

CORRIGENDUM

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Alterations in gene expression during sexual differentiation in androgen receptor knockout mice induced by environmental endocrine disruptors

DEHONG LIU, LIPING SHEN, YONGLIN TAO, YING KUANG, LEI CAI, DAN WANG, MEIDUO HE, XUEBO TONG, SHUGUANG ZHOU, JIE SUN, CHENCHEN SHI, CHUNXIAO WANG and YI WU

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Following the publication of the above article, an interested reader drew to our attention a number of issues and concerns related to the descriptions of the genes and mouse models in the above paper. After having consulted with the authors, they have acknowledged that their paper did indeed contain a number of errors, and these are listed below in this Corrigendum.

First, the authors realized that an incorrect figure was included as Fig. 1 in the paper. The correct (and entirely different) version of Fig. 1, together with its figure legend, is shown opposite.

The following textual errors in the paper should also be noted:

i) In the **Abstract**, lines 3-4 in the left-hand column (LHC): “androgen receptor (AR)^{-/-}, AR^{+/-} and AR^{+/+} male mice” should have been written as “androgen receptor (AR) conditional knockout mice”; line 5 in the LHC: “flox-AR” should have been written as “AR^{flox/+}”; line 6 in the LHC: “AR-Cre” should have been written as “Amhr2-Cre”; line 22 in the LHC: “AR^{+/-}” should have been written as “AR^{flox/Y}”; line 1 in the right-hand column (RHC): “heterozygous” should have been written as “AR^{flox/Y}”; and line 2 in the RHC, “heterozygous” should have been written as “AR^{flox/Y} Cre⁺”.

ii) In the **Introduction**, paragraph 3, lines 6-7 in the LHC: “or female ARKO mice” should have been deleted; paragraph 4, line 5 in the LHC: “AR^{-/-}”, “AR^{+/-}” and “AR^{+/+}” should have been deleted; paragraph 4, line 11 in the LHC: “AR^{-/-}”, and “AR^{+/-}” should have been written as “AR^{/Y}”, whereas “AR^{+/+}” should have been written as “AR^{+/Y}”.

iii) In the **Materials and methods**, paragraph 3, the last sentence in the RHC {“The identification of the plasmid containing leydig cells expressing Cre recombinant enzyme and the specificity of the genetically modified (gm) sequence [Amhr2-Cre (7.1)] are shown in Fig. 1} should have been written as “The positive clones were identified by digestion and sequencing.”

iv) In the **Results**, the first subheading in the RHC (“...transgenic mouse model (Amhr2-Cre)”) should have been written as “...AR conditional knockout targeting vector”; paragraph 1, lines 1-3 in the RHC: The sentence “The AR gene condition knockout plasmid was identified and confirmed by enzyme digestion with *Bam*HI” should have been written as “The AR gene conditional knockout strategy is shown in Fig. 1. The gene targeting vector was identified and confirmed by enzyme digestion with *Bam*HI”; paragraph 1, line 4 in the

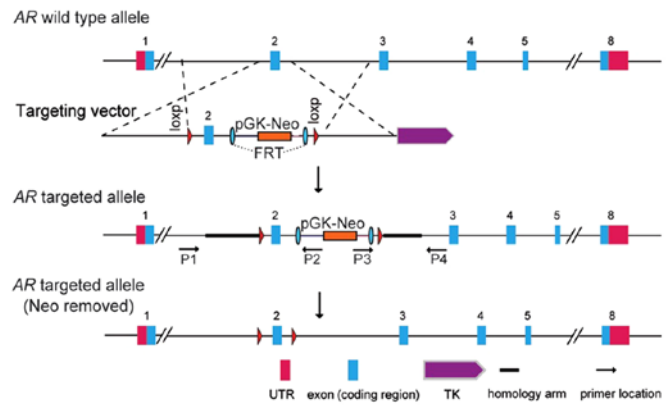


Figure 1. Schematic diagram of the strategy of AR conditional knockout mouse model development.

RHC: “2.7 kb” should have been written as “7.8 kb”; Table III, in the title and in the Table heading, “AR^{+/-}” should have been written as “AR^{+/Y}”, and “AR^{-/-}” should have been written as “AR^{/Y}”; in the subheading “Comparison between AR^{-/-} male mice and normal mice”, “AR^{-/-}” should have been written as “AR^{/Y}”, and “normal” should have been written as “AR^{+/Y}”; and paragraph 4, lines 3-5 in the LHC: “AR^{+/-}” should have been written as “AR^{+/Y}”, and “AR^{-/-}” should have been written as “AR^{/Y}”.

All the authors thank the interested reader for drawing these matters to their attention, and agree to the contents of this Corrigendum. The authors also stress that these errors did not significantly influence either the results or the conclusions of the paper. Furthermore, the authors apologize to the Editor of *International Journal of Molecular Medicine* and to the readership for any inconvenience caused.



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