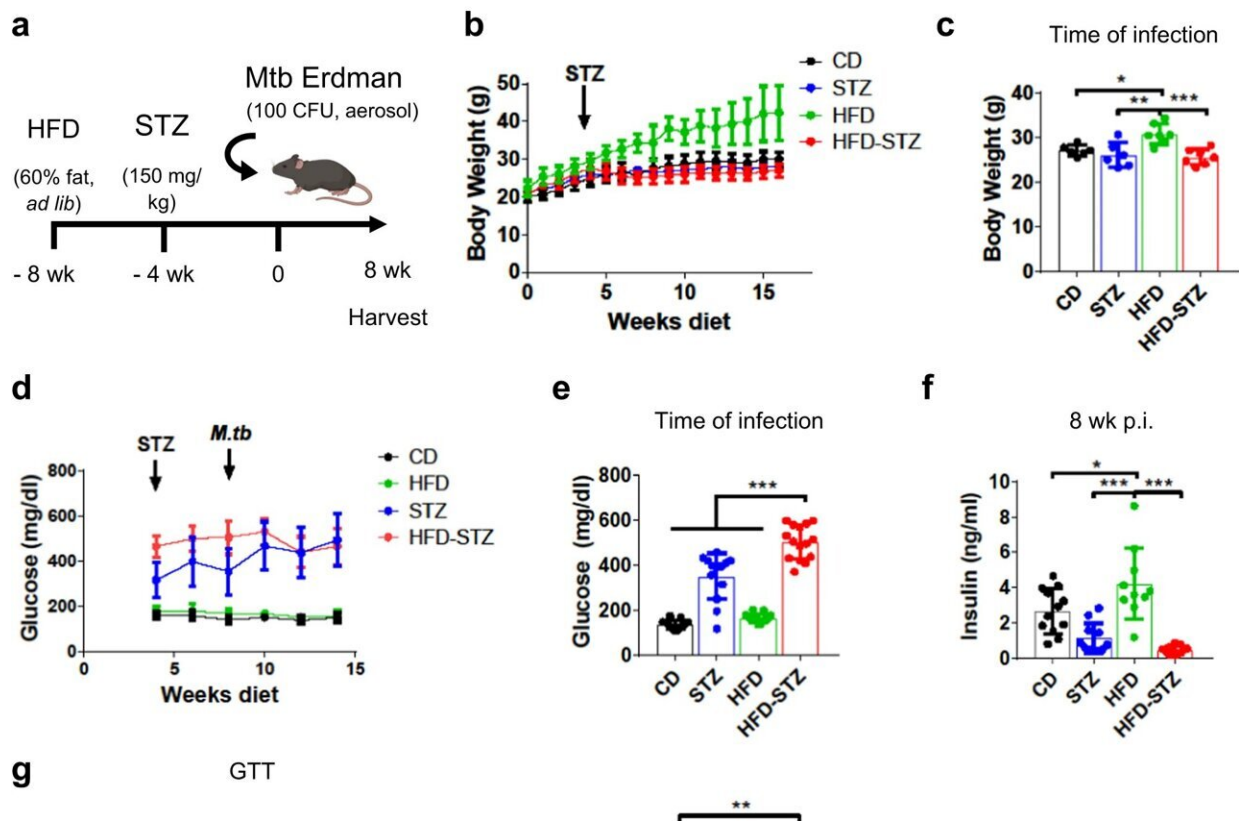


New study links blood glycerol levels to tuberculosis severity in type 2 diabetes

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Streptozotocin combined with high fat diet mirrors human type 2 diabetes. **a** Mice were injected with streptozotocin (STZ, 150 mg/kg) 4 weeks after starting a high fat diet (HFD, 60% kcal % fat) and infected with ~100 CFU *Mtb* Erdman by aerosol 4 weeks after STZ treatment. Comparison was made with mice fed HFD or control diet (CD) without STZ treatment, and mice on control diet treated with STZ. Graphic created with BioRender.com. **b** Body weight was measured weekly during the experiment ($n = 6$ mice). **c** Body weight at the time of infection ($n = 6$ mice). **d** Non-fasting blood glucose was quantified biweekly

($n = 15$ mice). **e** Non-fasting blood glucose levels at the time of infection ($n = 13$ mice for STZ and $n = 15$ mice for the others). **f** Insulin levels in plasma 8 weeks p.i. ($n = 12$ mice for CD, $n = 11$ mice for STZ and HFD-STZ and $n = 10$ mice for HFD) **g** Glucose tolerance test (*GTT*) ($n = 6$ mice for CD and HFD and $n = 7$ mice for STZ and HFD-STZ) and (**h**) insulin tolerance test (*ITT*) ($n = 13$ mice for HFD, $n = 12$ mice for CD and HFD-STZ and $n = 11$ mice for STZ) were performed 6 weeks p.i. Area under the curve (*AUC*) was calculated for the first 30 min for ITT (*middle*) or for the total for both GTT and ITT (*right*). Data are expressed as mean \pm SD. The experiments were repeated at least twice. Statistical analysis was performed by One-Way ANOVA, **P*

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