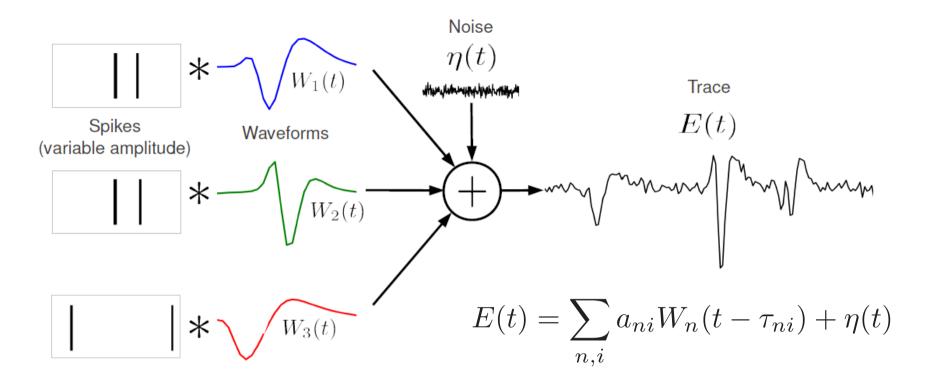
A blind deconvolution method for neural spike identification

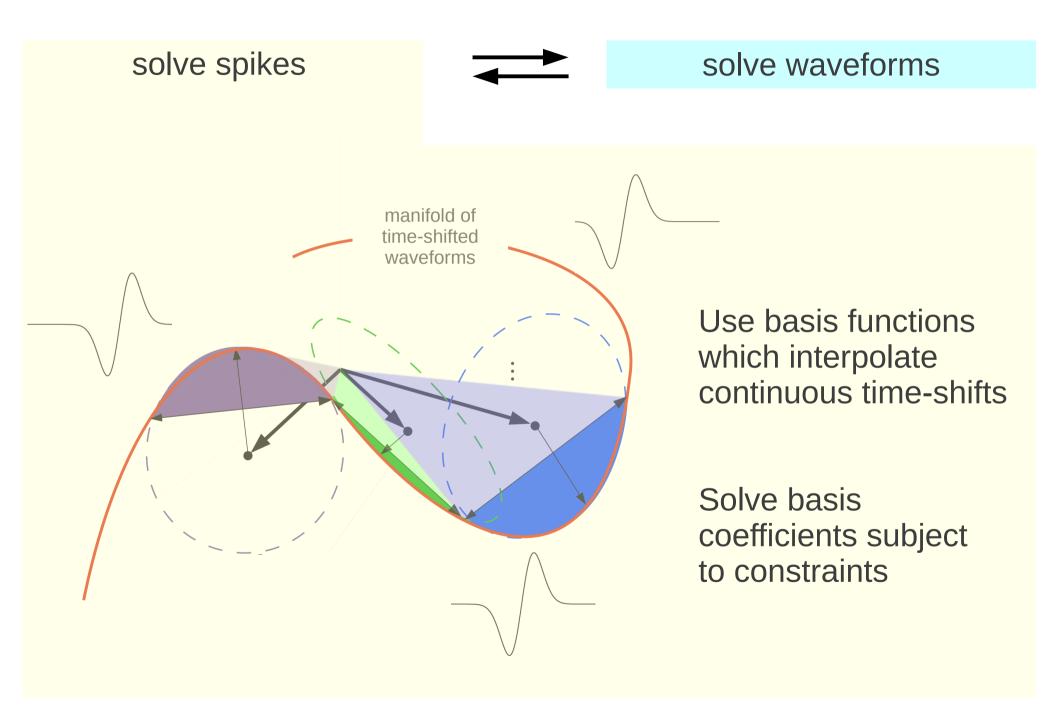
Chaitanya Ekanadham, Daniel Tranchina, Eero Simoncelli Courant Institute of mathematical sciences, NYU Spotlight presentation, NIPS 2011



observed signal pprox sparse linear combination of time-shifted waveforms radar, seismic signals, sounds, neural spikes



Objective: minimize (reconstruction error) + (sparsity)



Waveforms learned from real data (Harris 2000)

