean dioxins and furans				
		CONTACT POINTS				
		BBSRC Oasis database: http://dataserv.bbsrc.ac.uk/search.html				
		Mark Clook, Pesticides Safety Directorate; e-mail: m.clook@psd.defra.gsi.gov.uk				
		Caroline Tahourdin Food, Standards Agency (FSA) ; Tel: 020 7276 8520; e-mail: caroline.tahourdin@foodstandards.gsi.gov.uk				

Ongoing Endocrine Research: Sheet3

GOVERNMENT RESEARCH RELATED TO ENDOCRINE DISRUPTERS			ONGOING PROJECTS (May 2003)			
Sheet 3	TEST METHODS AND ANALYTICAL METHODOLOGY					
DEPT PROJECT CODE	REF No.	TITLE OF PROJECT*	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
FS2060 (Now TO5001)	TM/4	Synthesis of labelled and unlabelled isoflavonoid phytoestrogen standards.	MAFF (Now FSA)	May 1996 - Ongoing	St Andrews University	Caroline Tahourdin
FS21121 (Now CO1005)	TM/10	Development of analytical methodology and measurement of dietary exposure to alkylphenols (APs) and alkylphenol ethoxylates (APEs)	MAFF (Now FSA)	June 1998 - Ongoing	Central Science Laboratory	Caroline Tahourdin
	TM/17	Analysis of oestrone, oestradiol and ethynyl oestradiol - supervision of performance tests.	DWI/SCA/U KWIR	Oct 1998 - Ongoing	Laboratory of the Government Chemist, Teddington	Malcolm Morgan
	TM/18	Participation in a performance test for the analysis of oestrone, oestradiol and ethynyl oestradiol.	DWI/SCA/U KWIR	Nov 1998 - Ongoing	North West Water	Malcolm Morgan
	TM/19	Participation in a performance test for the analysis of oestrone, oestradiol and ethynyl oestradiol.	DWI/SCA/U KWIR	Nov 1998 - Ongoing	Hyder	Malcolm Morgan
	TM/20	Participation in a performance test for the analysis of oestrone, oestradiol and ethynyl oestradiol.	DWI/SCA/U KWIR	Nov 1998 - Ongoing	AES	Malcolm Morgan
	TM/21	Participation in a performance test for the analysis of oestrone, oestradiol and ethynyl oestradiol.	DWI/SCA/U KWIR	Nov 1998 - Ongoing	Horse Racing Forensic Science Service	Malcolm Morgan
JE412655	TM/23	Metabolite profiling by automated HPLC-MS	BBSRC	June 2000 - Dec 2002	University of Durham	BBSRC OASIS Database
JE514379	TM/25	Real-time quantitative PCR equipment for gene expression studies	BBSRC	April 2001 - March 2005	IFR - Norwich	BBSRC OASIS Database

Ongoing Endocrine Research: Sheet3

ECOTOXICOLOGY						
DEPT PROJECT CODE	REF No.	TITLE OF PROJECT	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
	EC/6	Development of the biological effect measure tool in fish	EA/ AstraZeneca	2000 - 2004	Exeter University, AstraZeneca	Rachel Benstead
00/A1/S/06027	EC/7	Swimming performance of fish in relation to accumulated biomarkers of pollution	BBSRC	Oct 2000 - Oct 2003	University of Birmingham	BBSRC OASIS Database
00/A4/S/06684	EC/8	Effects of chemicals on the expression of genes controlling reproduction in fish.	BBSRC	Oct 2000 - Sept 2003	University of Exeter	BBSRC OASIS Database
9/S15001	EC/9	Fish and chips: identifying and quantifying xenobiotic-induced alterations of gene expression in the brain and gonad.	BBSRC	April 2001 - March 2004	University of Exeter, University of Wales-Cardiff	BBSRC OASIS Database
	EC/10	The effects of endocrine disrupters on honeybee populations.	DEFRA	April 2001 - March 2004	CSL	Ingrid Meakin
	EC/11	Viellogenin and aromatase as markers of avian top predator exposure to oestrogens.	DEFRA	April 2001 - April 2003	CSL	Mike Roberts
	EC/12	Endocrine disruption in aquatic and terrestrial invertebrates	DEFRA	Aug 2001 - July 2004	WRc-NSF, University of Wales-Cardiff	Mike Roberts
01/A1/C/07022	EC/13	Fundamental mechanisms of endocrine disruption in animals	BBSRC	Oct 2001 - Sept 2004	University of Birmingham	BBSRC OASIS Database
		*NB dioxins is taken to mean dioxins and furans				
		CONTACT POINTS				
		BBSRC Oasis database: http://dataserv.bbsrc.ac.uk/search.html				
		Rachel Benstead, Environment Agency; e-mail: rachel.benstead@environment-agency.gov.uk				
		Geoff Brighty, Environment Agency: Tel: 01491 828543; e-mail: geoff.brighty@environment-agency.gov.uk				
		Caroline Fenwick, NERC; e-mail: cafe@nerc.ac.uk				

Ongoing Endocrine Research: Sheet3

		Ingrid Meakin, DEFRA; e-mail; ingrid.meakin@defra.gsi.gov.uk				
		Havard Prosser, National Assembly for Wales; Tel: 029 2082 3178; e-mail: havard.prosser@wales.gsi.gov.uk				
		Mike Roberts, DEFRA; Tel: 020 7944 5268; E-mail: mike.roberts@defra.gsi.gov.uk				
		Caroline Tahourdin, Food Standards Agency (FSA); Tel: 020 7276 8520; e-mail: caroline.tahourdin@foodstandards.gsi.gov.uk				
		Sara Wassell, Health and Safety Executive; e- mail: sara.wassell@hse.gsi.gov.uk				
		Malcolm Morgan, Drinking Water Inspectorate;				
		e-mail: malcom.morgan@defra.gsi.gov.uk				

Ongoing Endocrine Research: Sheet4

GOVERNMENT RESEARCH RELATED TO ENDOCRINE DISRUPTERS				ONGOING PROJECTS (May 2003)		
Sheet 4		AQUATIC-MARINE				
DEPT PROJECT CODE	REF No.	TITLE OF PROJECT	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
	AM/5a	Marine Mammals Strandings Investigation - England and Wales	DEFRA, WO	1990 -	Institute of Zoology London, Natural History Museum, CEFAS Burnham	
	AM/5b	Scottish Marine Mammals Strandings Investigation	DEFRA	1992 -	Scottish Agricultural College.	
	AM/15	Testing leach rates of booster biocides	HSE			Jane Howcroft
A0816	AM/18	The significance of offshore chemicals as endocrine disrupters in fish	DEFRA	April 2000 - 2003	CEFAS	Paul Leonard
S13837	AM/21	Function and expression of hyperglycaemic hormone from gut endocrine cells of crabs: new models of moult control.	BBSRC	Sept 2000 - Sept 2003	University of Wales-Bangor	BBSRC OASIS Database
S13882	AM/22	Identification of novel targets of methyl farnesoate action in the regulation of crustacean reproductive performance.	BBSRC	Oct 2000 - Oct 2003	University of Liverpool	BBSRC OASIS Database
	AM/25	Development and application of non-destructive biomarkers to monitor exposure to endocrine disrupting chemicals and their subsequent effects on reproductive success in UK seal and otter populations.	DEFRA	Feb 2001 - March 2003	Kingston University, Essex University	Mike Roberts
AE1140	AM/26	Investigations into the Biochemical and Reproductive Effects of Endocrine Disrupters in Fish (BREEDIF)	DEFRA		CEFAS	Paul Leonard
AE1146	AM/27	Measurement of Endocrine Disruption in Fish and Mussels	DEFRA		CEFAS	Paul Leonard

Ongoing Endocrine Research: Sheet4

AQUATIC FRESHWATER						
DEPT PROJECT CODE	REF No.	TITLE OF PROJECT*	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
	AF/11	Fate and behaviour of oestrogenic steroids in UK rivers - phase 2: field monitoring and modelling.	DEFRA/ EA	1999 - 2008	IEH	Danielle Ashton
	AF/12	Assessment of sensitive windows of development in fish.	EA/ DEFRA/ UKWIR/ AW/ESW	2001 - 2004	Exeter University	Geoff Brighty
	AF/13	A search for evidence of endocrine disruption of reproduction in top predator fish.	DEFRA	Aug 2001 - Dec 2003	Brunel University, Exeter University	Mike Roberts
	AF14	Assessment of the reproductive and developmental consequences of exposure of freshwater molluscs to EDCs in sewage effluents and in receiving waters.	NERC	Apr 2002 - Mar 2005	Brunel University	Caroline Fenwick
	AF1/15	Identification of the mechanisms of disruption of sexual differentiation in fish exposed to EDCs and their mixtures: a transcriptome approach	NERC	Apr 2003 - Mar 2006	Exeter University	Caroline Fenwick
		*NB dioxins is taken to mean dioxins and furans				

Ongoing Endocrine Research: Sheet4

		CONTACT POINTS				
		Danielle Ashton, Environment Agency (EA): e-mail: danielle.ashton@environment-agency.gov.uk				
		BBSRC Oasis database: http://dataserv.bbsrc.ac.uk/search.html				
		Geoff Brighty, Environment Agency: Tel: 01491 828543; e-mail: geoff.brighty@environment-agency.gov.uk				
		Andy Croxford, Environment Agency: e-mail: andy.croxford@environment-agency.gov.uk				
		Richard Emmerson, DEFRA; e-mail: richard.emmerson@defra.gsi.gov.uk				
		John Farren, DoENI; e-mail: john.farren@doeni.gov.uk				
		Caroline Fenwick, NERC; e-mail: cafe@nerc.ac.uk				
		Jane Howcroft, Health and Safety Executive; e-mail: jane.howcroft@hse.gsi.gov.uk				
		Carole Kelly, DEFRA; e-mail: carole.kelly@defra.gsi.gov.uk				
		Paul Leonard, DEFRA; Tel: 020 7238 1583; e-mail: paul.leonard@defra.gsi.gov.uk				
		Ken Pugh, SEPA; Tel: 01224 424635; e-mail: ken.pugh@sepa.org.uk				
		Mike Roberts, DEFRA; Tel: 020 7944 5268; E-mail: mike.roberts@defra.gsi.gov.uk				

Ongoing Endocrine Research: Sheet5

GOVERNMENT RESEARCH RELATED TO ENDOCRINE DISRUPTERS				ONGOING PROJECTS (May 2003)		
Sheet 5		HUMAN HEALTH				
DEPT PROJECT CODE	REF No.	TITLE OF PROJECT	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
	HH/1a	Male reproductive health 1 - UK multicentre study of occupational chemicals and male fertility.	DEFRA, DH, HSE, CEFIC/EMSG	July 1998 -	University of Manchester, University of Sheffield	Michael Waring
	HH/1b	Male reproductive health 2 - Historically perspective cohort study of Scottish male reproductive health.	DEFRA, DH, HSE, CEFIC/EMSG	July 1998 -	MRC Reproductive Unit, Edinburgh	Michael Waring
	HH/1c	Male reproductive health 3 - Environmental risk factors for hypospadias, a population based control study in 3 health regions.	DEFRA, DH, HSE, CEFIC/EMSG	July 1998 -	Imperial College, London	Michael Waring
	HH/1d	Male reproductive health 4 - An assessment and analysis of existing surveillance data on hypospadias in UK and Europe.	DEFRA, DH, HSE, CEFIC/EMSG	July 1998 -	London School of Hygiene and Tropical Medicine	Michael Waring
	HH/6	Exposure of breast feeding mothers at work to chemicals, particularly lead (ALSPAC).	HSE			Sara Wassell
9810682	HH/16	The role of oestrogen in neural development in the hypothalamus	BBSRC	March 1999 - Aug 2002	University of Nottingham	BBSRC OASIS Database
S15887	HH/17	The role of the nuclear receptor cofactor NRIP140 in male fertility	BBSRC	Feb 2002 - Feb 2005	King's College London	BBSRC OASIS Database
S15893	HH/18	The role of the nuclear receptor cofactor NRIP1 in male fertility	BBSRC	Feb 2002 - Feb 2005	Imperial College of Science, Technology and Medicine	BBSRC OASIS Database
99/A4/S/05786	HH/19	Characterisation of rapid, non-genomic actions of oestrogens in the neuroendocrine system	BBSRC	Oct 1999 - Oct 2002	University of Oxford	BBSRC OASIS Database
01/B1/S/07365	HH/20	Oestrogenic regulation of male reproductive development	BBSRC	Oct 2001 - Sep 2004	University of Nottingham	BBSRC OASIS Database

Ongoing Endocrine Research: Sheet5

METABOLISM AND HUMAN HEALTH - (PHYTOESTROGEN STUDIES)						
DEPT PROJECT	REF No.	TITLE OF PROJECT	FUNDERS	DURATION	RESEARCH LOCATION	SPONSOR CONTACT
FS2087 (Now TO5011)	HP/11	Influence of human gut microflora on dietary soya isoflavone phytoestrogen availability in adults and children	MAFF (Now FSA)	Oct 1998 - Ongoing	Department of Nutrition, King's College London	Caroline Tahourdin
	HP/16	Examination of the impact of phytoestrogens on oestradiol receptors and disease.	MRC	April 2000 - March 2005	Dunn Human Nutrition Unit	Caroline Tahourdin
T05014	HP/18	The effect of phytoestrogen ingestion on menopausal women	MAFF (Now FSA)	March 2000 - Ongoing	University of Manchester	Caroline Tahourdin
T05015	HP/19	Diet, phytoestrogen and gene nutrient interactions in relation to cancer: a prospective study	FSA	April 2000 - Ongoing	MRC-Dunn Nutrition Centre	Caroline Tahourdin
T05016	HP/20	Genomics microassays and transgenic reporter mice in the study of phytoestrogenic effects on oestrogen receptor mediated gene transcription	FSA	April 2000 - Ongoing	Zeneca-CTL	Caroline Tahourdin
T05018	HP/21	Concensus review of the Food Standards Agency phytoestrogens programme	FSA	April 2000 - Feb 2001	Ashwell Associates	Caroline Tahourdin
CIM14122	HP/22	Phytochemical library from British plants	BBSRC	Nov 2001 - Nov 2003	Institute of Grassland and Environmental Research	BBSRC OASIS Database
01/A4/D/07744	HP/23	Effects of physiologically relevant levels of phytochemicals on human health	BBSRC	Oct 2001 - Sep 2004	University of East Anglia and Institute of Food Research	BBSRC OASIS Database
		CONTACT POINTS				
		BBSRC Oasis database: http://dataserv.bbsrc.ac.uk/search.html				
		Kath Cameron DEFRA: Tel: 020 7944 5272; e-mail: kath.cameron@defra.gsi.gov.uk				
		Caroline Tahourdin Food Standards Agency; Tel: 020 7276 8520; e-mail: caroline.tahourdin@foodstandards.gsi.gov.uk				
		Michael Waring, Department of Health				
		Sara Wassell Health and Safety Executive; e-mail: sara.wassell@hse.gsi.gov.uk				