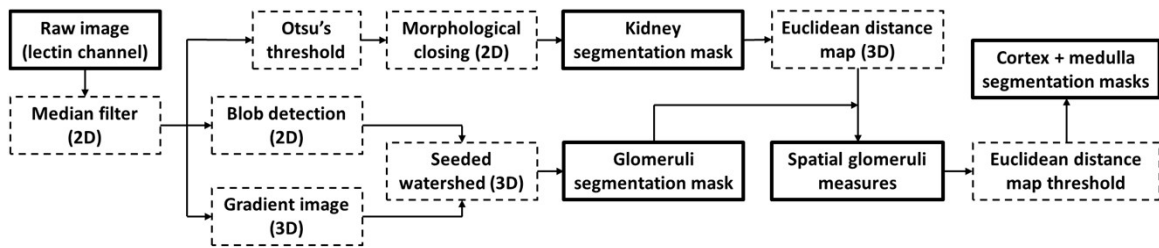**Supplementary figure 1: Illustration of the resolution achieved with LSFM.**
Zooming in on a glomeruli (squared box) it is possible to see the individual voxels.
The size of a voxel in this study was $3.77 \times 3.77 \times 10$ µm, giving a volume of 142.54
µm3 per voxel. In the control mice the median size of a glomerulus is 91400 µm3
which corresponds roughly to 650 voxels. The red line shows the glomeruli
segmentation.

Supplementary figure 1: Flow chart of the entire quantification pipeline. Solid box outlines lines denotes data input/output, whereas dashed box outlines denotes operations.

Supplementary figure 2