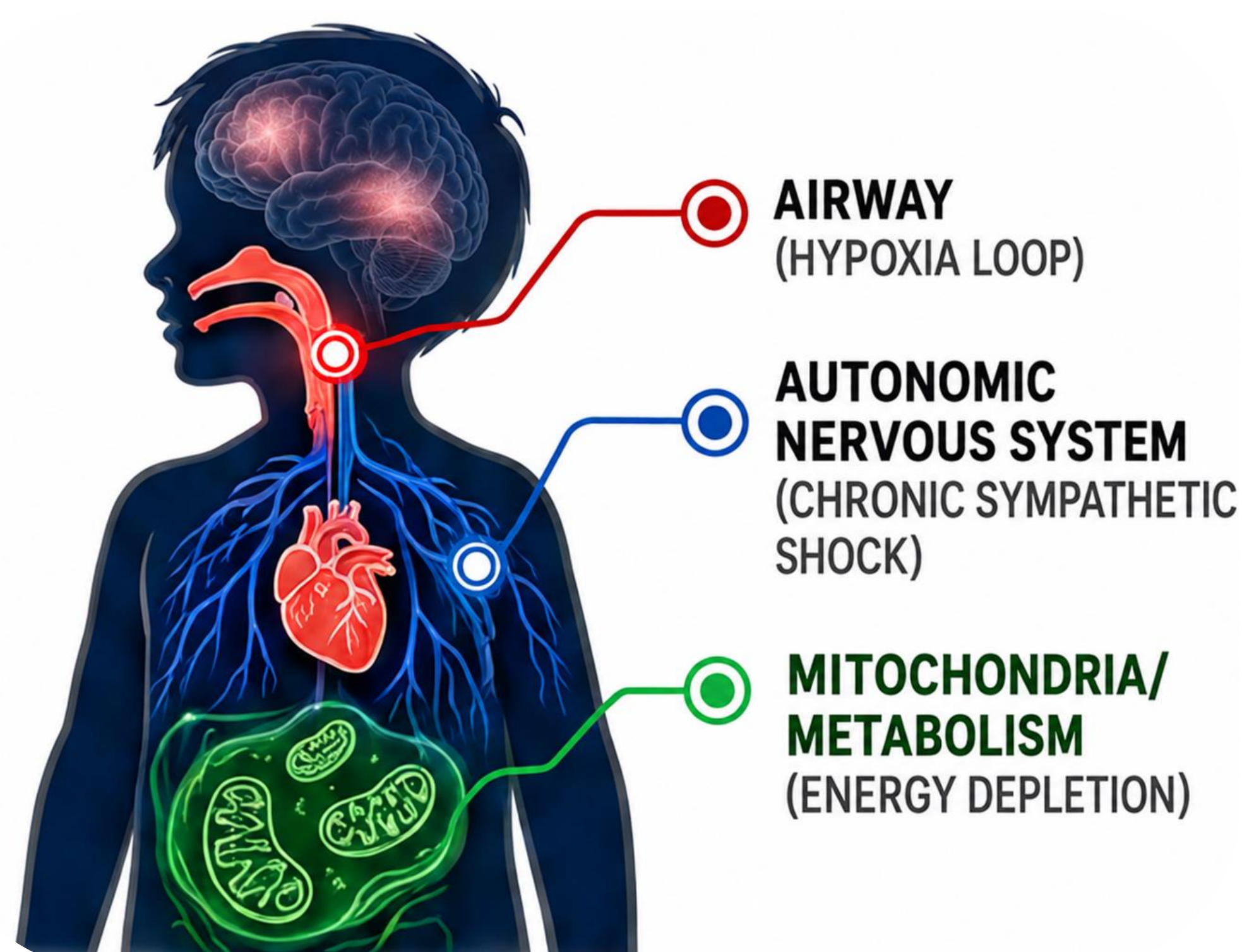


BEYOND TOP-DOWN CONTROL: OPERATIONALIZING CONNECTOME CIRCUITS FOR HIE RESTORATION

Part 1: CHILDHOOD HIE = Vicious Cycle

Hypoxic-Ischemic Encephalopathy is not a single defect. A cascading crash of metabolic, autonomic, and airway integrity.

Neurology:
Abnormal inputs
hardware.

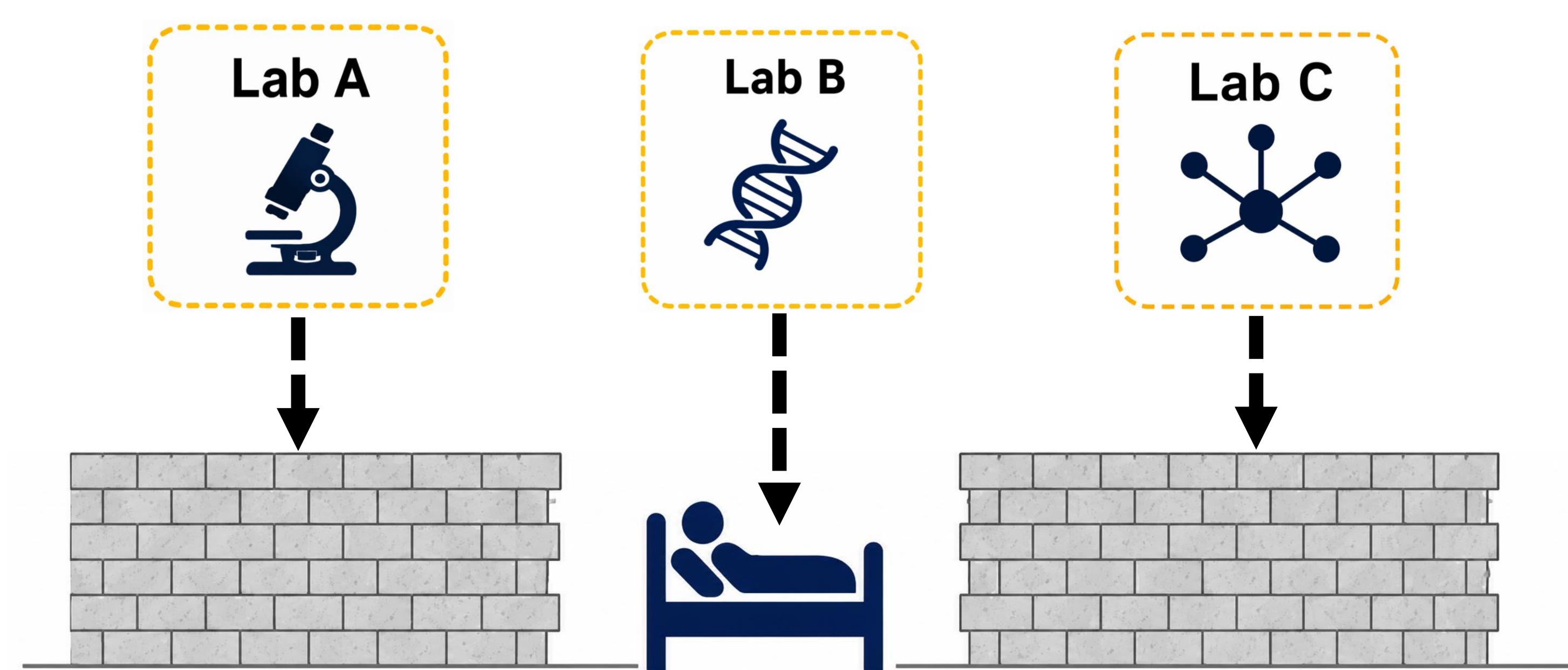


Maladaptive Movement Patterns Become Hardwired

Part 2: FRAGMENTATION & Siloed Research

Excellent discoveries occur daily, but discoveries stay trapped in silos. Academic pipelines take 15+ years to move from lab discoveries to patients.

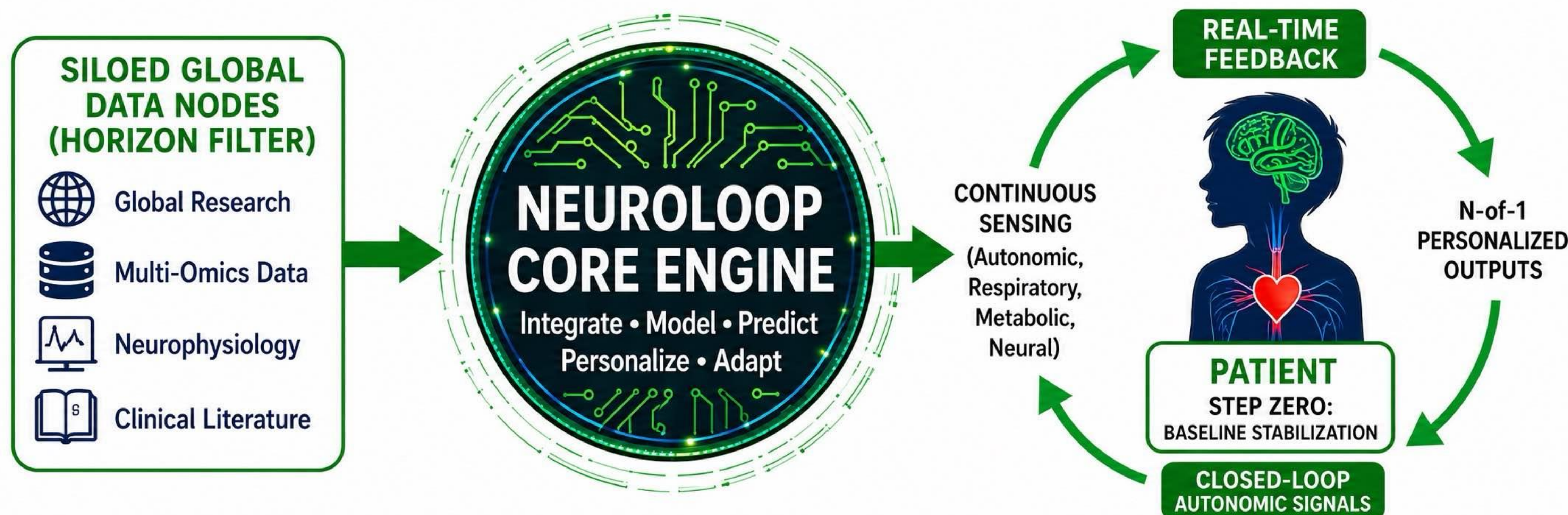
>Isolated data tracks >No unified translation >High latency pipeline



Brick Walls - Very Little Progress in 25 Years

Part 3: INTEGRATION – The NeuroLoop Protocol

The NeuroLoop Protocol is a non-invasive, inside-out engine. It will use closed-loop autonomic feedback to engage subcortical networks—stabilizing the baseline platform (Step Zero) for safe, individualized neural remodeling.



Parent Driven | Non-Commercial | Non-Invasive | Inside-Out | N of 1

BCI Debate: Inside-Out vs. Outside-In



BCI drives signals outward.
NeuroLoop asks:

Can non-invasive body-to-brain feed back better rebuild natural motor learning in HIE /CP?

Part 4: COLLABORATION ASK

CPCure and BRIGHT offer a multi-decade platform for direct-to-patient execution.



Join the NeuroLoop Project

Help us crack the absolute hardest edge case in medicine (HIE Injury).

We Bring

We follow data: prototyping weekly, not yearly. No locked-in tech stack; whatever works.

Your Benefits:

- **Collaborative Publishing:** Co-author independent, foundational papers based on our rapid approach.
- **Engineering Sprints:** Contracted, milestone-based development for advanced hardware/software sub-systems.
- **The Mission:** Prove the bounds of individual-level precision (N of 1) engineering.

Scan to schedule a meeting or access more information.



WWW.CPCURE.ORG



WWW.BRIGHTFoundation.ORG