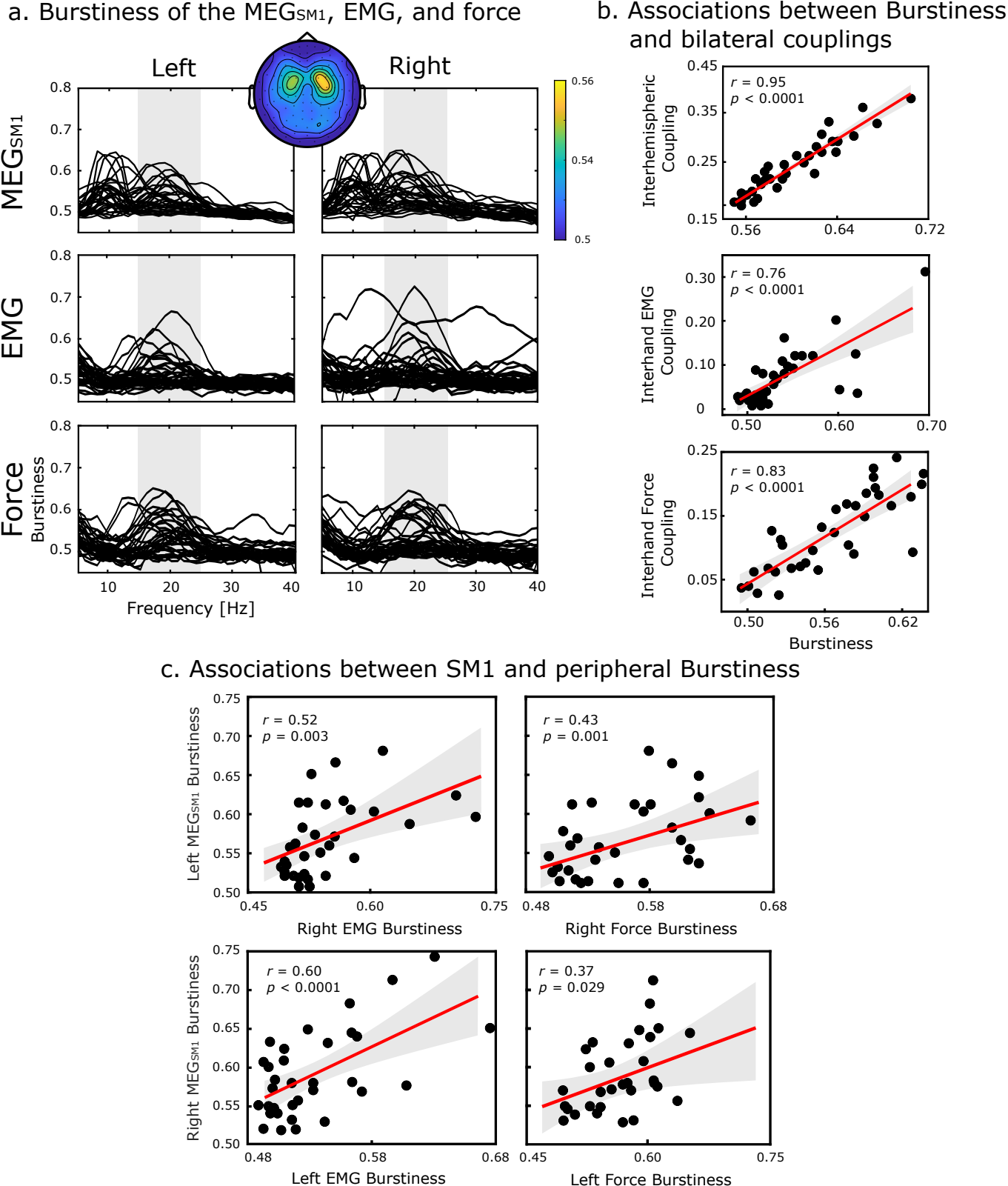
a. Burstiness of the MEGSM1, EMG, and force
Left
Right
MEGSM1
EMG
Force
Burstiness
0.8
0.7
0.6
0.5
0.56
0.54
0.5
10
20
30
40
Frequency [Hz]
b. Associations between Burstiness and bilateral couplings
Interhemispheric Coupling
r = 0.95
p < 0.0001
0.45
0.35
0.25
0.15
0.56
0.64
0.72
Interhand EMG Coupling
r = 0.76
p < 0.0001
0.30
0.20
0.10
0
0.50
0.60
0.70
Interhand Force Coupling
r = 0.83
p < 0.0001
0.25
0.15
0.05
0.50
0.56
0.62
Burstiness
c. Associations between SM1 and peripheral Burstiness
Left MEGSM1 Burstiness
r = 0.52
p = 0.003
0.75
0.70
0.65
0.60
0.55
0.50
0.45
0.60
0.75
Right EMG Burstiness
r = 0.43
p = 0.001
0.48
0.58
0.68
Right Force Burstiness
Right MEGSM1 Burstiness
r = 0.60
p < 0.0001
Left EMG Burstiness
r = 0.37
p = 0.029
Left Force Burstiness