

```
function finalROI = suppressbg_cs(data,threshold_bg)
    sz = size(data);
    x_len = sz(1);
    y_len = sz(2);
    for i = 1:x_len
        for j = 1:y_len
            if data(i,j) < threshold_bg
                data(i,j) = threshold_bg;
            end
        end
    end
    finalROI = data - threshold_bg;
end
```