Errata

Page 13, line 12
The sentence should be …compared to the case of…

Page 13, line 13
The sentence should be …The beads and cells studied in this thesis have a diameter ranging from…

Page 15, line 12
The sentence should be …has recently been presented, see Figure 2 [20].

Page 20, line 20
The sentence should be …consuming detection method but is chosen not to be described in this summary.

In paper V, page 10, figure 1 a)
The polarity of the applied electric field between the electrodes should be reversed.