

Corrigendum

Correction: Pfister and Gerstner (2006). Triplets of spikes in a model of spike timing-dependent plasticity.

In the article "Pfister, J.-P., and Gerstner, W. (2006). Triplets of spikes in a model of spike timing-dependent plasticity. *Journal of Neuroscience*, 26(38), 9673-82." one error has been discovered and has been corrected below. This corrections does not affect the interpretations and the conclusions of the paper.

Materials and Methods

On p 9675, under the paragraph *Pairing protocol*, the wrong number of pairings was assumed. The text should read:

Pairing protocol. This is similar to the classical STDP protocol (see Fig. 2A) (Markram et al., 1997; Bi and Poo, 1998, 2001; Zhang et al., 1998; Sjöström et al., 2001; Froemke and Dan, 2002). At $\rho = 0.1$ Hz, 50 pairs of presynaptic and postsynaptic spikes shifted by Δt are elicited. At higher frequencies (i.e. $\rho = 10, 20, 50$ Hz), 15 batches of 5 pairs of spikes were generated at frequency ρ giving a total of 75 pairs. The batch repetition frequency was 0.1 Hz. This protocol is described in Sjöström et al., 2001 on their page 1161. The interest of the study of Sjöström ...

Results

On p 9677, the first paragraph of the section entitled "Triplet learning rules can reproduce frequency effects" should read:

In this section, we study the pairing protocol used by Sjöström et al. (2001) in visual cortex (see the *pairing protocol* paragraph in Materials and Methods). As shown in Fig4A,...

In the second paragraph of the same section, the text should read:

"... a minimal triplet model with less parameters. We can easily drop both A_2^+ and A_3^- since their values are extremely small in both the All-to-All and Nearest-Spike interaction scheme (Table 3). Results with minimal triplet model show good agreement with experimental data (Fig. 5A) ..."

On p 9677, the corrected parameters of Table 3 should read:

Table 3. Visual cortex data set.

Model		A_2^+	A_3^+	A_2^-	A_3^-	τ_x [ms]	τ_y [ms]	E
All-to-	full	$2.63 \cdot 10^{-9}$	$1.81 \cdot 10^{-2}$	$6.69 \cdot 10^{-3}$	$2.29 \cdot 10^{-9}$	(391)	69	0.54
All	min.	-	$1.81 \cdot 10^{-2}$	$6.69 \cdot 10^{-3}$	-	-	69	0.54
Nearest-	full	$1.54 \cdot 10^{-10}$	$4.86 \cdot 10^{-2}$	$7.74 \cdot 10^{-3}$	$1.06 \cdot 10^{-9}$	(4260)	42	0.30
Spike	min.	-	$4.86 \cdot 10^{-2}$	$7.74 \cdot 10^{-3}$	-	-	42	0.30