Supplementary Information

Control of cerebellar Purkinje cell development by synergistic activity of collagen and laminin-1

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Supplementary figures

Fig. S1: Collagen expression in rat cerebral cortex. Sagittal sections of cerebral cortex from 20 days old rat embryo, stained for collagen type I-V (red) and co-immunostained for neuronal specific nuclear protein NeuN (A) or calbindin (C). The collagen channel alone is shown in (B) and (D).
Fig. S2: Expression of Collagen I and Collagen IV in rat cerebellar cortex. Sagittal sections of postnatal 5 days old cerebellum stained for calbindin (green) and co-immunostained for either collagen type I (A) or collagen type IV (C). The collagen channel alone is shown in (B) and (D).
Fig. S3: (A) Rheological measurements (storage modulus, $G'$; loss modulus $G''$) of hybrid matrices formed by collagen 6.0 mg/ml and different IKVAV PA concentrations over an angular frequency range of 1 to 100 s$^{-1}$ (strain 0.1%; each trace represents an average of three measurements). (B) Effects of collagen and IKVAV PA concentrations on the storage moduli of hybrid matrices, compared at an angular frequency of 10 s$^{-1}$ and strain of 0.1% (two-way ANOVA with Tukey’s post-hoc comparison; n=3).