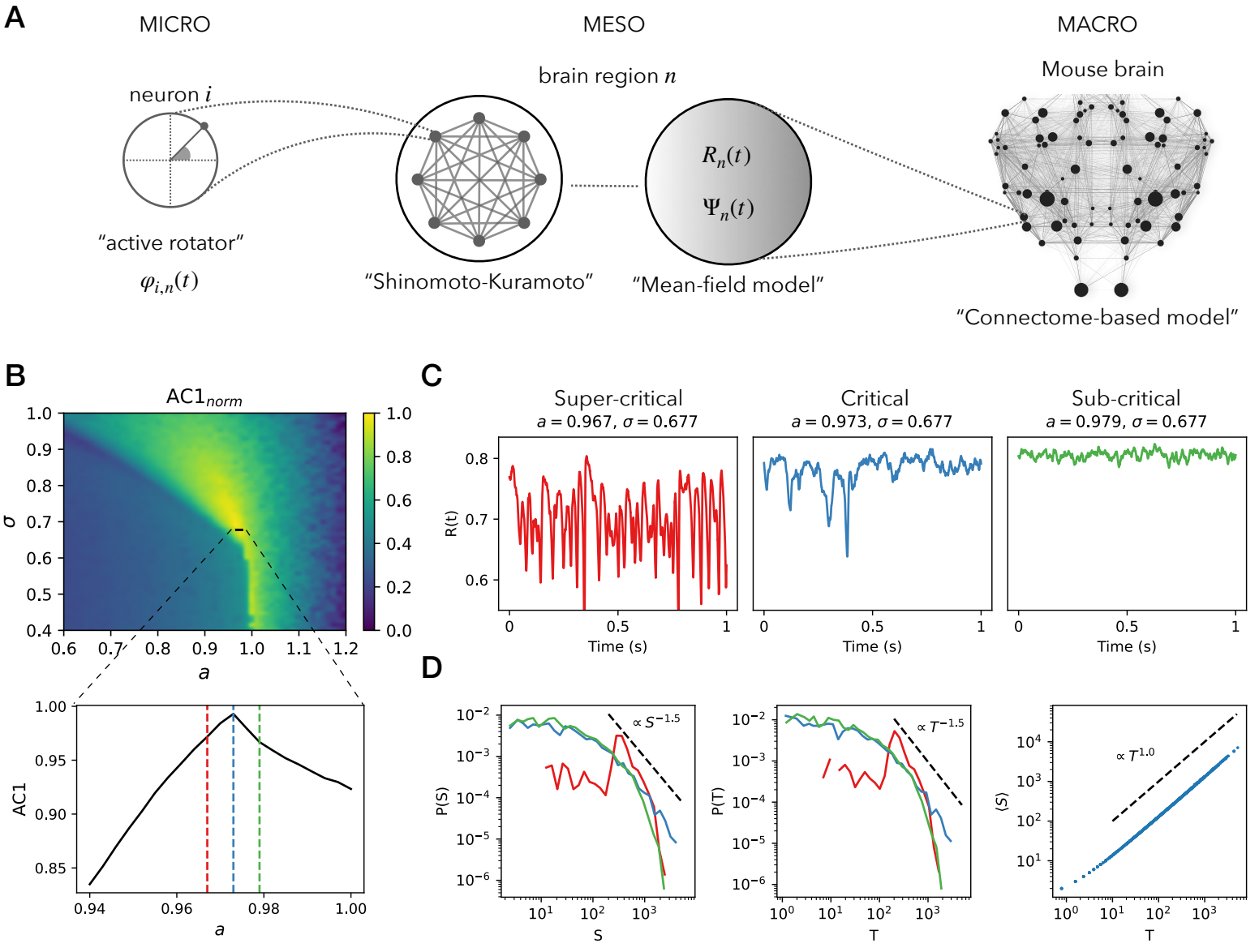
A
MICRO
MESO
MACRO
neuron i
brain region n
Mouse brain
$R_n(t)$
$\Psi_n(t)$
"active rotator"
$\varphi_{i,n}(t)$
"Shinomoto-Kuramoto"
"Mean-field model"
"Connectome-based model"
B
AC1$_{norm}$
σ
a
AC1
C
Super-critical
$a = 0.967$, $\sigma = 0.677$
Critical
$a = 0.973$, $\sigma = 0.677$
Sub-critical
$a = 0.979$, $\sigma = 0.677$
R(t)
Time (s)
D
P(S)
S
$\propto S^{-1.5}$
P(T)
T
$\propto T^{-1.5}$
⟨S⟩
$\propto T^{1.0}$