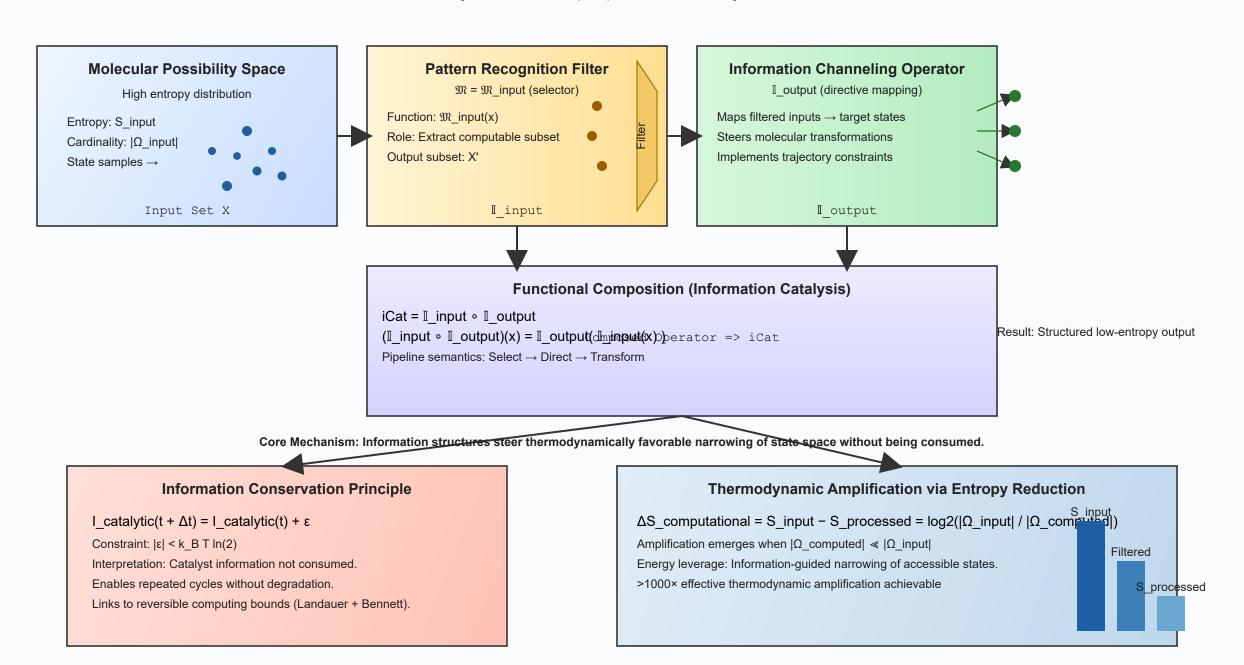
## **Information Catalysis: Theoretical Framework**

Biological Maxwell Demon (BMD) Mechanism within Borgia Framework



**Legend:** I\_input = selection (pattern recognition)

■ output = directed transformation channel

iCat = composed catalytic information operator

 $\Delta S$  reduction  $\Rightarrow$  amplification