## Predicted BOLD response of the Balloon-Windkessel model Layer 1 Strength of activity BOLD signal [%] 1.0 0.8 0.6 0.4 0.2 0.0 Neural activity **BOLD** signal 10 20 30 40 50 0 t [sec] Layer 2 Strength of activity BOLD signal [%] 1.0 0.8 0.6 0.4 0.2 0.0 Neural activity **BOLD** signal 20 30 40 50 10 0 t [sec] Layer 3 Strength of activity BOLD signal [%] 1.0 0.8 0.6 0.4 0.2 0.0 Neural activity **BOLD** signal 20 50 30 40 0 10 t [sec] Layer 4 Strength of activity BOLD signal [%] 1.0 0.8 0.6 0.4 0.2 0.0 Neural activity **BOLD** signal 30 20 40 50 0 10 t [sec]