

## Accepted Manuscript

Title: Dietary exposure *in utero* and during lactation to a mixture of genistein and an anti-androgen fungicide in a rat mammary carcinogenesis model

Author: P Phrakonkham J P Brouland H El Sheikh Saad R Bergès C Pimpie M Pocard M C Canivenc-Lavier Perrot-Appianat



PII: S0890-6238(14)00101-4  
DOI: <http://dx.doi.org/doi:10.1016/j.reprotox.2014.05.016>  
Reference: RTX 6971

To appear in: *Reproductive Toxicology*

Received date: 6-12-2013  
Revised date: 20-5-2014  
Accepted date: 29-5-2014

Please cite this article as: Dietary exposure *in utero* and during lactation to a mixture of genistein and an anti-androgen fungicide in a rat mammary carcinogenesis model., *Reproductive Toxicology* (2014), <http://dx.doi.org/10.1016/j.reprotox.2014.05.016>

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1 **Dietary exposure *in utero* and during lactation to a mixture of genistein and**  
2 **an anti-androgen fungicide in a rat mammary carcinogenesis model.**

3 **P Phrakonkham** \*<sup>1-2</sup>, **J P Brouland** \*<sup>3-5</sup>, **H El Sheikh Saad** <sup>3-4</sup>, **R Bergès** <sup>1-2</sup>, **C Pimpie** <sup>3-4</sup>, **M**  
4 **Pocard** <sup>3-4</sup>, **M C Canivenc-Lavier**<sup>1-2</sup> and **Perrot-Applanat** <sup>3-4</sup>

5 <sup>1</sup>INRA UMR1324, Centre des Sciences du Gout et de l'Alimentation, F-21000 Dijon, France ;  
6 <sup>2</sup>Université de Bourgogne, Dijon, France ; <sup>3</sup>INSERM U965, Hôpital Lariboisière, F-75475  
7 Paris ; <sup>4</sup>Université Paris 7, F-75475 Paris, France ; <sup>5</sup>Service d'Anatomopathologie, Hôpital  
8 Lariboisière; F-75475 Paris.

9 \* P Phrakonkham and JP Brouland equally contributed to the work

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12 **Correspondance to:**

13 *Dr M. Perrot-Applanat INSERM U965*

14 *Hôpital Lariboisière, batiment Viggo Petersen*

15 *41 Bd de la chapelle*

16 *75475 Paris Cedex 10, France*

17 *Phone (33)6 65 39 64 28*

18 *Fax: (33) 1-53-72-40-29*

19 *E-mail: [martine.applanat@inserm.fr](mailto:martine.applanat@inserm.fr)*

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21 **Short running title:** Mammary gland carcinogenesis with EDC mixture

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23 **Keywords:** Endocrine disruption, mammary gland carcinogenesis, phytoestrogen, anti-  
24 androgen, gestational and lactational exposure.

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26 The authors declare they have no competing financial interest.

27

28 **Liste of abbreviations**

29 AR: androgen receptor; BPA: bisphenol A; DCIS, ductal in situ carcinoma; EDC: endocrine  
30 disrupting compounds; E2: estradiol ; ER: estrogen receptor; ER $\alpha$ : estrogen receptor alpha; G:  
31 Genistein; GV: Genistein + Vinclozolin; PND: postnatal day; PR, progesterone receptor;  
32 TCDD: 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin; TEB, terminal end bud; V: Vinclozolin.

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