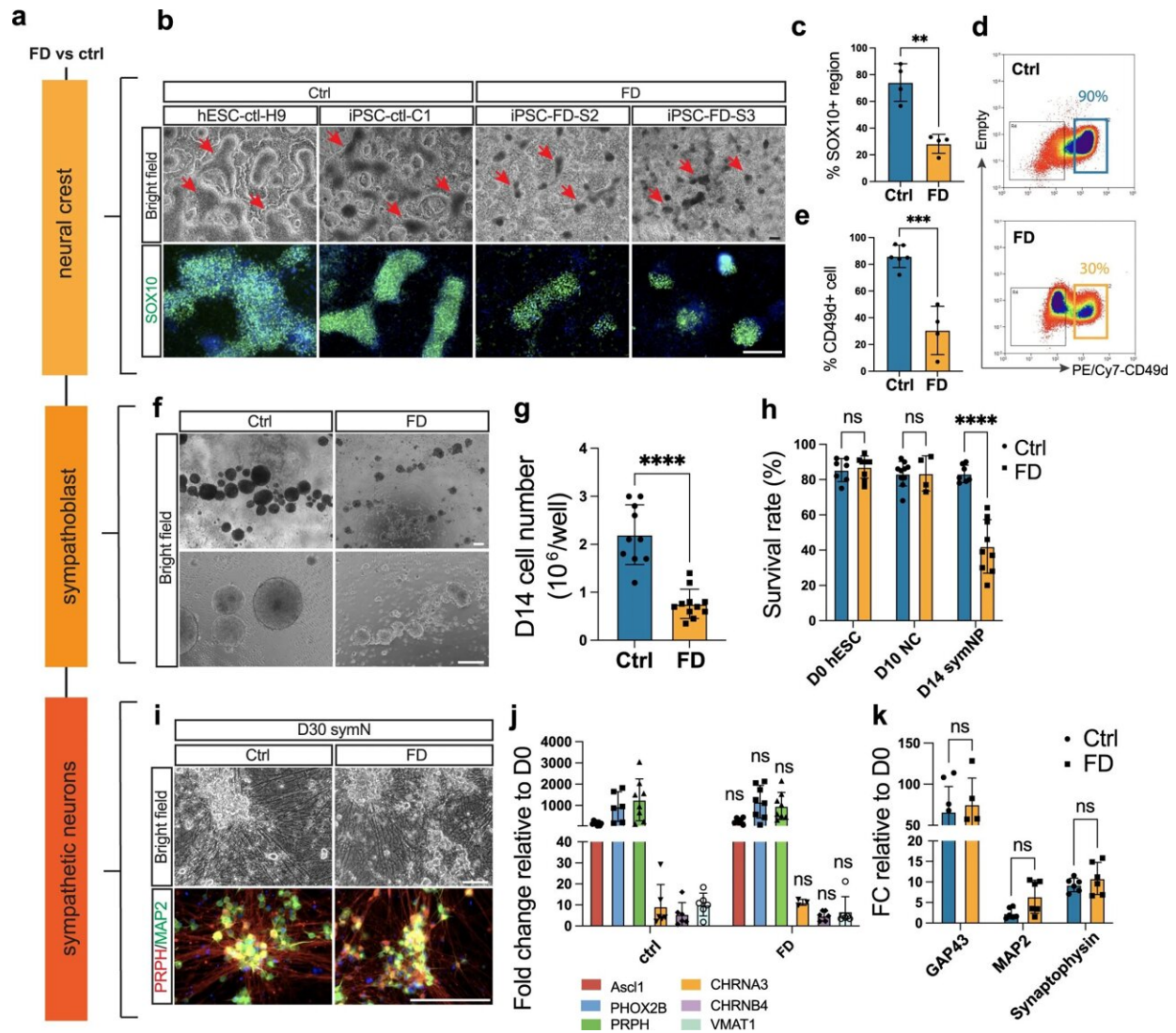


Researchers advance knowledge on debilitating genetic disease

February 24 2023, by Jake Strickland



Developmental phenotypes in Familial Dysautonomia (FD) sympathetic neurons (symNs). **a** Schematic workflow of developmental comparisons during symN

differentiation in control (ctrl) and FD groups. **b** Comparison of neural crest cell (NCC) differentiation on day 10. Red arrows indicate the NCC “ridge” structures. Immunostaining in bottom row shows SOX10 (green) positive NCC ridges at high scale. hESC-ctrl-H9 = human embryonic stem cells, WA09, hiPSCs = human induced pluripotent stem cells, C1 = healthy ctrl, S2, S3 = FD patients. **c** Quantification of SOX10⁺ cell area in **(b)**. $n = 4$ biological replicates. Two-tailed Student’s t-test. Error bar represents the SEM. **** p**

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