

# BIOGRAPHY

06/05/2010



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**Title and name**

Dr Iona Pratt

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**Nationality**

Irish

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**Panel**

CEF - Food contact materials, enzymes, flavourings and processing aids.

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**Education**

PhD, 1969, Trinity College Dublin, Ireland

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**Scientific and risk assessment experience**

Senior toxicologist and risk assessor with experience as

- a histopathologist in an industrial toxicology laboratory;
  - a lecturer and researcher in toxicology
  - a regulatory toxicologist in the areas of risk assessment of hazardous chemicals in food and also assessment of hazardous chemicals under the EC legislation on classification, risk assessment and chemicals notification, also in the setting of workplace exposure standards
  - Member of a number of expert scientific committees involved in risk assessment
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**Main scientific publications**

Main publication areas are in mechanistic toxicology, particularly correlation of biochemical and histopathological changes in target tissues in response to toxic chemicals, and risk assessment.

1. Anderson W.A., Pratt I., Ryan M.R. and Flynn A. (2004). A probabilistic estimation of fluoride intake by infants up to the age of 4 months from infant formula reconstituted with tap water in the fluoridated regions in Ireland. *Caries Res.* 38: 421-429.

2. Pratt, Iona and Barron, Thomasina (2003). Regulatory recognition of indirect genotoxicity mechanisms in the European Union. *Toxicology Letters* 140 – 141, 53 – 62.

Pratt, Iona (2002). Global harmonisation of classification and labelling of hazardous chemicals. *Toxicology Letters* 128 (1-3), 5 – 15.

3. Pratt, Iona, (2000). Professional opportunities for Toxicologists: the requirements of the public sector for education/teaching. *Toxicology Letters* 112-113, 379-382

4. Deegan, P.M., Pratt, I., Ryan, M. P., (1994). The nephrotoxicity, cytotoxicity and renal handling of a cisplatin-methionine complex in male Wistar rats. *Toxicology* 89, 1 – 14

5. Pratt, I., Lock, E.A. (1988). Deacetylation and further metabolism of the mercapturic acid of hexachloro-1,3-butadiene by rat kidney cytosol in vitro. *Arch. Toxicol.* 62, 341 - 345.

7. Pratt, Iona, (1987) Pulmonary Diseases, chapter in *Subcellular Pathology of Systemic Diseases* (ed. T.J. Peters), Chapman & Hall Medical, London, 321 – 346

8. Rush, G. F., Pratt, I. S., Lock E.A. and Hook, J.B. (1986). Induction of renal mixed function oxidases in the rat and mouse: correlation with ultrastructural changes in the proximal tubule. *Fund. Appl. Toxicol.*, 6, 307 – 316.
  9. Elcombe, C., Rose, M., Pratt, I. (1985). Biochemical, histological and ultrastructural changes in rat and mouse liver following administration of trichloroethylene: possible relevance to species difference in hepatocarcinogenicity. *Toxicol. Appl. Pharmacol.* 79, 365 – 376.
  10. Pratt, I.S., Lock E.A., Hook, J.B., Rush, G. F. (1985). Effect of the monooxygenase inducers polybrominated biphenyl and  $\beta$ -naphthoflavone on renal morphology and biochemistry in rats and mice. In "Renal Heterogeneity and Target Organ Toxicity" (eds. Bach and Lock), John Wiley and Sons, Chichester, UK
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