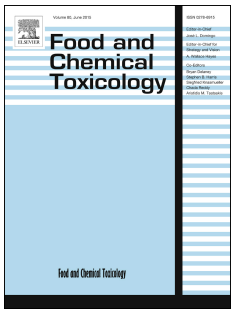
Accepted Manuscript



Assessment of mutagenic, recombinogenic and carcinogenic potential of titanium dioxide nanocristals in somatic cells of *Drosophila melanogaster*

Maria Paula Carvalho Naves, Cássio Resende de Morais, Anielle Christine Almeida Silva, Noelio Oliveira Dantas, Mário Antônio Spanó, Alexandre Azenha Alves de Rezende

PII: S0278-6915(17)30782-2

DOI: 10.1016/j.fct.2017.12.040

Reference: FCT 9485

To appear in: *Food and Chemical Toxicology*

Received Date: 21 July 2017

Revised Date: 12 December 2017

Accepted Date: 20 December 2017

Please cite this article as: Carvalho Naves, M.P., de Morais, Cá.Resende., Silva, A.C.A., Dantas, N.O., Spanó, Má.Antô., de Rezende, A.A.A., Assessment of mutagenic, recombinogenic and carcinogenic potential of titanium dioxide nanocristals in somatic cells of *Drosophila melanogaster*, *Food and Chemical Toxicology* (2018), doi: 10.1016/j.fct.2017.12.040.

Assessment of mutagenic, recombinogenic and carcinogenic potential of titanium dioxide nanocristals in somatic cells of *Drosophila melanogaster*

Maria Paula Carvalho Naves[1]; Cássio Resende de Morais[1]; Anielle Christine Almeida Silva[2]; Noelio Oliveira Dantas[2]; Mário Antônio Spanó[1]; Alexandre Azenha Alves de Rezende[1,3]

[1]Institute of Genetics and Biochemistry, Federal University of Uberlândia, *Campus* Umuarama, 38400-902, Uberlândia, Minas Gerais, Brazil.

[2]Laboratory of New Insulating Materials and Semiconductors (LNMIS), Institute of Physics, Federal University of Uberlândia, CP 593, 38400-902, Uberlândia, Minas Gerais, Brazil.

[3]Faculty of Integrated Science of Pontal, Federal University of Uberlândia, *Campus* Pontal, 38304-402, Ituiutaba, Minas Gerais, Brazil.

Correspondence should be sent to:

Alexandre Azenha Alves de Rezende: azenha@ufu.br