

# BIOGRAPHY

27/06/2012



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**Title and name**

Dr. Daniel Pickford

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**Nationality**

British

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**Panel**

Plant Protection Products and Their Residues (PPR)

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**Education**

Ph.D (Animal Biology) 1999, University of Manchester, UK  
Master of Science (Zoology) 1995, University of Florida, USA  
BSc Hons (Genetics) 1990, University of Nottingham, UK

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**Scientific and risk assessment experience**

- Research in reproductive endocrinology, particularly with lower vertebrates (eg fish, amphibian, reptiles), ecotoxicology and endocrine disruption
  - Regulatory studies (GLP) and hazard characterisation
  - Ecotoxicology and ecological risk assessment
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**Main scientific publications**

Publications in amphibian ecotoxicology and endocrine disruption

Pickford DB (2010) Screening chemicals for thyroid-disrupting activity: a critical comparison of mammalian and amphibian models. *Critical Reviews in Toxicology* 40(10):845-892

Hutchinson TH, Shillabeer N, Winter MJ and Pickford DB (2006) Acute and Chronic Effects of Carrier Solvents in Aquatic Organisms: a Critical Review *Aquatic Toxicology* 76(1):69-92

Crane HM, Pickford DB, Hutchinson TH and Brown JA (2006) Effects of methimazole on development of the fathead minnow, *Pimephales promelas* from embryo to adult *Toxicological Sciences* 93(2): 278-285

Crane HM, Pickford DB, Hutchinson TH and Brown JA (2005) Effects of ammonium perchlorate on thyroid function in developing fathead minnows, *Pimephales promelas* *Environmental Health Perspectives* 113(4): 396-401

Opitz R, Braunbeck T, Bögi C, Pickford DB, Nentwig G, Oehlmann J, Tooi O, Lutz I and Kloas K (2005) Description and Initial Evaluation of a *Xenopus* Metamorphosis Assay (XEMA) for Detection of Thyroid System-Disrupting Activities of Environmental Compounds. *Environmental Toxicology and Chemistry* 24(3): 653-664

Snape JR, Pickford DB, Maund SJ, Hutchinson TH. (2004) Ecotoxicogenomics: The Challenge of integrating novel genome science into the future ecological risk assessment of chemicals. *Aquatic Toxicology* 67(2):143-154

Pickford DB, Hetheridge MJ, Caunter JE, Hall AT, Hutchinson TH (2003) Assessing chronic toxicity of Bisphenol A to larvae of the African Clawed Frog (*Xenopus laevis*) in a flow-through exposure system. *Chemosphere* 53(3):223-235

Pickford DB and Morris ID. (2003) Inhibition of gonadotropin-induced oviposition and ovarian steroidogenesis in the African Clawed frog (*Xenopus laevis*) by the pesticide methoxychlor. *Aquatic Toxicology* 62(3):179-194

Hutchinson TH and Pickford DB (2002) Ecological risk assessment and testing for endocrine disruption in the aquatic environment. *Toxicology* 181:182:383 – 387

Pickford DB and Morris ID (1999) Effects of endocrine-disrupting contaminants on amphibian oogenesis: methoxychlor inhibits progesterone-induced maturation of *Xenopus laevis* oocytes in vitro. *Environmental Health Perspectives* 107(4): 285-292

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