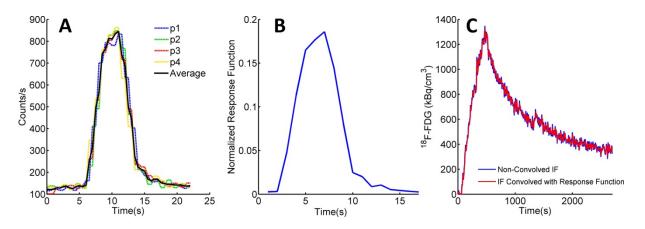


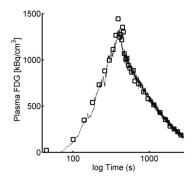
Supplemental Figure 1. PET/CT of a mouse head after application of 11 MBq FDG.

PET data were averaged from 0 to 45 min. The skull visible on CT (white) was used as an additional landmark in the delineation of the cerebrum VOI. Note the inhomogenous FDG uptake that could result in differences in CMR_{glc} depending on the choice of region of interest. Coronal and transversal sections.



Supplemental Figure 2. Dispersion measurements with the coincidence counter.

(A) Step-function responses of 5 s duration were measured and averaged. (B) Normalized (integral = 1) average response (NRF) to a 5sec-step function simulating the response function to an input. (C) Convolution of an experimental IF with the NRF did not result in major deviations from the experimental IF. The experimental IF was used as a surrogate for an IF without dispersion here.



Supplemental Figure 3. Image-derived input function (squares) and counter input function (line) from Figure 2 with logarithmic time scale.