

Fig. S1. Spatial map of PAC-S2-IPC-preSMA network (axial slices).

PAC-S2-IPC-preSMA network: yellow; PAC: red; left S1: green; left S2: blue; right IPC: purple. The last three brain areas were presented only unilaterally for clearly displaying the borders and scopes. The scopes of PAC, S1, S2, and IPC were made by using of the SPM Anatomy toolbox (http://www.fz-juelich.de/inm/inm-1/DE/Forschung/_docs/SPMAnatomyToolbox/SPMAnatomyToolbox_node.html).

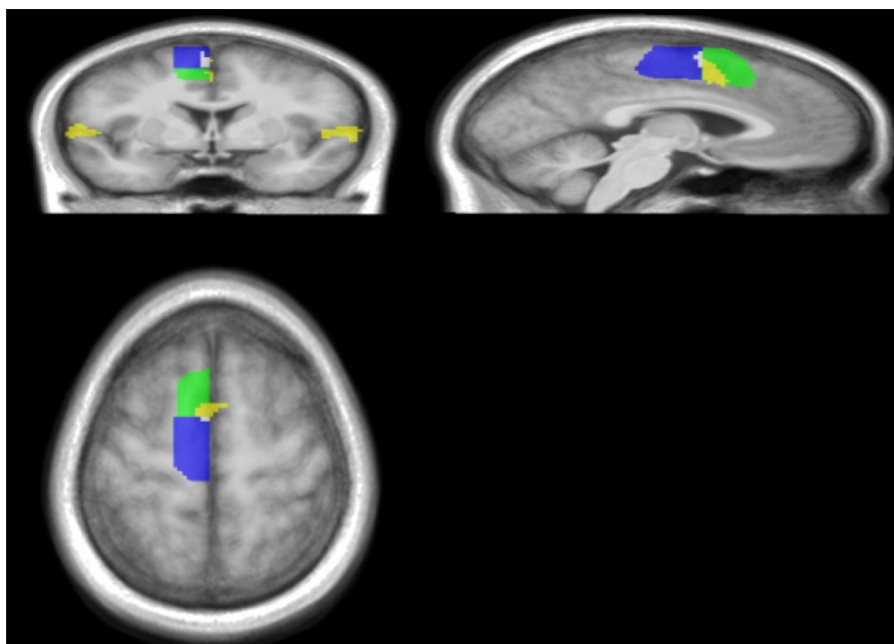


Fig. S2. Spatial relationship among the PAC-S2-IPC-preSMA network, preSMA, and SMA.

A part of the PAC-S2-IPC-preSMA network was located in the scope of preSMA.

PAC–S2–IPC–preSMA network: yellow; preSMA: green; SMA: blue. The scopes of preSMA and SMA were presented only unilaterally (on the left side) for clearly displaying the borders and scopes.

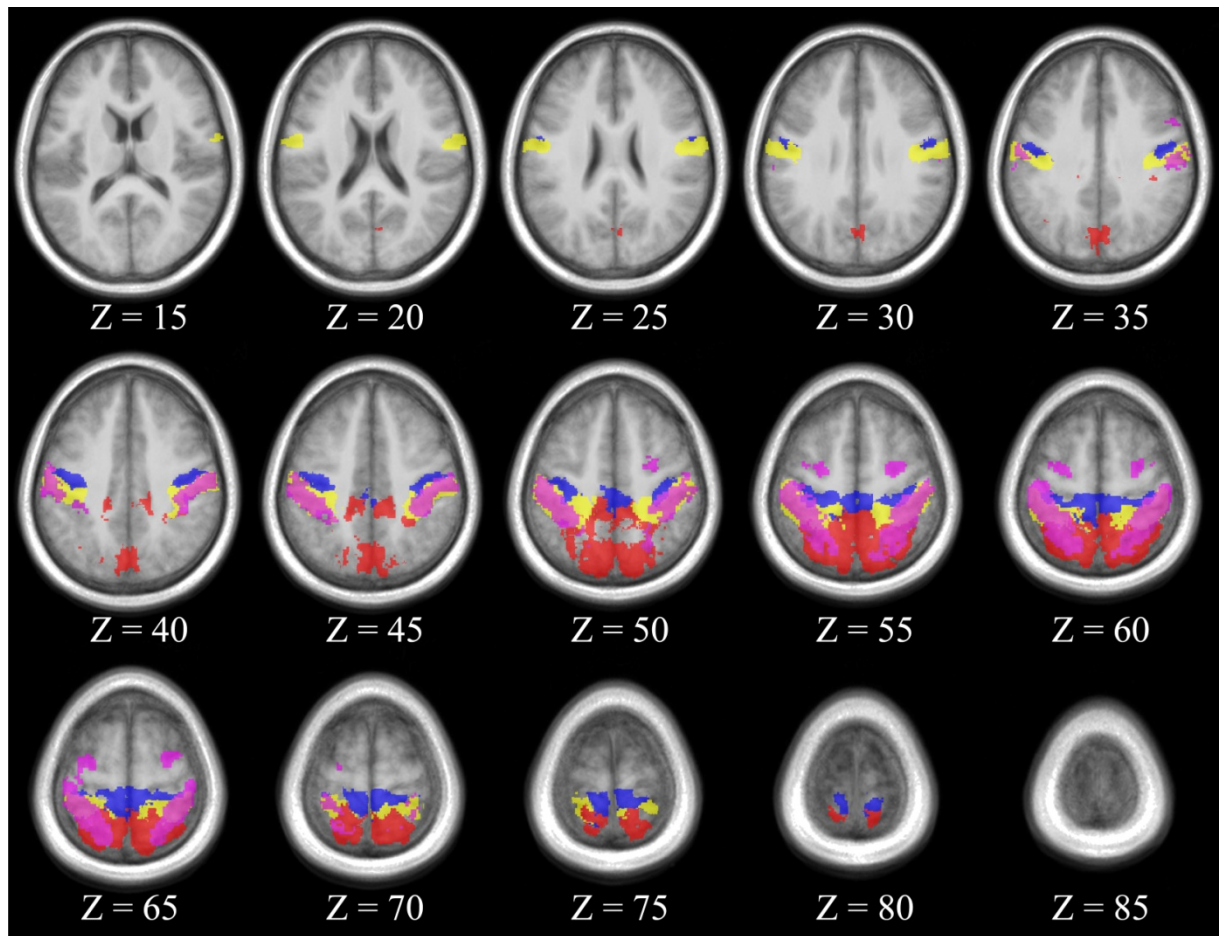


Fig. S3. Spatial map of the lateral S1–SPL–PMd network.

Lateral S1–SPL–PMd network: purple; M1: blue; S1: yellow; SPL: red. The scopes of M1, S1, and SPL were made by using the SPM Anatomy toolbox.

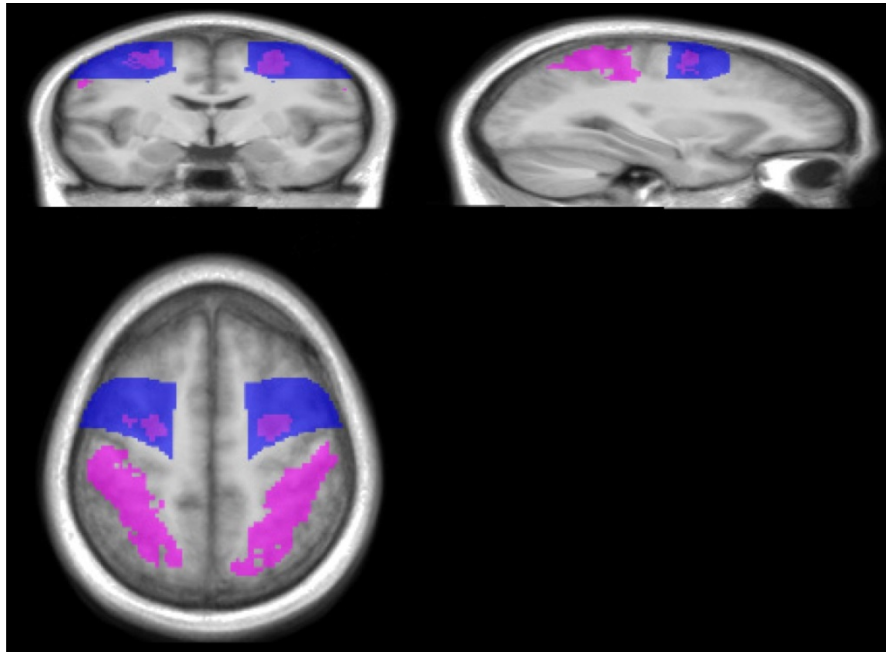


Fig. S4. Spatial relationship between lateral S1-SPL-PMd network and PMd.
Lateral S1-SPL-PMd network: purple; PMd: blue.

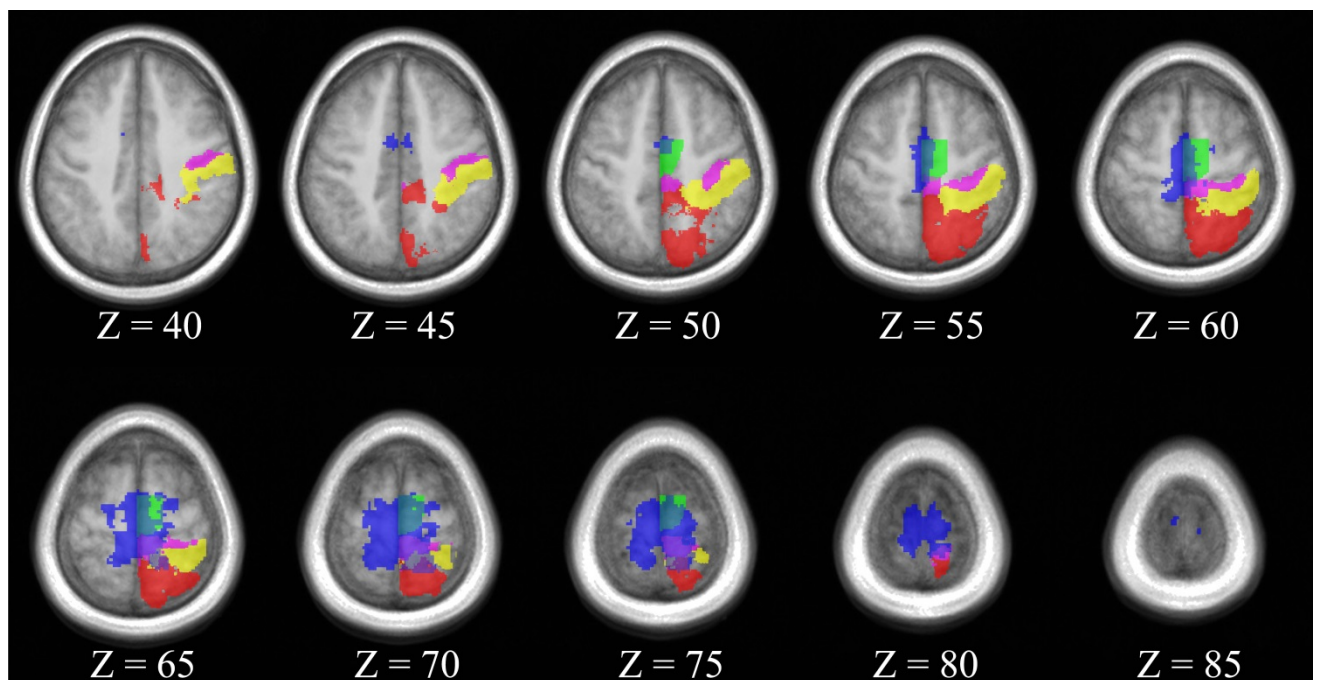


Fig. S5. Spatial map of the medial MIS1-SMA-PreM-SPL network.
Medial MIS1-SMA-PreM-SPL network: blue; right SPL: red; right S1: yellow; right M1: purple; right SMA: green. The scopes of SPL, S1, M1, and SMA were presented only unilaterally (on the right side) for clearly displaying the borders and scopes.

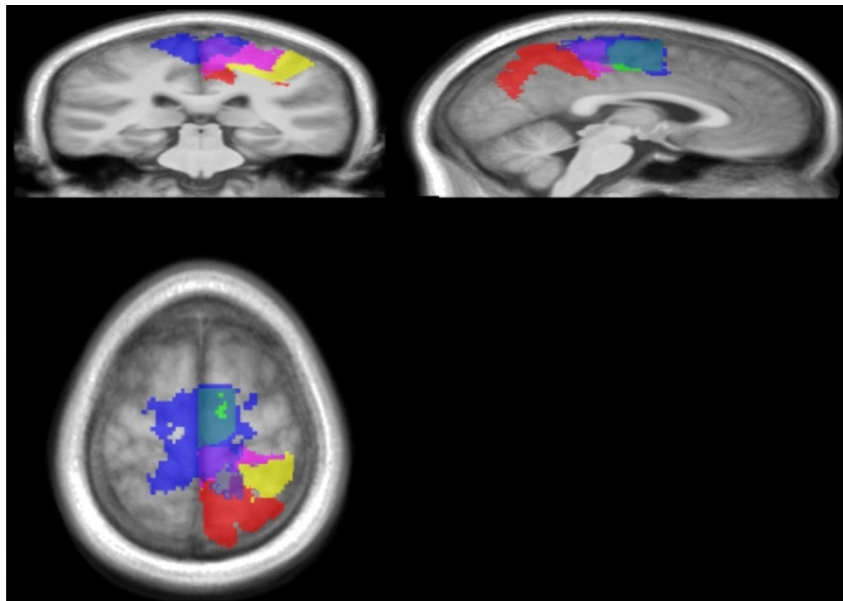


Fig. S6. Spatial relationship between medial M1S1-SMA-PreM-SPL and surrounding brain regions. The brain regions were indicated in the same colors as in Fig. S5.

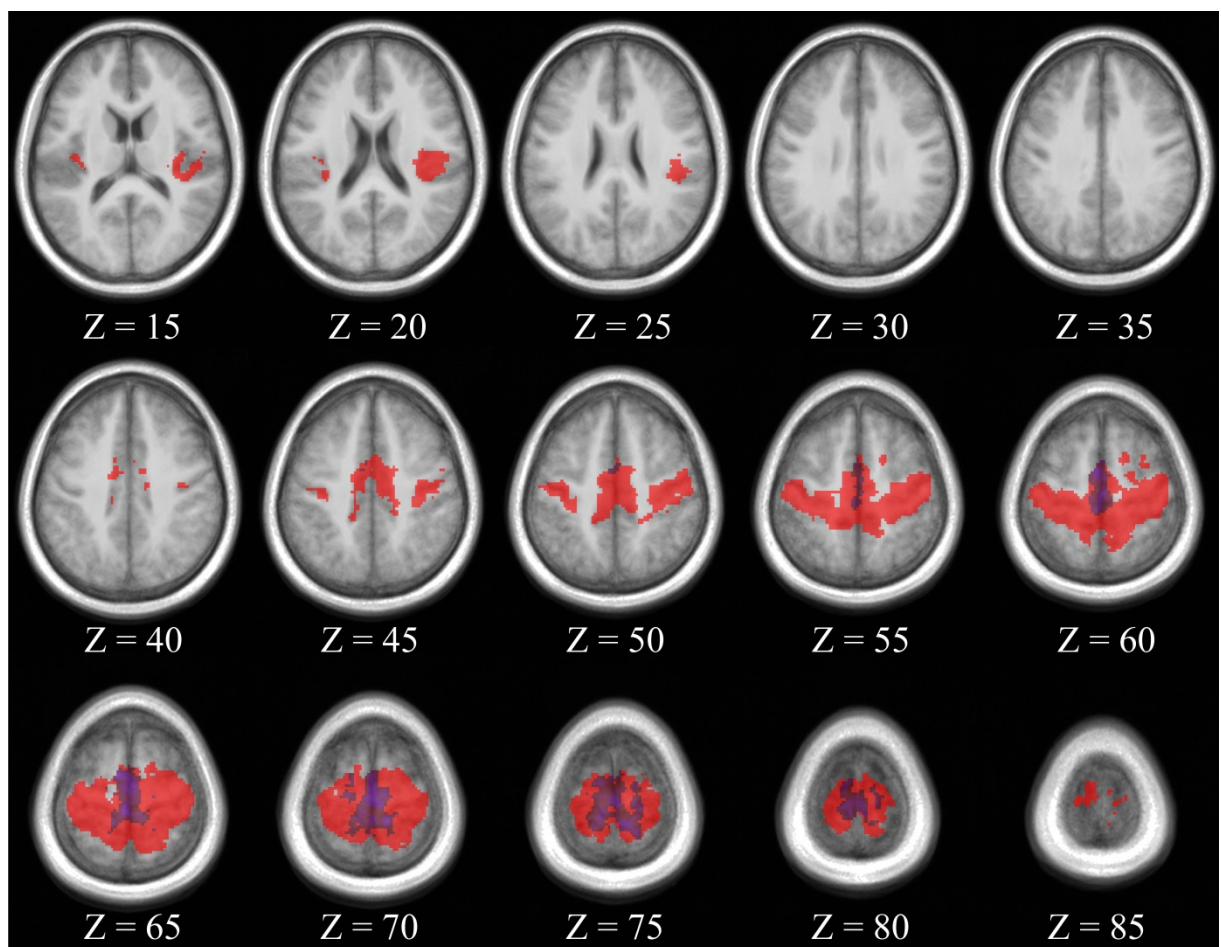


Fig. S7. Slices of medial M1S1-SMA-PreM-SPL network of resting-state and task conditions. The medial M1S1-SMA-PreM-SPL network in the resting state: red; the network of the common area of all task conditions: blue. The common area was acquired by using the inclusive masking function in

the SPM software at a primary threshold of $p < 0.001$ and then $p < 0.05$ FWE-corrected cluster extent provided by the SPM toolbox for the whole search volume.