



# Publications scientifiques issues des travaux soutenus par le PNRPE

Avril 2010



## **Fipronil et retardeurs de flamme polybromés : exposition et altération des fonctions thyroïdienne et corticosurrénalienne**

Catherine Viguié – CEMAGREF Lyon

[Is the mechanisms of fipronil-induced thyroid disruption specific of the rat: Re-evaluation of fipronil thyroid toxicity in sheep?](#)

Leghait J, Gayrard V, Toutain PL, Picard-Hagen N, Viguié C.

Toxicol Lett. 2010 May 4;194(3):51-7. Epub 2010 Feb 1. PMID: 20117195 [PubMed - in process]

[Phenylpyrazole insecticides induce cytotoxicity by altering mechanisms involved in cellular energy supply in the human epithelial cell model Caco-2.](#)

Vidau C, Brunet JL, Badiou A, Belzunces LP.

Toxicol In Vitro. 2009 Jun;23(4):589-97. Epub 2009 Feb 6. PMID: 19490841 [PubMed - indexed for MEDLINE]

[Disposition and metabolic profiling of \[14C\]-decabromodiphenyl ether in pregnant Wistar rats.](#)

Riu A, Cravedi JP, Debrauwer L, Garcia A, Canlet C, Jouanin I, Zalko D.

Environ Int. 2008 Apr;34(3):318-29. Epub 2007 May 3. PMID: 17481732 [PubMed - indexed for MEDLINE]

[Development and validation of a method for fipronil residue determination in ovine plasma using 96-well plate solid-phase extraction and gas chromatography-tandem mass spectrometry.](#)

Bichon E, Richard CA, Le Bizec B.

J Chromatogr A. 2008 Aug 1;1201(1):91-9. Epub 2008 Jun 21. PMID: 18602111 [PubMed - indexed for MEDLINE]

## **Développement d'un test physiologique "in vitro" rapide sur embryons amphibiens pour mesurer les effets de perturbations thyroïdiennes**

Demeneix Barbara – INSERM/Univ. Rennes 1

[An in vivo multiwell-based fluorescent screen for monitoring vertebrate thyroid hormone disruption.](#)

Fini JB, Le Mevel S, Turque N, Palmier K, Zalko D, Cravedi JP, Demeneix BA.

Environ Sci Technol. 2007 Aug 15;41(16):5908-14.PMID: 17874805 [PubMed - indexed for MEDLINE]

# **Evaluation des effets endocrines des œstrogènes mimétiques et des composés à activité dioxine sur l'expression de gènes cibles et impacts fonctionnels sur la reproduction chez le poisson**

François Brion – IRCM / INSERM Montpellier

[Characterization of a cis-acting element involved in cell-specific expression of the zebrafish brain aromatase gene.](#)

Le Page Y, Menuet A, Kah O, Pakdel F.

Mol Reprod Dev. 2008 Oct;75(10):1549-57.PMID: 18288647 [PubMed - indexed for MEDLINE]

[Expression of zebra fish aromatase cyp19a and cyp19b genes in response to the ligands of estrogen receptor and aryl hydrocarbon receptor.](#)

Cheshenko K, Brion F, Le Page Y, Hinfray N, Pakdel F, Kah O, Segner H, Eggen RI.

Toxicol Sci. 2007 Apr;96(2):255-67. Epub 2007 Jan 18.PMID: 17234648 [PubMed - indexed for MEDLINE]

[Characterization of a cis-acting element involved in cell-specific expression of the zebrafish brain aromatase gene.](#)

Le Page Y, Menuet A, Kah O, Pakdel F.

Mol Reprod Dev. 2008 Oct;75(10):1549-57.PMID: 18288647 [PubMed - indexed for MEDLINE]

## **Expositions gestationnelles et postnatales à la génistéine et à la vinclozoline, seules et en association, à des doses compatibles avec l'exposition alimentaire humaine chez le rongeur**

Jacques Auger – INRA Dijon

[Male fetal germ cells are targets for androgens that physiologically inhibit their proliferation.](#)

Merlet J, Racine C, Moreau E, Moreno SG, Habert R.

Proc Natl Acad Sci U S A. 2007 Feb 27;104(9):3615-20. Epub 2007 Feb 21. PMID: 17360691 [PubMed - indexed for MEDLINE]

[Development of fetal testicular cells in androgen receptor deficient mice.](#)

Merlet J, Moreau E, Habert R, Racine C.

Cell Cycle. 2007 Sep 15;6(18):2258-62. Epub 2007 Jun 28. PMID: 17890904 [PubMed - indexed for MEDLINE]

[Chronic dietary exposure to a low-dose mixture of genistein and vinclozolin modifies the reproductive axis, testis transcriptome, and fertility.](#)

Eustache F, Mondon F, Canivenc-Lavier MC, Lesaffre C, Fulla Y, Berges R, Cravedi JP, Vaiman D, Auger J.

Environ Health Perspect. 2009 Aug;117(8):1272-9. Epub 2009 Apr 1. PMID: 19672408 [PubMed - indexed for MEDLINE]

[Soy, phyto-oestrogens and male reproductive function: a review.](#)

Cederroth CR, Auger J, Zimmermann C, Eustache F, Nef S.

Int J Androl. 2009 Nov 16. [Epub ahead of print] PMID: 19919579 [PubMed - as supplied by publisher]

## **Evaluation de l'impact des perturbateurs endocriniens sur les milieux aquatiques (SURVAQUA)**

Jean-Marc Porcher – CTIS

[Biological indices, energy reserves, steroid hormones and sexual maturity in the infaunal bivalve \*Scrobicularia plana\* from three sites differing by their level of contamination.](#)

Mouneyrac C, Linot S, Amiard JC, Amiard-Triquet C, Métais I, Durou C, Minier C, Pellerin J.

Gen Comp Endocrinol. 2008 Jun;157(2):133-41. Epub 2008 Apr 26. PMID: 18511050 [PubMed - indexed for MEDLINE]

[Development of biomarkers of stress related to endocrine disruption in gastropods: alkali-labile phosphates, protein-bound lipids and vitellogenin-like proteins.](#)

Gagnaire B, Gagné F, André C, Blaise C, Abbaci K, Budzinski H, Dévier MH, Garric J.

Aquat Toxicol. 2009 May 5;92(3):155-67. Epub 2009 Feb 10. PMID: 19269698 [PubMed - indexed for MEDLINE]

[Impact of Urban Wastewater Discharges on the Sediments of a Small Mediterranean River and Associated Coastal Environment: Assessment of Estrogenic and Dioxin-like Activities.](#)

David A, Gomez E, Aït-Aïssa S, Rosain D, Casellas C, Fenet H.

Arch Environ Contam Toxicol. 2010 Feb 17. [Epub ahead of print] PMID: 20162265 [PubMed - as supplied by publisher]

[Endocrine disruption in wild populations of chub \(\*Leuciscus cephalus\*\) in contaminated French streams.](#)

Hinfray N, Palluel O, Piccini B, Sanchez W, Aït-Aïssa S, Noury P, Gomez E, Geraudie P, Minier C, Brion F, Porcher JM.

Sci Total Environ. 2010 Apr 1;408(9):2146-54. Epub 2010 Feb 8. PMID: 20116833 [PubMed - in process]

## **Impact des expositions au chlordécone sur le développement intra-utérin et postnatal**

Luc Multigner – Hôpital Saint-Antoine

[Pesticide exposure of pregnant women in Guadeloupe: ability of a food frequency questionnaire to estimate blood concentration of chlordecone.](#)

Guldner L, Multigner L, Héraud F, Monfort C, Thomé JP, Giusti A, Kadhel P, Cordier S.

Environ Res. 2010 Feb;110(2):146-51. Epub 2009 Dec 8. PMID: 20003965 [PubMed - indexed for MEDLINE]

**Modulateurs environnementaux de l'activité de l'hétérodimère RXR-PPAR gamma. Etude de leur mécanisme d'action en lien avec les effets endocrines, de leur métabolisme et de leur présence dans des matrices environnementales et alimentaires**

Patrick Balaguer – INRA Montpellier

[Peroxisome Proliferator-Activated Receptor  \$\gamma\$  is a Target for Halogenated Analogues of Bisphenol-A.](#)

Riu A, Grimaldi M, le Maire A, Bey G, Phillips K, Boulahtouf A, Perdu E, Zalko D, Bourguet W, Balaguer P.

Environ Health Perspect. 2011 May 11. PMID: 21561829 [PubMed - as supplied by publisher]