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Fig. 10.7 Screenshot of the recording software Biograph. On the left: 2 channels raw EEG, SCPs, abdominal breathing extension (blue) and heart rate (red). On the right: Frequency spectrum of the 2 channels EEG, negativity-positivity slider, numbers of skin conductance level, finger temperature, heart rate, control lights for electrode, 50 Hz noise and EMG artifact. At the presented moment an EMG artifact is detected, therefore the light is red.

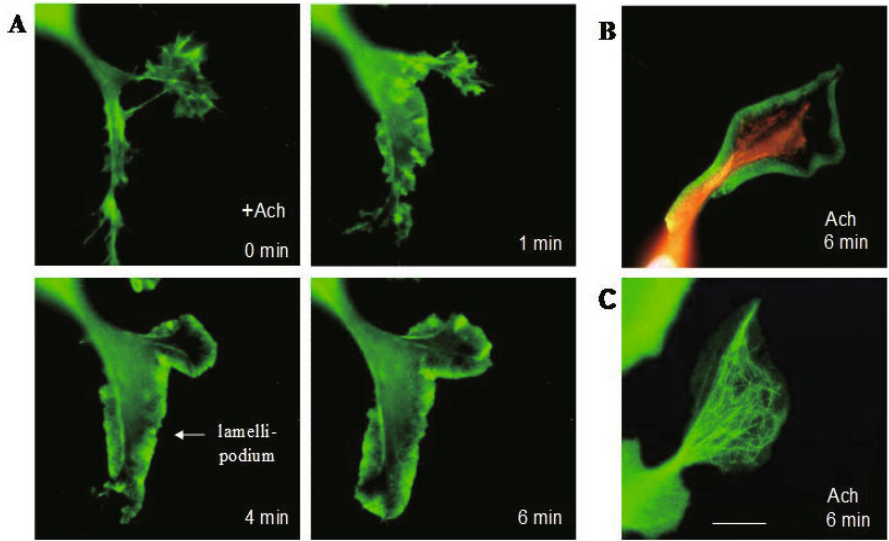


Fig. 11.1 Cholinergic induction of actin-driven lamellipodia in SH-SY5Y neuroblastoma cells: (a): fluorescence-live-imaging of a GFP-actin-expressing SH-SY5Y neuroblastoma cell, which is cholinergically (100 μ M Ach) stimulated to protrude an actin-driven lamellipodium (green); (b) double-labeling of a lamellipodium of a SH-SY5Y cell displaying a peripheral actin-filament meshwork (green) and myosin IIA (orange); (c) microtubules (green) have polymerized into a cholinergic induced lamellipodium. The bar in C corresponds to 10 μ m and relates to all individual images of the figure.