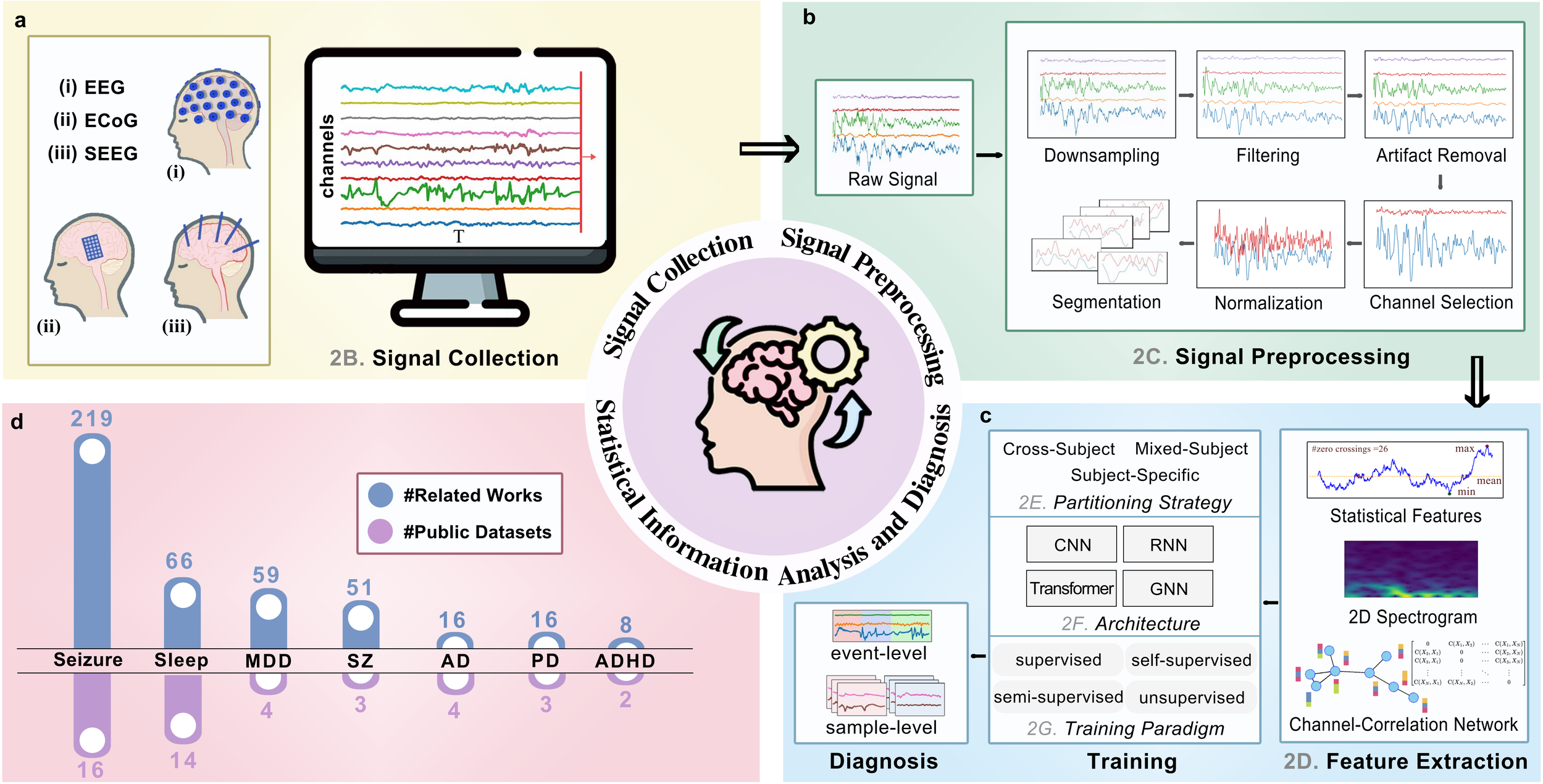
a
(i) EEG
(ii) ECoG
(iii) SEEG
(i)
(ii)
(iii)
channels
T
2B. Signal Collection
b
Raw Signal
Downsampling
Filtering
Artifact Removal
Segmentation
Normalization
Channel Selection
2C. Signal Preprocessing
Signal Collection
Signal Preprocessing
Statistical Information Analysis and Diagnosis
d
219
66
59
51
16
16
8
Seizure
Sleep
MDD
SZ
AD
PD
ADHD
16
14
4
3
4
3
2
#Related Works
#Public Datasets
c
Cross-Subject
Mixed-Subject
Subject-Specific
2E. Partitioning Strategy
CNN
RNN
Transformer
GNN
2F. Architecture
supervised
self-supervised
semi-supervised
unsupervised
2G. Training Paradigm
event-level
sample-level
Diagnosis
Training
#zero crossings =26
max
mean
min
Statistical Features
2D Spectrogram
Channel-Correlation Network
2D. Feature Extraction