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## **Supplemental information**

### **Auditory white noise exposure results in intrinsic cortical excitability changes**

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## Supplementary Items

### 8 minute-long MEG recordings

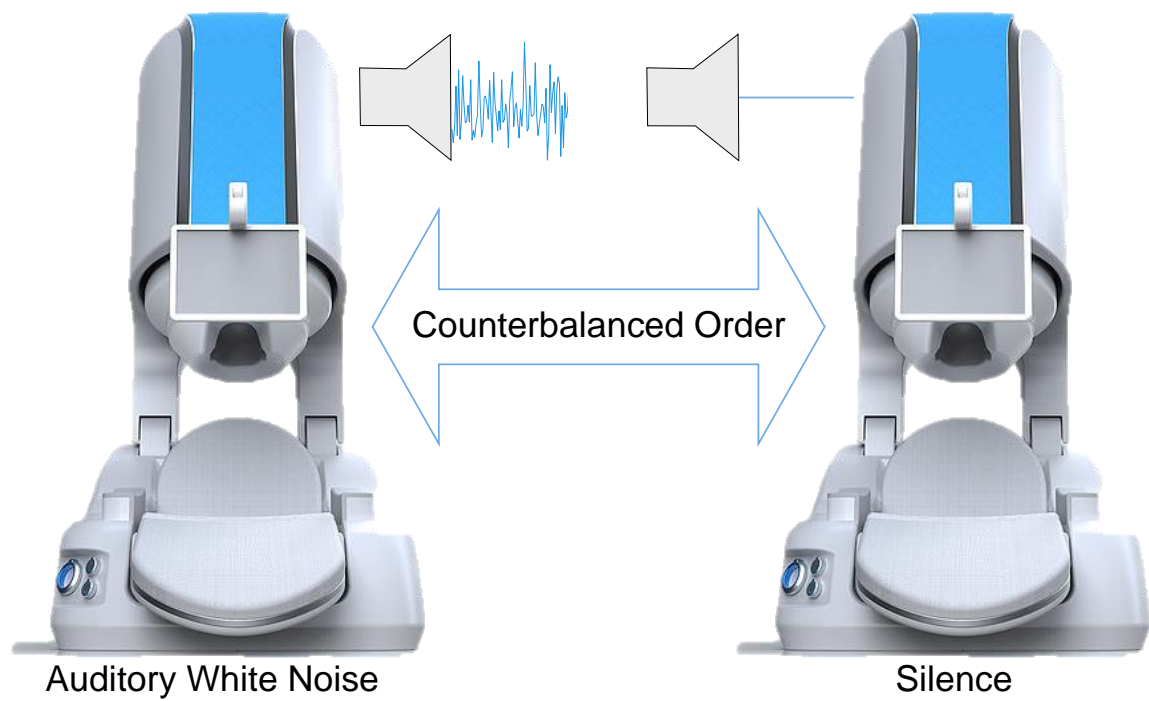


Figure S1. Depiction of experimental paradigm. This figure refers to the “MEG data acquisition and Stimulus Material” section of the STAR Methods.

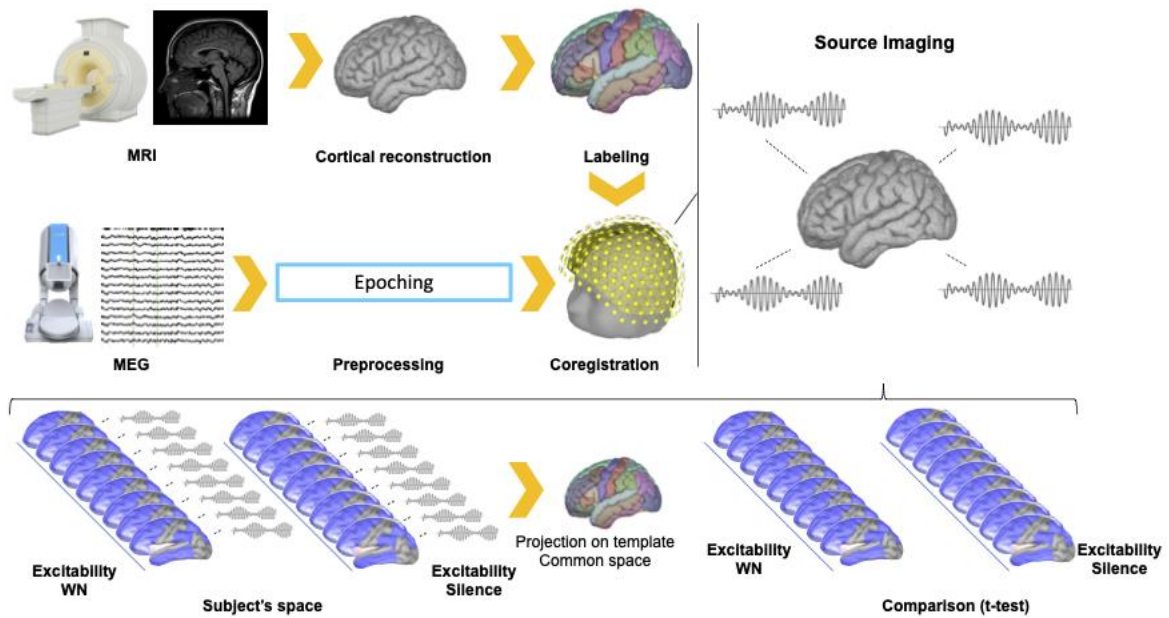


Figure S2. Depiction of data processing pipeline. This figure refers to the “MEG data processing” section of the STAR Methods.

Table S1. Overview on excitability decrease. T-values as depicted in Figure 1B.

Parcel (Desikan-Killiany)	t-value
Right entorhinal	-3.98
Left frontal pole	-3.82
Right frontal pole	-3.98
Left superiorfrontal	-2.68
Right superiorfrontal	-3.16
Left inferiortemporal	-2.8
Left isthmuscingulate	-3.28

Right isthmuscingulate	-4.95
Left lateralorbitofrontal	-5.23
Right lingual	-2.67
Right medialorbitofrontal	-3.97
Right parahippocampal	-4.36
Right pericalcarine	-4.34
Right precuneus	-3.99
Left rostralmiddlefrontal	-3.12
Left rostralanteriorcingulate	-2.8
Right rostralanteriorcingulate	-3.35

Table S2. Overview on spectral power increase. T-values as depicted in Figure 1C.

<b>Parcel (Desikan-Killiany)</b>	<b>t-value</b>
Left caudalanteriorcingulate	3.02
Left caudalmiddlefrontal	2.27
Left cuneus	2.65
Right cuneus	2.95

Left entorhinal	4.32
Right entorhinal	2.48
Left frontalpole	3.33
Right frontalpole	3.19
Left fusiform	5.33
Right fusiform	5.31
Left inferiorparietal	4.21
Right inferiorparietal	3.12
Left inferiortemporal	9.16
Right inferiortemporal	4.72
Left insula	3.24
Right insula	2.15
Left isthmuscingulate	3.48
Right isthmuscingulate	4.12
Right lateraloccipital	3.54
Left lateralorbitofrontal	3.64

Left lingual	4.36
Right lingual	4.72
Left medialorbitofrontal	5.57
Right medialorbitofrontal	3.23
Left middletemporal	2.29
Right middletemporal	3.78
Right paracentral	2.80
Left parahippocampal	3.02
Right parahippocampal	3.65
Left parsopercularis	3.26
Left parsorbitalis	5.56
Left parstriangularis	2.52
Left pericalcarine	2.89
Right pericalcarine	2.57
Left posteriorcingulate	2.79
Right posteriorcingulate	2.51

Left precentral	2.2
Left precuneus	3.6
Right rostralanteriorcingulate	2.79
Left rostralmiddlefrontal	6.04
Right rostralmiddlefrontal	3.78
Left superiorfrontal	3.31
Left superiorparietal	3.13
Right superiorparietal	2.28
Left superiortemporal	2.5
Right superiortemporal	2.26
Left temporalpole	4.06
Right temporalpole	2.59