

# **Longitudinal [<sup>18</sup>]UCB-H/[<sup>18</sup>F]FDG imaging depicts complex patterns of structural and functional neuroplasticity following bilateral vestibular loss in the rat**

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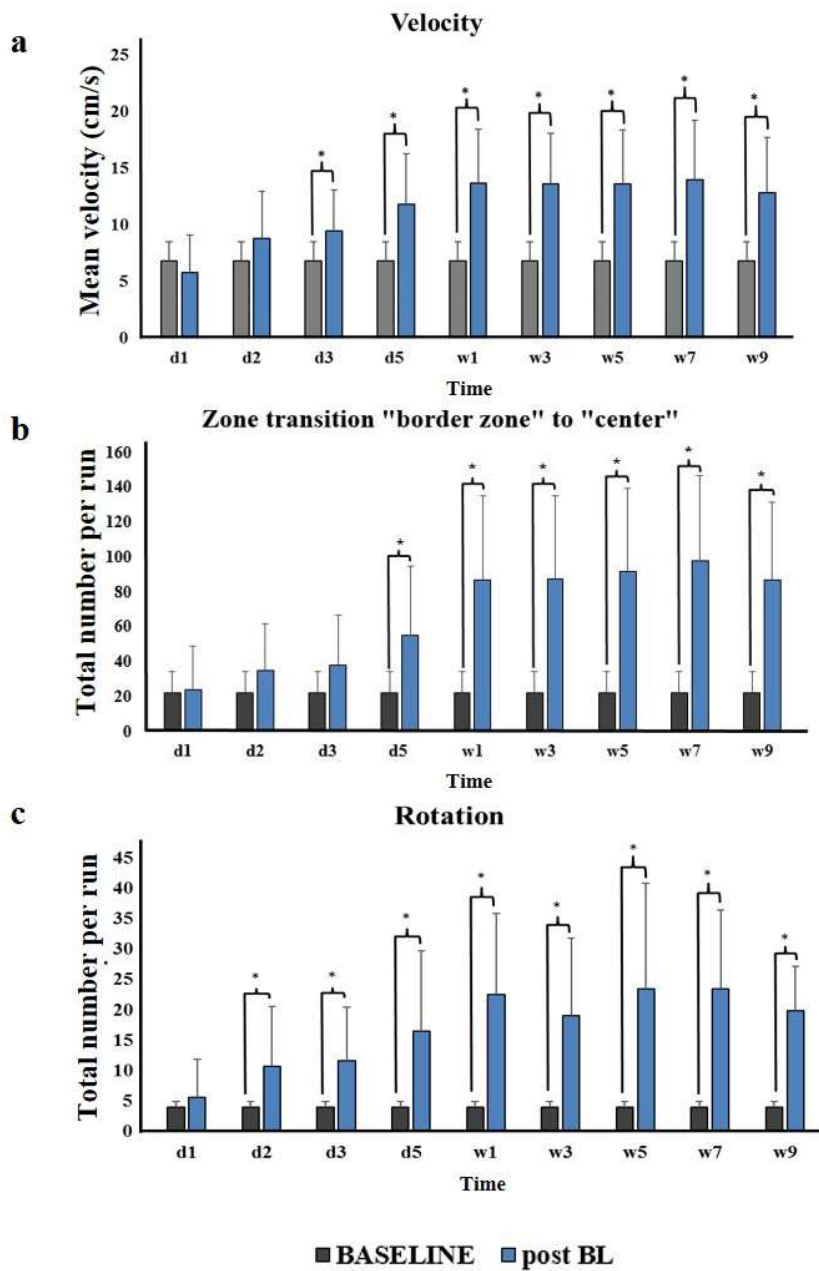
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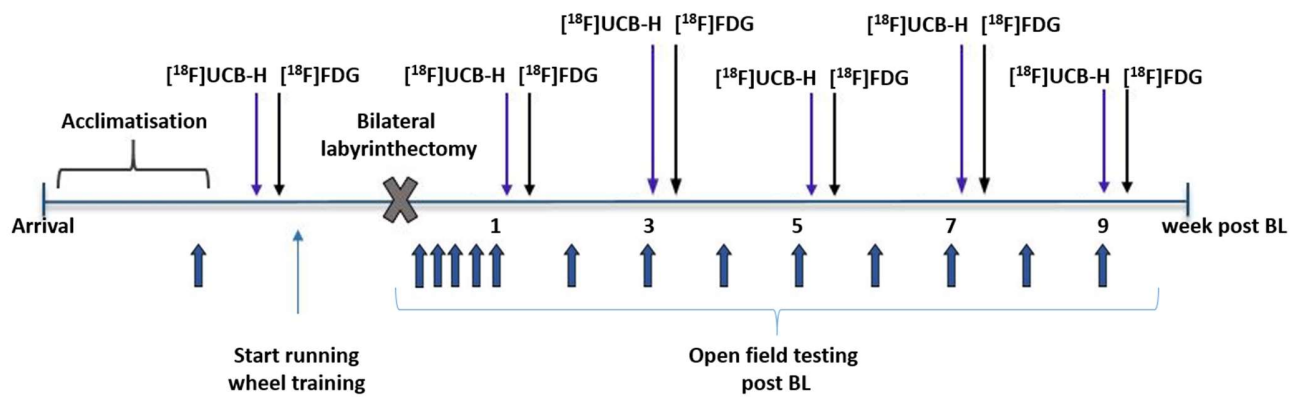
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SUPPLEMENTARY FIGURES



**Supplementary Figure S1: Behavioural parameters for the entire group of rats in the open field.** a) Locomotor velocity from baseline to 9 weeks post BL. b) Total number of zone transition from border to center zone at different time points post BL compared to baseline. c) Total number of rotations per run at different time points post BL. Values are depicted as mean + standard deviation. Significant differences (\*) are derived from an ANOVA with post-hoc testing and Bonferroni correction at a level of  $p < 0.05$ . BL: bilateral labyrinthectomy, d: day, w: week.



**Supplementary Figure S2: Experimental protocol.** BL: bilateral labyrinthectomy,  $[^{18}\text{F}]\text{FDG}$ :  $[^{18}\text{F}]\text{fluorodeoxyglucose}$