**Normal**

- Glucose uptake
- Glu release
- Glu transmission
- Mental fatigue/exhaustion

**Disrupted BBB**

- TNF – α
- IL – 1 β
- IL – 6

- Astroglial swelling
- Astro depol.
- K⁺ uptake
- [K⁺]ₑₑ
- Glu release
- [Glu]ₑₑ

- Neuronal excitability
- LC
- NA/5HT
- NA/5HT
- Depression
- Attention

- Precision in info intake + info processing
- ec space
- Glu transmission
- Mental fatigue/exhaustion

**Signal-to-noise**↓ in Glu transmission

**Precision**↓ in info intake + info processing

**Mental fatigue/exhaustion**