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*CORRESPONDENCE Jérôme Le Nours Øjerome.lenours@monash.edu

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Corrigendum: State of play in the molecular presentation and recognition of anti-tumor lipid-based analogues

T. Praveena and Jérôme Le Nours*

Infection and Immunity Program and Department of Biochemistry and Molecular Biology, Biomedicine Discovery Institute, Monash University, Clayton, VIC, Australia

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A Corrigendum on

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In the published article, there was an error in Figure 2 as published. In Figure 2B, the annotations for the last two ternary structures (last 2 panels) were inverted, namely, (iNKT TCR-mCD1d-PyrC- α -GalCer - PDB code: 4IRS) and (iNKT TCR-mCD1d-EF77 - PDB code: 4Y4K) were inadvertently swapped. The corrected Figure 2 and its caption appear below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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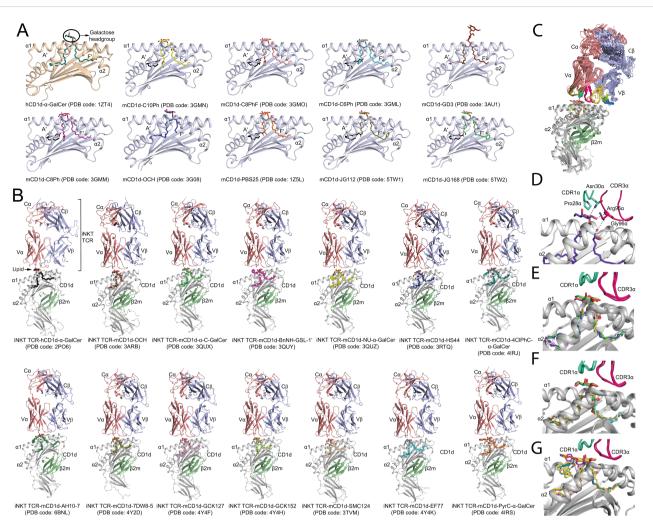


FIGURE 2

Molecular insights into the presentation and recognition of α -GalCer analogues. (A) Cartoon representation of the binding groove of CD1d presenting α -GalCer and modified α -GalCer. The PDB code for each binary complex crystal structure is indicated. The $\alpha 1/\alpha 2$ domain forming the hydrophobic binding groove (A'- and F'-pockets) of human CD1d (hCD1d) and mouse CD1d (mCD1d) are shown as cartoon representation in wheat and light blue, respectively. The bound α -GalCer and modified α -GalCer are shown as coloured sticks. Spacer lipids are shown as black sticks. (B) Cartoon representation of the crystal structure of iNKT TCR-CD1d- α -GalCer analogues ternary complexes deposited in the protein databank (PDB). CD1d, grey; TCR α , salmon; TCR β , light blue; β 2-microglobulin (β 2m), green. The PDB code of the crystal structures are indicated. (C) Overall superposition of iNKT TCR-CD1d- α -GalCer analogues ternary complexes deposited in the protein databank (PDB). CD1d, are control iNKT TCR-CD1d- α -GalCer analogues ternary complexes deposited in the protein databank (PDB). CD1d, are control iNKT TCR-CD1d- α -GalCer analogues ternary crystal structures are indicated. (C) Overall superposition of iNKT TCR-CD1d- α -GalCer analogues ternary crystal structures are indicated and control interactions between the iNKT TCR and α -GalCer. Hydrogen bonds are shown as dashed lines. (E) Superposition of the bound O-glycosidic linkage modified α -GalCer. (F) Superposition of the bound acyl and phytosphingosine chains modified α -GalCer. (G) Superposition of the bound 6''-OH galactose modified α -GalCer. The overall positioning of the CDR1 α and CDR3 α loops of the iNKT TCR are also shown in (E–G).