

Movie S1. Tomographic reconstruction and 3D model of an endothelial tight junction in the MPOA of intact male mice.

Movie S2. Tomographic reconstruction and 3D model of an endothelial tight junction in the MPOA of castrated male mice.

Figure S3: Depletion of gonadal testosterone induced IgG extravasation and glial activation in the mouse cortex.

Representative images of co-immuno-detection of circulating IgG (red) and Iba-1 (green) in the neocortex of intact (left panel) and castrated mice (right panel). Scale bar= 40 μ m. **L:** lumen

Endogenous IgG are observed in the capillary wall and associated with microglial cells in the cerebral parenchyma of perfused-castrated mice (right panel), whereas low labelling is detected in perfused-intact mice (left panel).

Supplementary Information - Figure S3

