Allow to track brain response following the presentation of a specific word

0

200

300

400

500

600

700

800

900

N400

P600

200ms → 300ms

300ms → 500ms

500ms → 700ms

Target word (MOUSE) onset

EVENT-RELATED POTENTIALS

N250

N400

P600

FORM processing
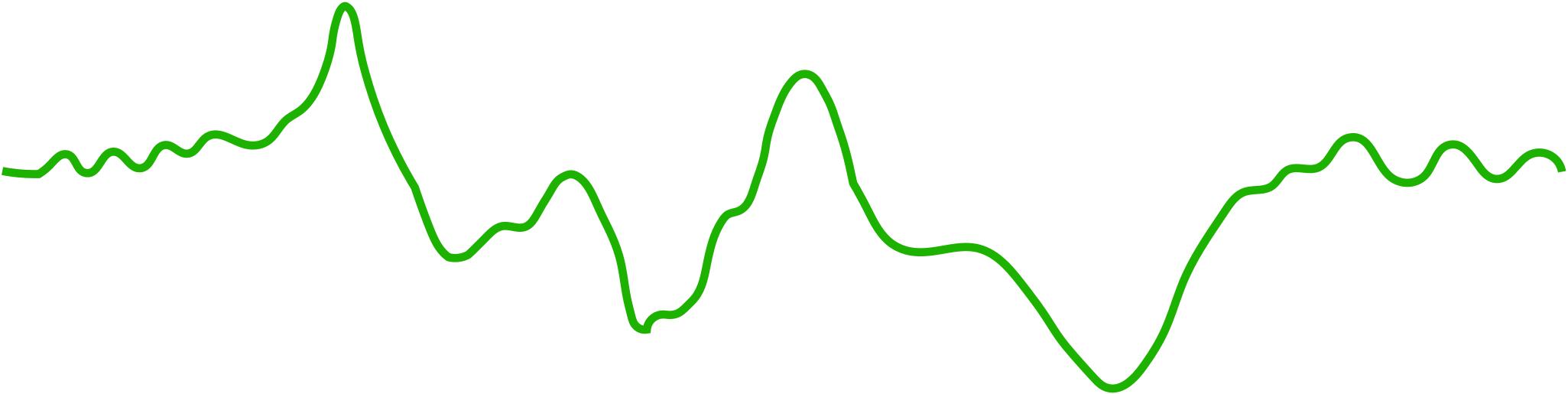
MEANING

processing

Reanalyses / Repair

VOLTAGE (in μV)

TIME (in milliseconds)

Negative

SNOW - MOUSE

CAT - MOUSE

Positive

N400 EFFECT
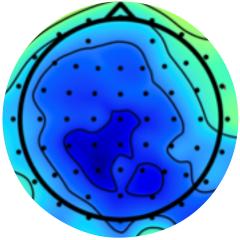
COMPONENT

COMPONENT

COMPONENT

EVENT-RELATED POTENTIALS

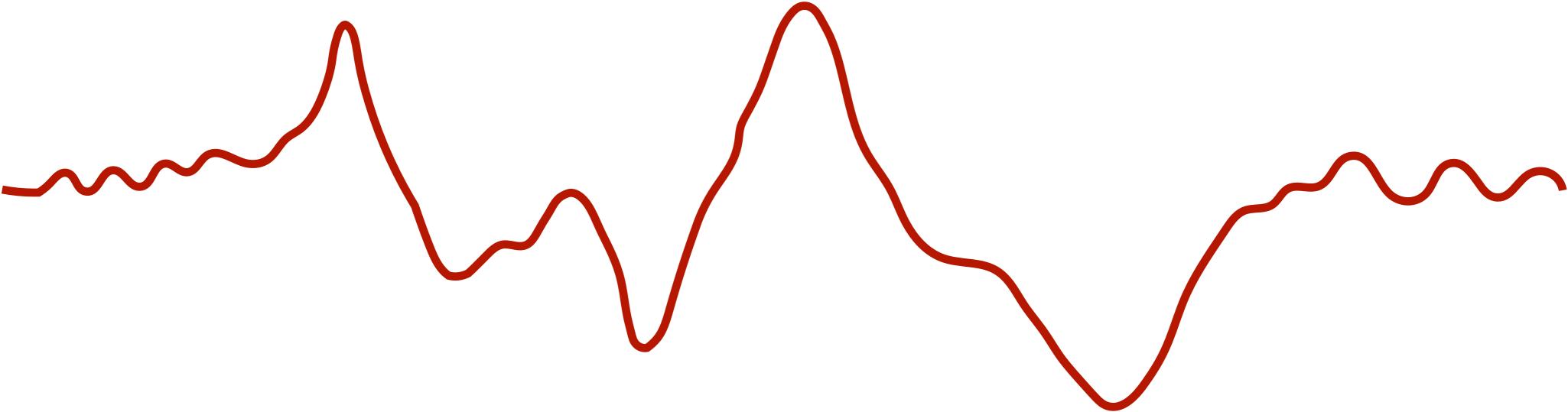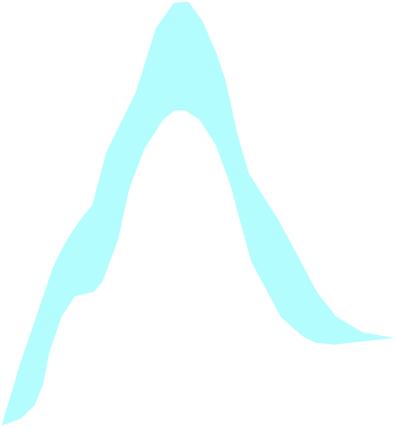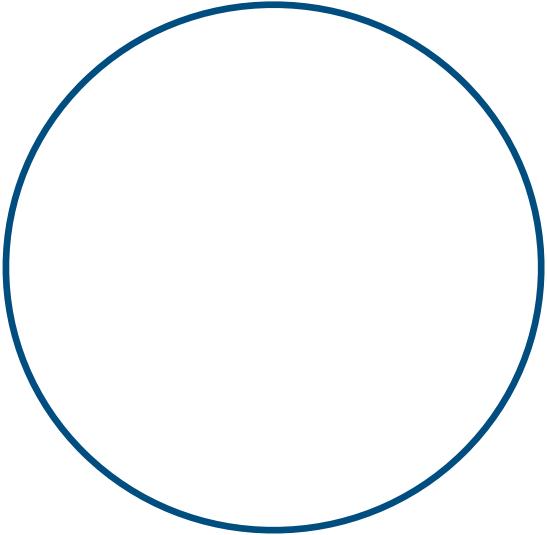Allow to track brain response following the presentation of a specific word

SNOW - MOUSE

CAT - MOUSE

Target word (MOUSE) onset

Negative

N250 COMPONENT

N400 COMPONENT

N400 EFFECT

P600 COMPONENT
Reanalyses / Repair

VOLTAGE (in μV)

Positive

FORM processing
200ms → 300ms

MEANING processing
300ms → 500ms

500ms → 700ms

| N250 | N400 | P600 |

0   100   200   300   400   500   600   700

TIME (in milliseconds)

6

SEMANTIC ASSOCIATION
Vs.
SEMANTIC RELATION