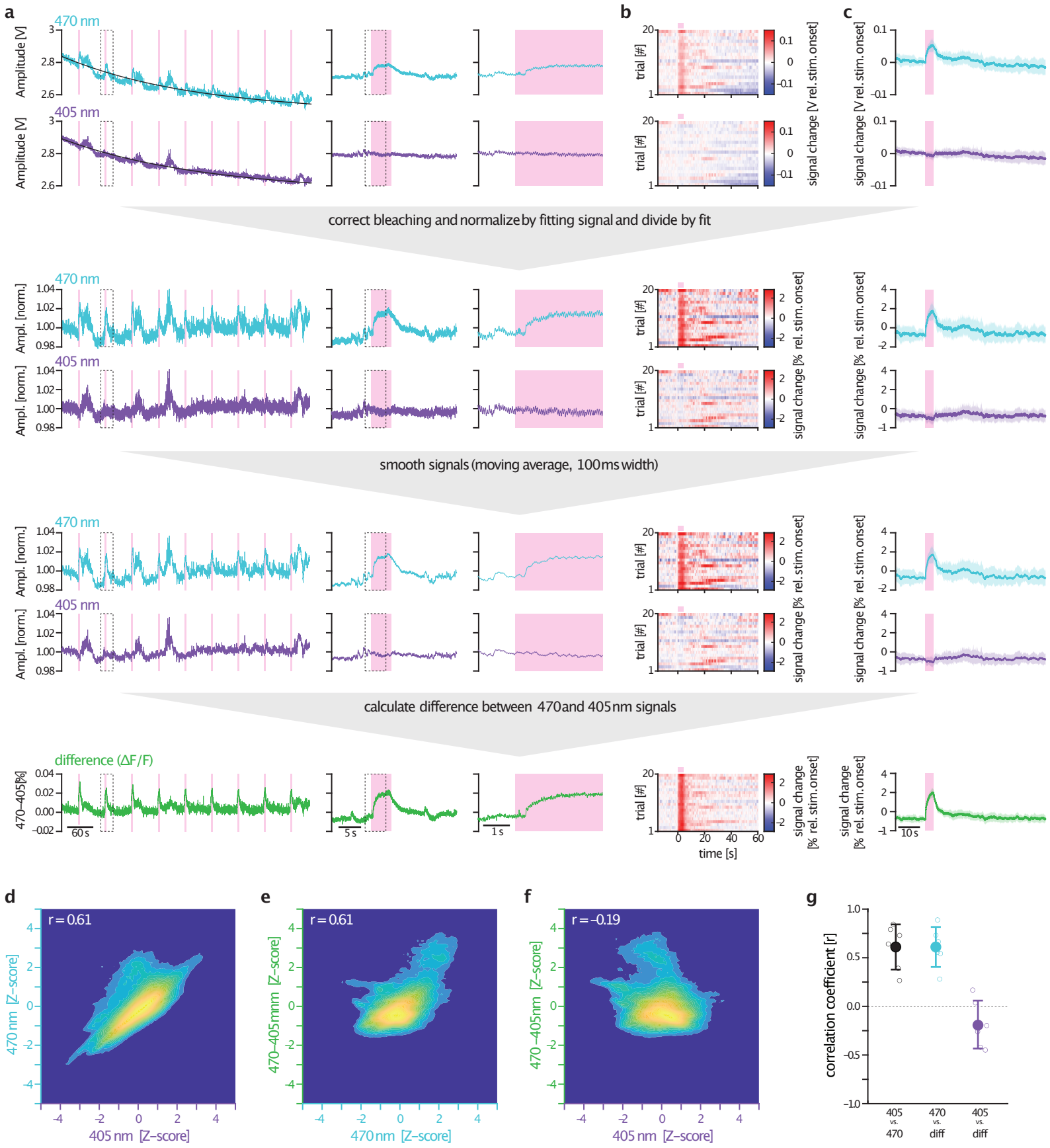
a
470 nm
405 nm
Amplitude [V]
b
trial [#]
signal change [V rel. stim. onset]
c
signal change [V rel. stim. onset]
correct bleaching and normalize by fitting signal and divide by fit
Ampl. [norm.]
signal change [% rel. stim. onset]
smooth signals (moving average, 100 ms width)
calculate difference between 470 and 405 nm signals
difference (ΔF/F)
470–405 [%]
signal change [% rel. stim. onset]
60 s
5 s
1 s
10 s
time [s]
d
r = 0.61
470 nm [Z-score]
405 nm [Z-score]
e
r = 0.61
470–405 nm [Z-score]
470 nm [Z-score]
f
r = –0.19
470 –405 nm [Z-score]
405 nm [Z-score]
g
correlation coefficient [r]
405 vs. 470
470 vs. diff
405 vs. diff