



**Page 81. Figure 6.** Nmax was a function of time which stood for those pixels that reached a maximal signal at a certain moment and its value on each pixel meant the time when maximal response occurred. (A) Nmax in control experiments without sciatic nerve stimulation, which stood for a baseline level of CBF activities embedded in all physiological and systemic noises (n=6). (B) Temporal maxima of CBF response to sciatic nerve stimulation. A time window ( $0.50 \pm 0.15 \sim 4.50 \pm 0.10$  s ) contained a double-peak,  $1.10 \pm 0.10$  s for the first peak and  $3.05 \pm 0.10$  s for the second (n=10). The bold black line represented a stimulus of 2 s duration.