

Brief exposure to enriched environment rapidly shapes the glutamate synapse in the rat brain: a metaplastic fingerprint

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Affiliations

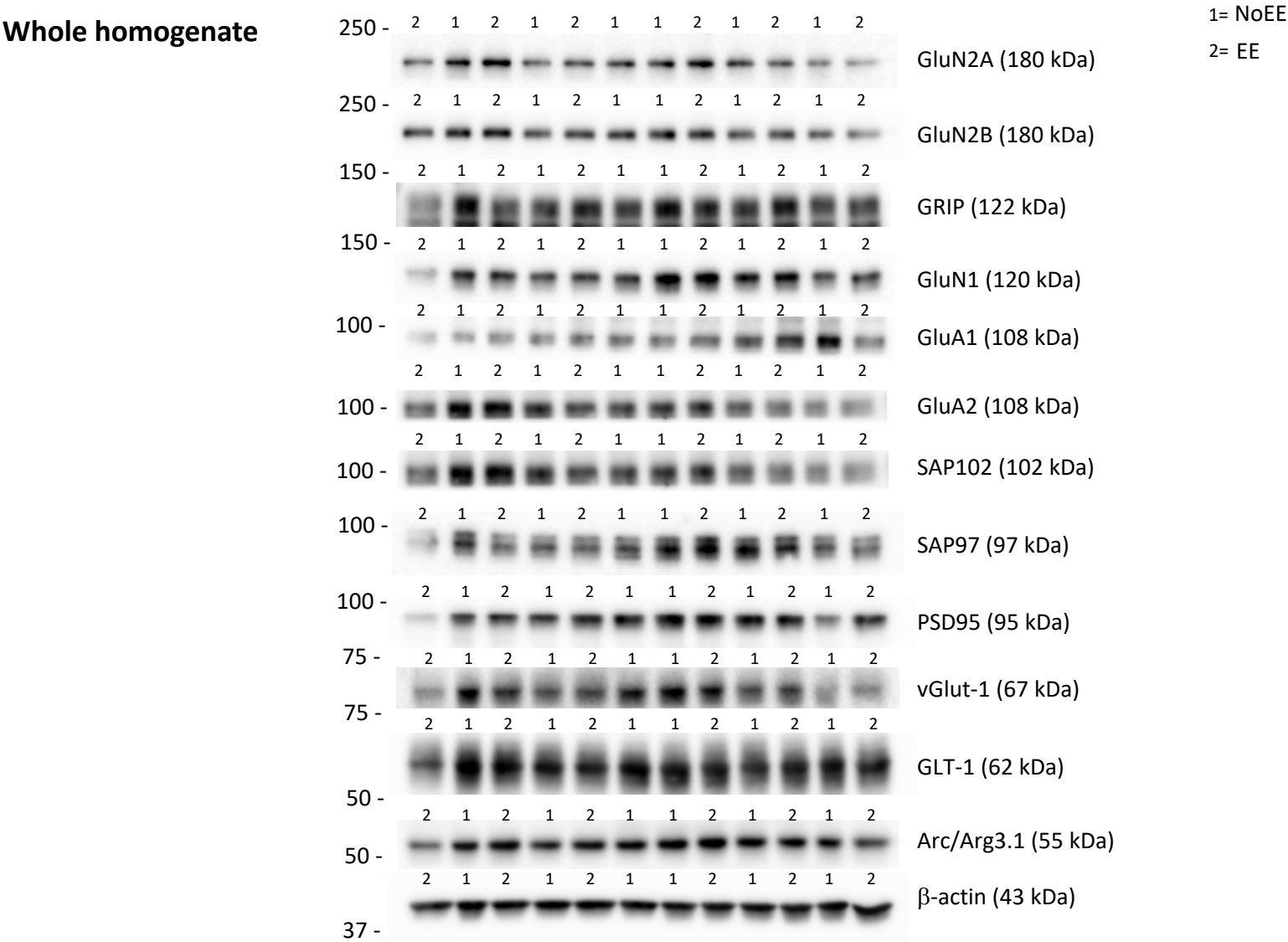
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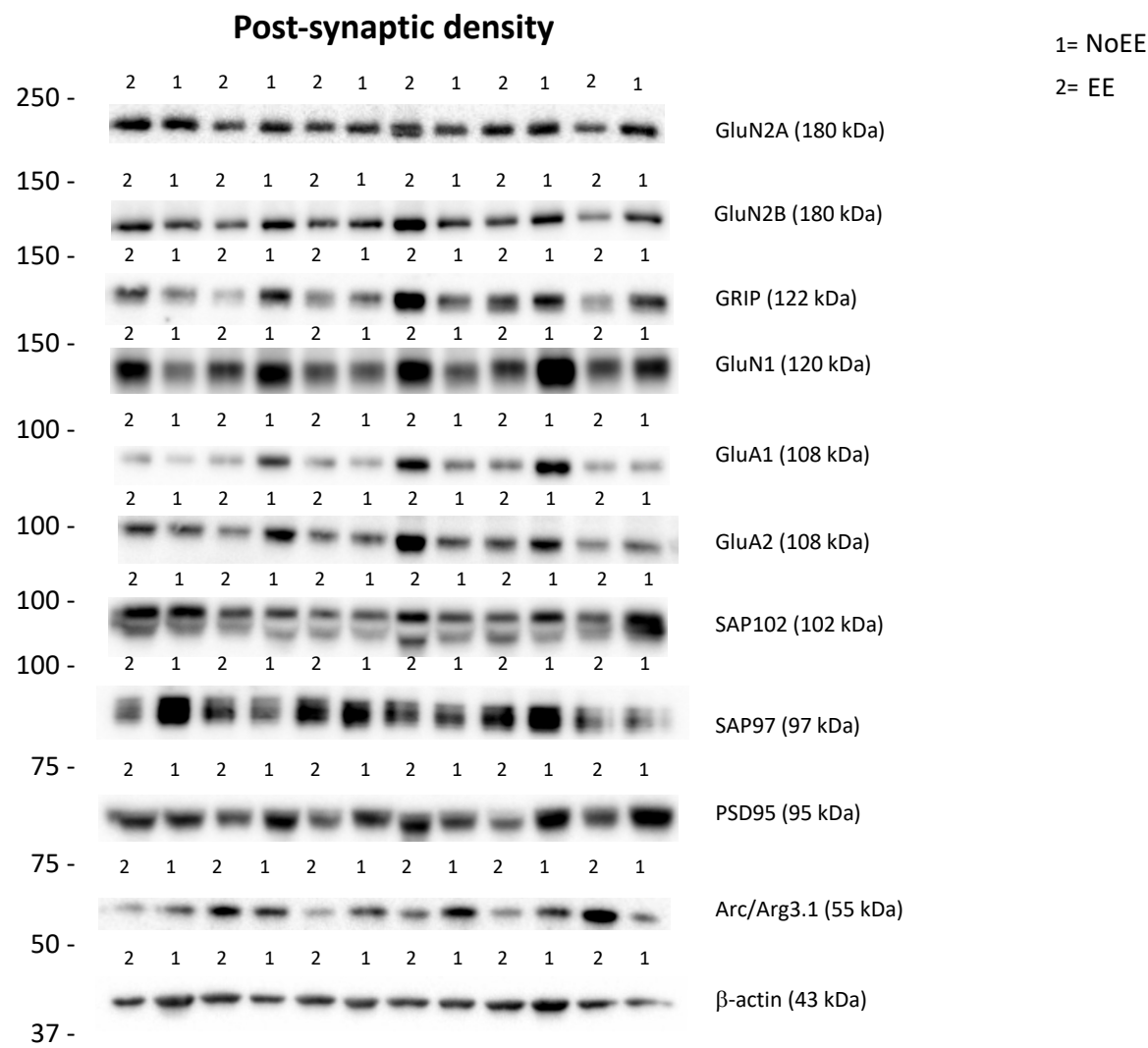
Cristiano Chiamulera and Fabio Fumagalli share the seniorship

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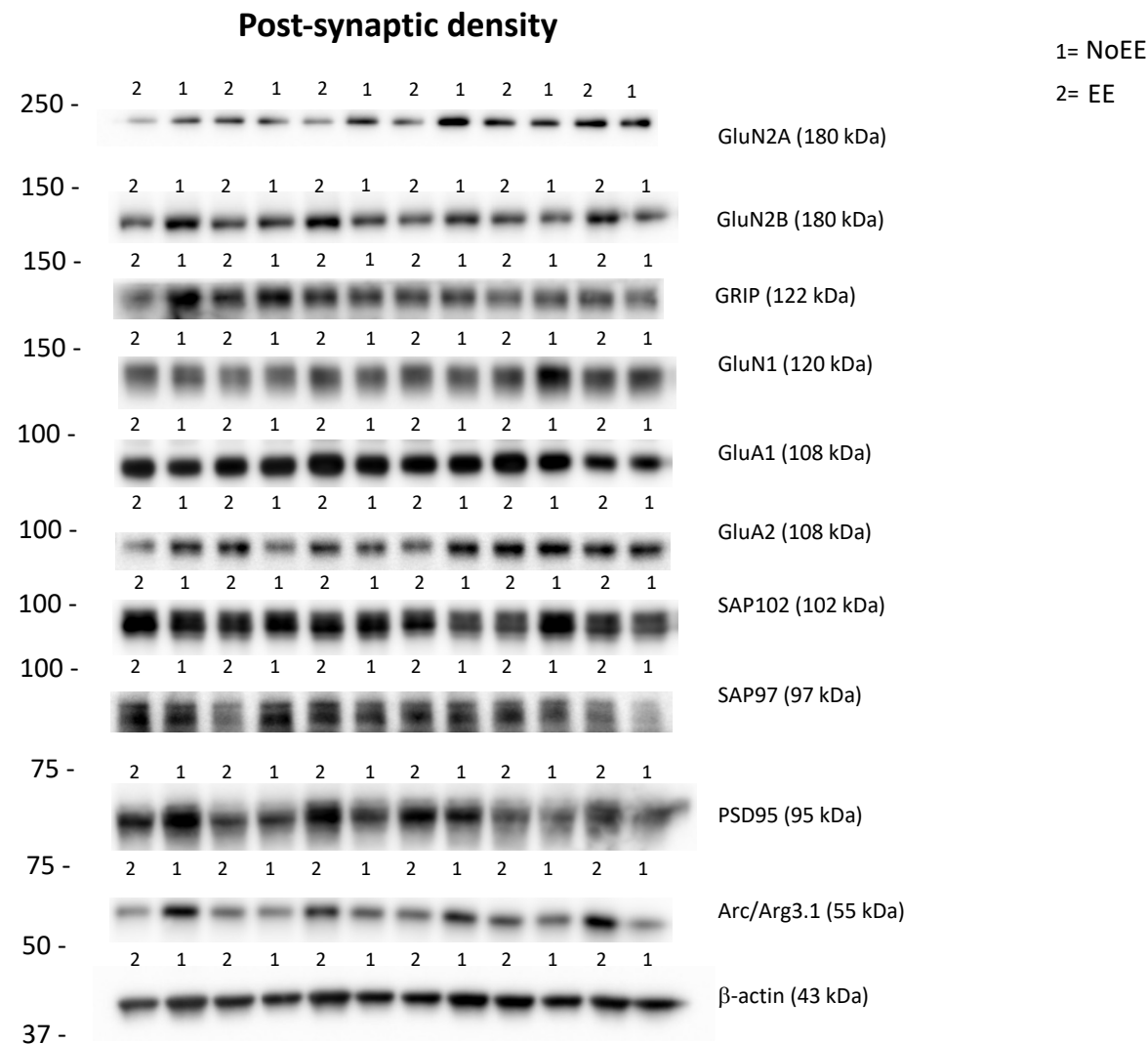
Supplementary figure S2. Cropped immunoblot related to the protein expression levels of GluN2A (180 kDa), GluN2B (180 kDa), GRIP (122 kDa), GluN1 (120 kDa), GluA1 (108 kDa), GluA2 (108 kDa), SAP102 (102 kDa), SAP97 (97 kDa), PSD95 (95 kDa), vGlut1 (67 kDa), GLT-1 (62 kDa), Arc/Arg3.1 (55 kDa), and β -Actin (43 kDa) measured in the medial prefrontal cortex (mPFC) whole homogenate of rats exposed to the enriched environment (EE) condition or not (NoEE), as represented in figure 1 panel b.



Supplementary figure S3. Cropped immunoblot related to the protein expression levels of GluN2A (180 kDa), GluN2B (180 kDa), GRIP (122 kDa), GluN1 (120 kDa), GluA1 (108 kDa), GluA2 (108 kDa), SAP102 (102 kDa), SAP97 (97 kDa), PSD95 (95 kDa), Arc/Arg3.1 (55 kDa), and β -Actin (43 kDa) measured in the Nucleus Accumbens (NAc) in the post-synaptic density of rats exposed to the enriched environment (EE) condition or not (NoEE), as represented in figure 2 panel a.



Supplementary figure S5. Cropped immunoblot related to the protein expression levels of GluN2A (180 kDa), GluN2B (180 kDa), GRIP (122 kDa), GluN1 (120 kDa), GluA1 (108 kDa), GluA2 (108 kDa), SAP102 (102 kDa), SAP97 (97 kDa), PSD95 (95 kDa), Arc/Arg3.1 (55 kDa), and β -Actin (43 kDa) measured in the Hippocampus (Hipp) in the post-synaptic density of rats exposed to the enriched environment (EE) condition or not (NoEE), as represented in figure 3 panel a.



Supplementary figure S6. Cropped immunoblot related to the protein expression levels of GluN2A (180 kDa), GluN2B (180 kDa), GRIP (122 kDa), GluN1 (120 kDa), GluA1 (108 kDa), GluA2 (108 kDa), SAP102 (102 kDa), SAP97 (97 kDa), PSD95 (95 kDa), vGlut1 (67 kDa), GLT-1 (62 kDa), Arc/Arg3.1 (55 kDa), and β -Actin (43 kDa) measured in the Hippocampus (Hipp) whole homogenate of rats exposed to the enriched environment (EE) condition or not (NoEE), as represented in figure 3 panel b.

