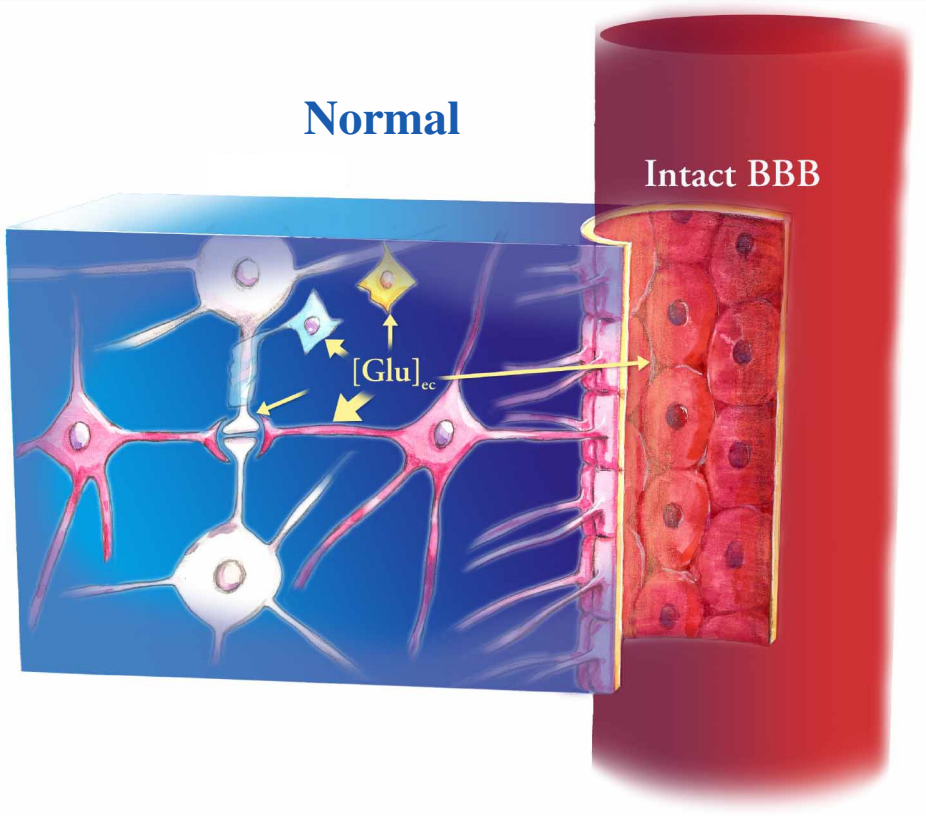
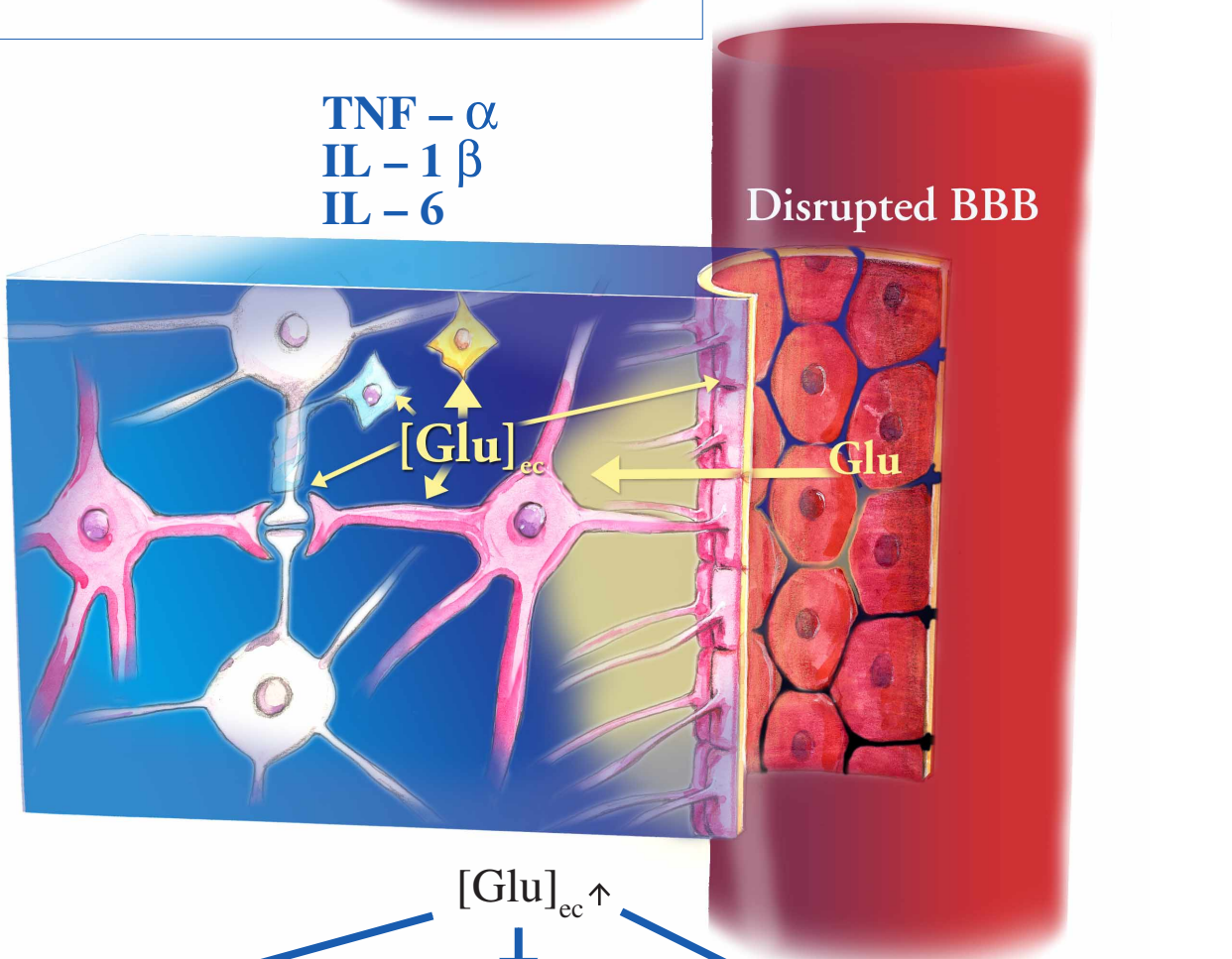


Normal



TNF - α
IL - 1 β
IL - 6

Disrupted BBB



$[Glu]_{ec} \uparrow$

Signal-to-noise $\downarrow$
in Glu transmission

astroglial swelling

neuronal excitability $\uparrow$

loud
light } *sens.* $\uparrow$

astro depol.

K⁺ uptake $\downarrow$

$[K^+]_{ec} \uparrow$

Glu release $\downarrow$

NA/5HT $\downarrow$

depression

attention $\downarrow$

Precision $\downarrow$ in
info intake
+
info processing

ec space $\downarrow$

Glu transmission $\downarrow$

astroglial
metabolism $\downarrow$
+
metabol. support $\downarrow$

Mental fatigue/exhaustion