

Figure S1. Increased CD11b cells in $LT\beta^{-/-}$ mouse tracheas following infection with *M. pulmonis*. LYVE-1⁺ positive lymphatic vessels (red) and CD11b⁺ positive infiltrates (green) in the tracheas of mice infected with *M. pulmonis*. Scale bar is 200 μm .

Figure S2. Absence of increased lymphangiogenesis in $TNFR1^{-/-}$ mouse skin following the induction of inflammation. Fluorescent microscopy of the site of immunization with ovalbumin and CFA after nanoparticle injection reveals no lymphatic vessel networks in proximity to the immunization depot site in $TNFR1^{-/-}$ mice. Black blood vessels are apparent and even more obvious after immunization. Lymphatic vessels would be bright green (See Fig. 4). Representative images of 2 or 3 mice per time point from two separate experiments (13 mice total).

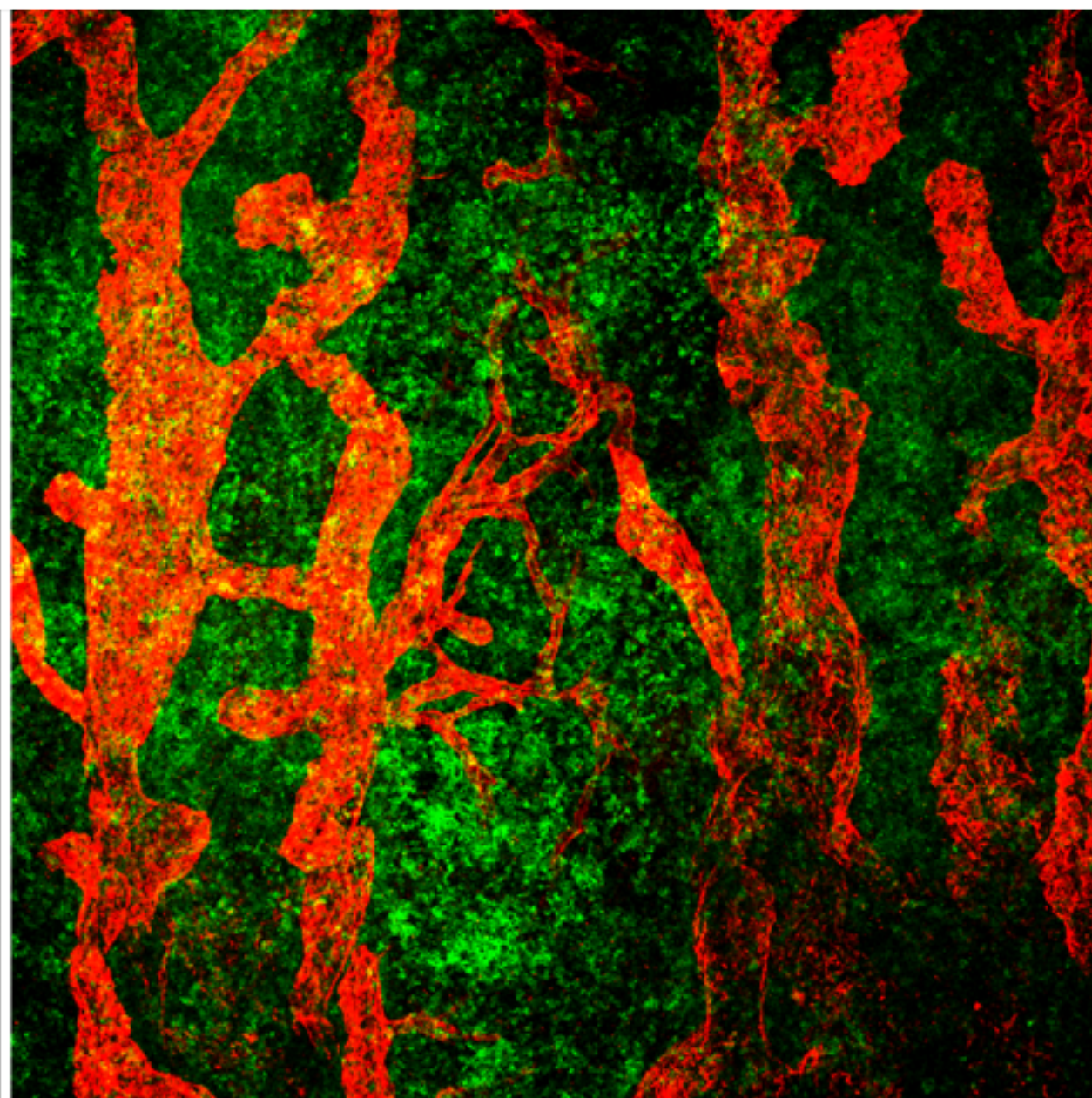
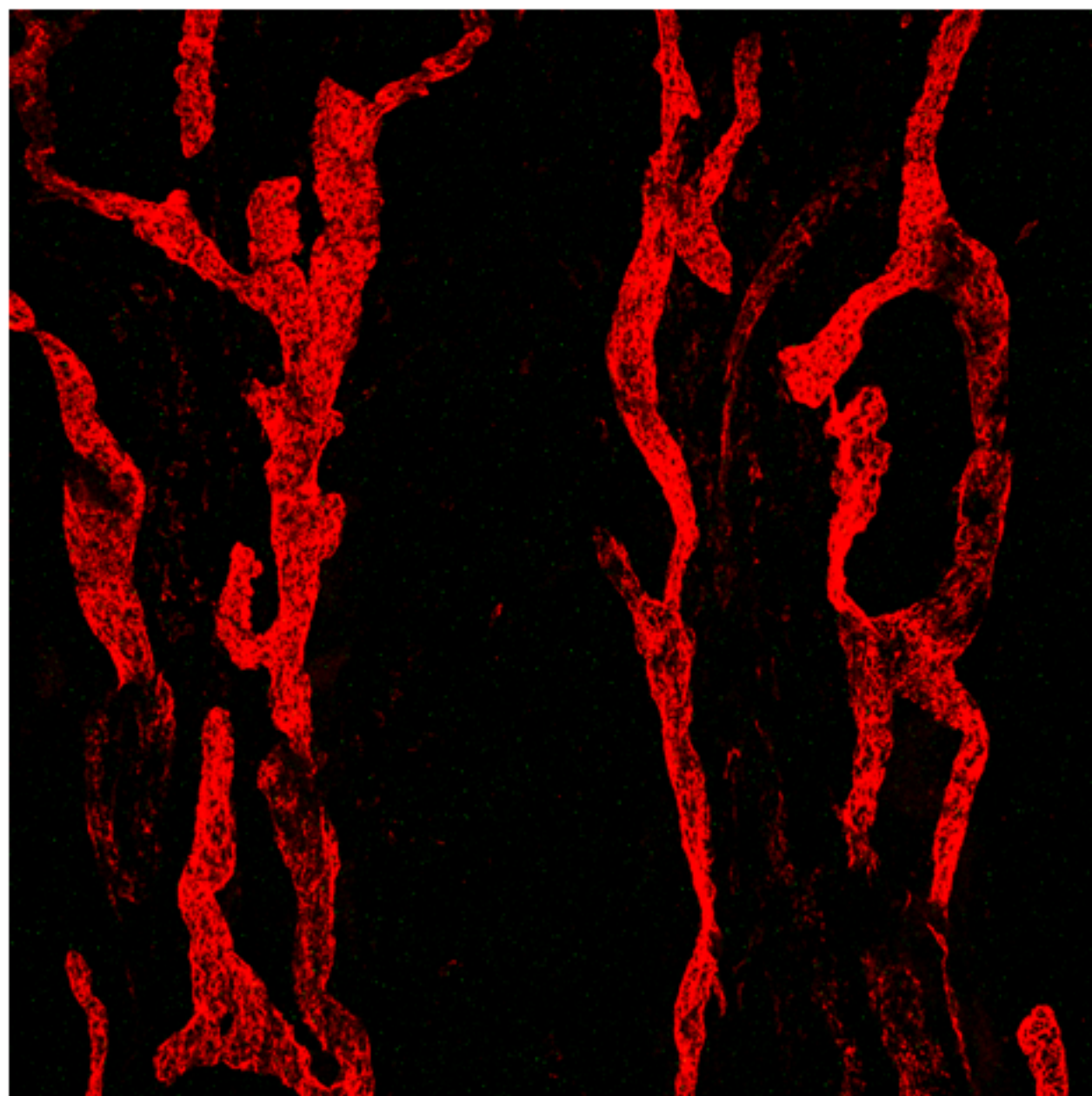
Figure S3. $LT\alpha$, $LT\beta$, and $TNF\alpha$ mRNAs at the site of immunization in the skin at day 7. WT mice express $LT\alpha$, $LT\beta$ and $TNF\alpha$ mRNA in the skin, spleen and peripheral lymph node (PLN). $LT\alpha^{-/-}$ mice had no detectable $LT\alpha$ mRNA in the skin or spleen as expected, but demonstrated $LT\beta$ and $TNF\alpha$ mRNA expression in these organs. $LT\beta^{-/-}$ mice expressed $TNF\alpha$ and $LT\alpha$ mRNA in the skin and mesenteric lymph node (MLN). $LT\alpha$ mRNA is 485 bp; partially spliced is 709 bp; $LT\beta$ mRNA is 640bp; TNF mRNA is 700bp.

Figure Supplement 1

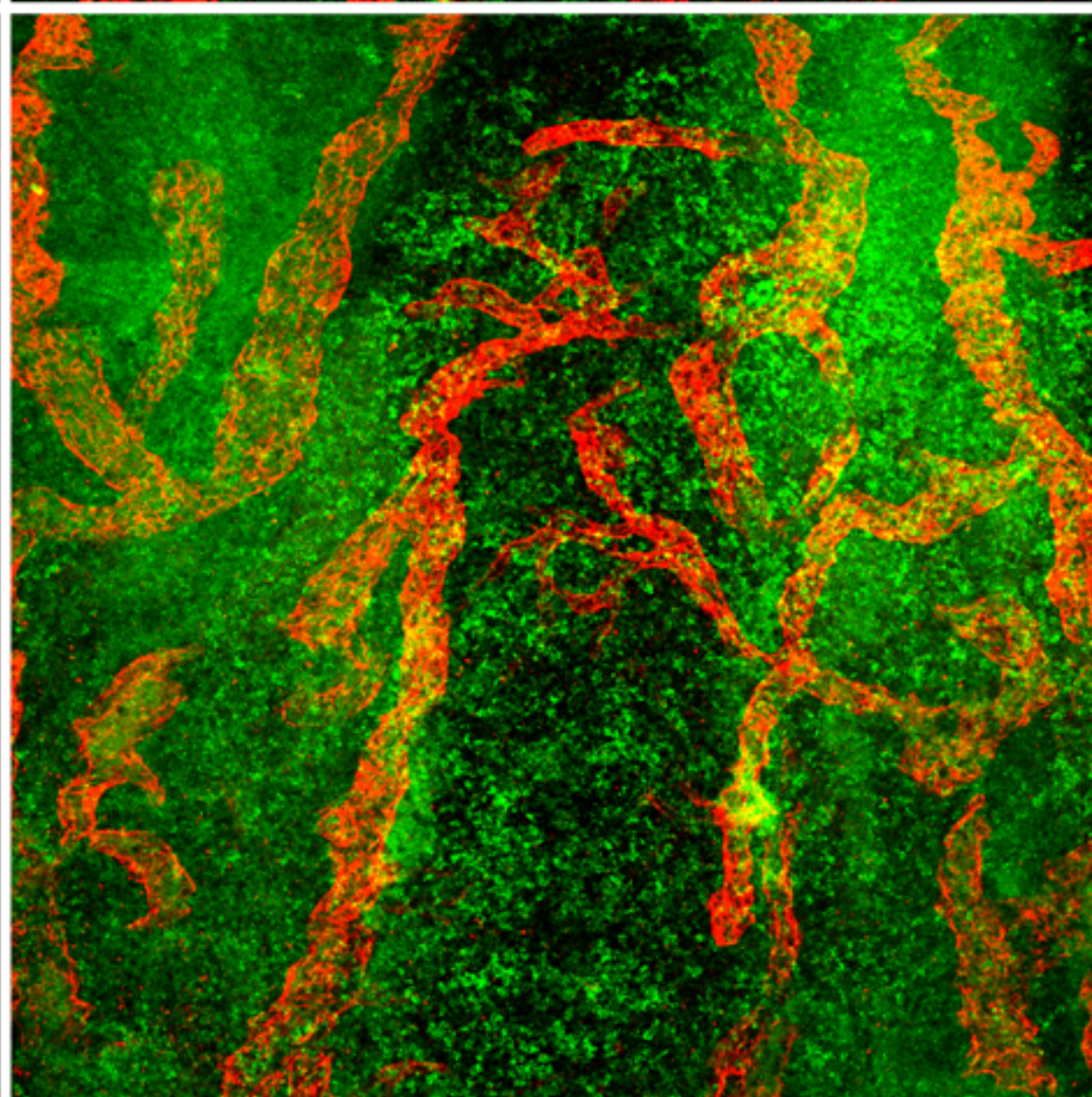
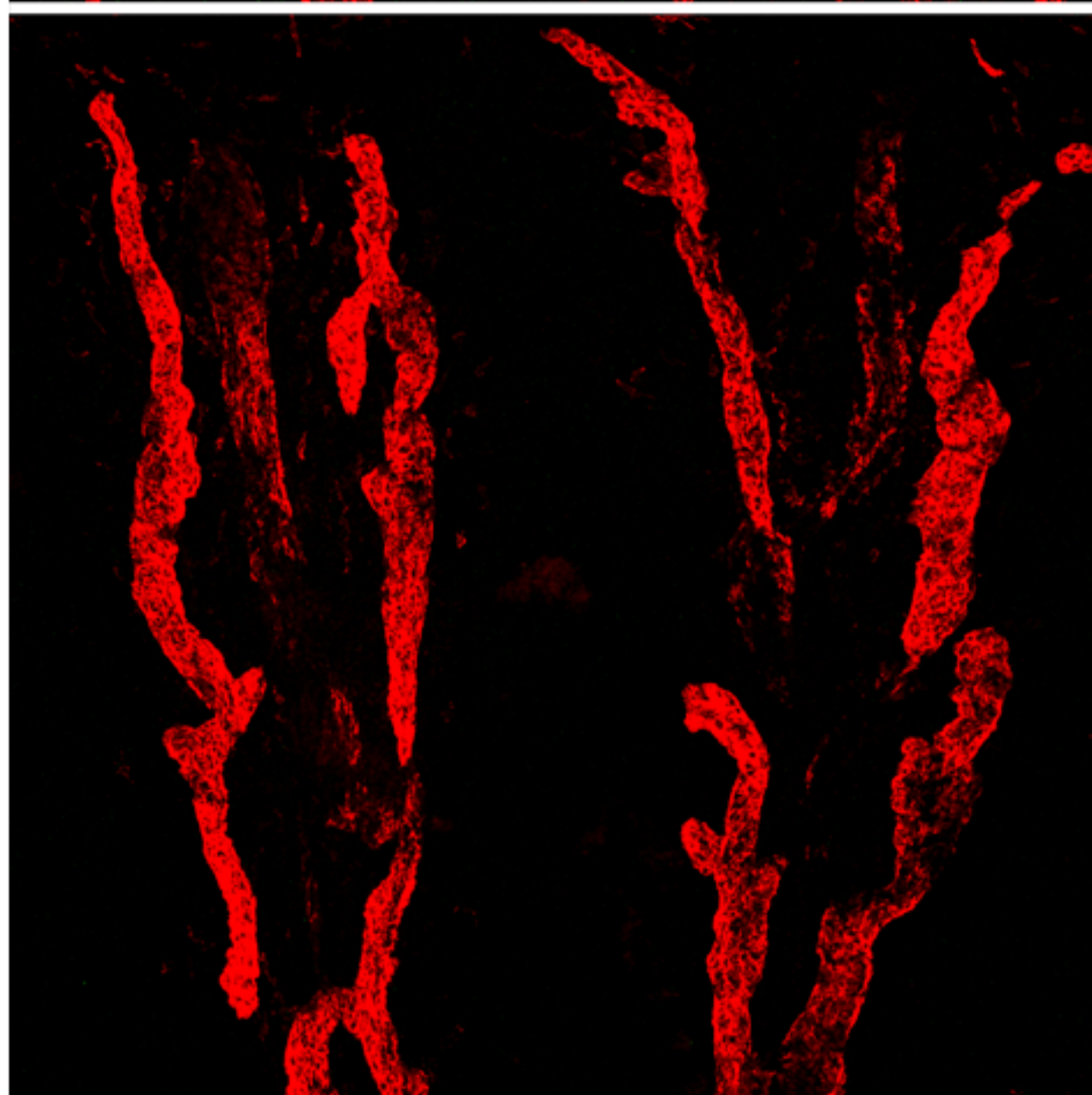
Pathogen-free

Infected

WT



LT α ^{-/-}



LT β ^{-/-}

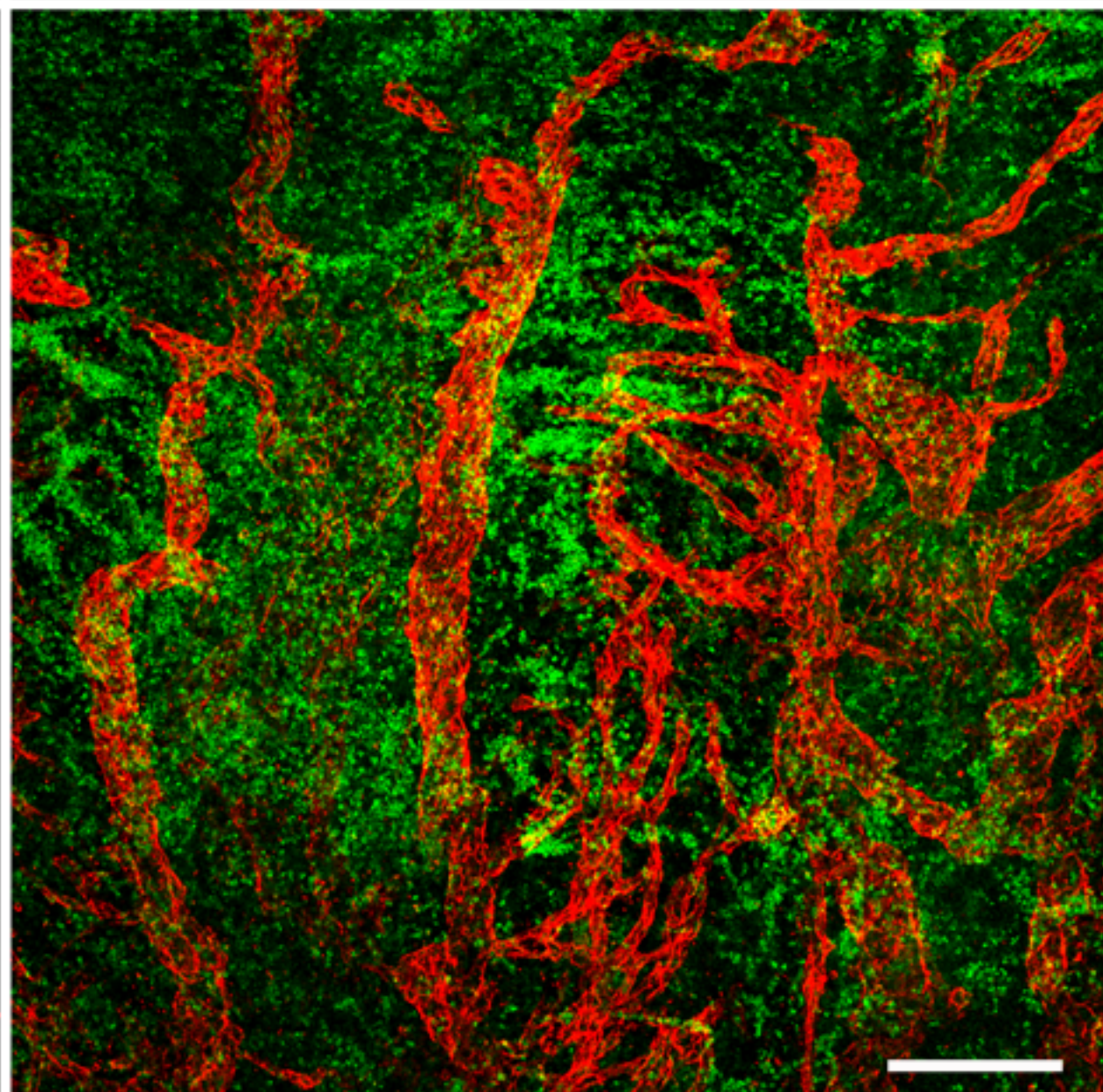
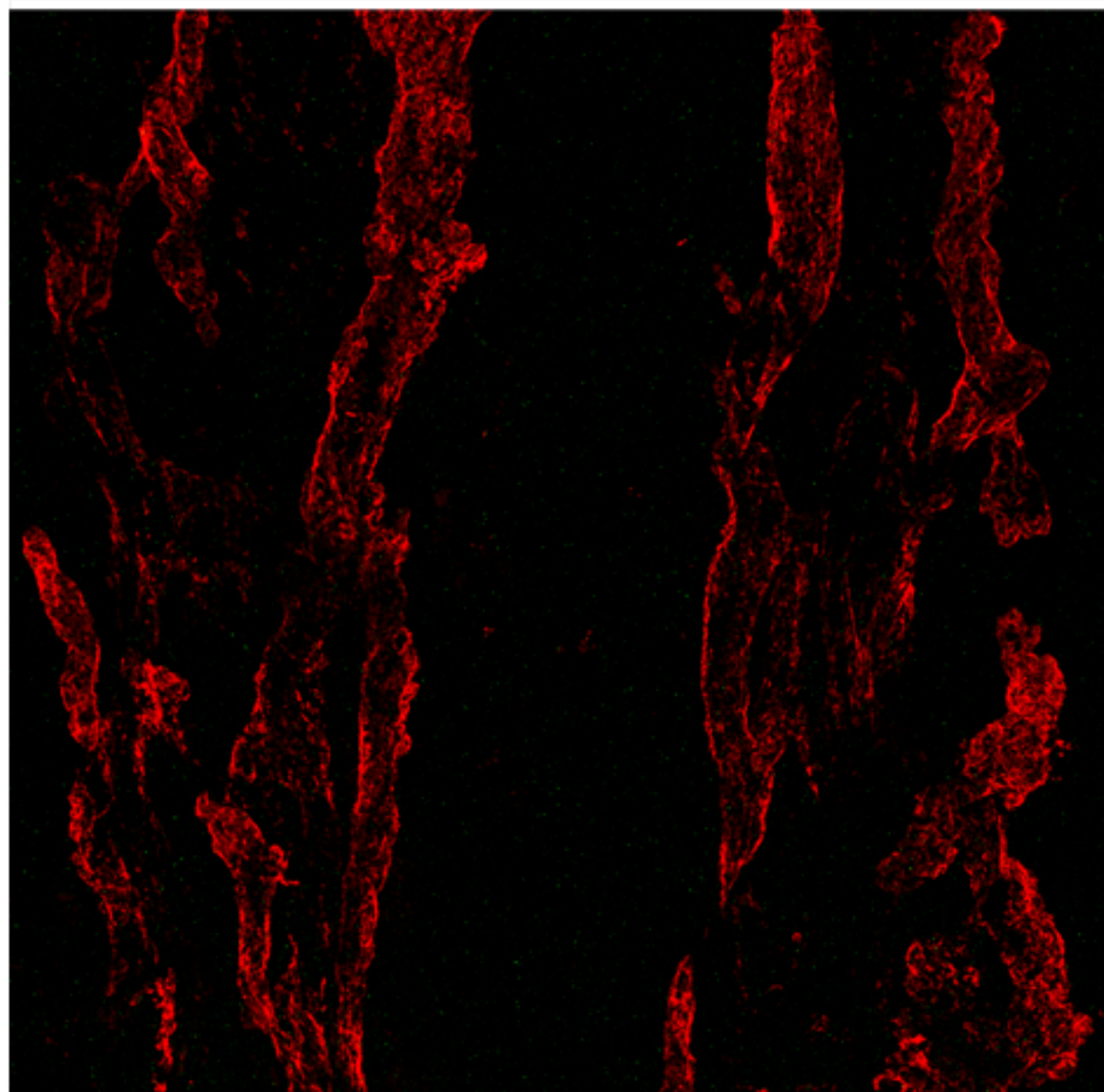
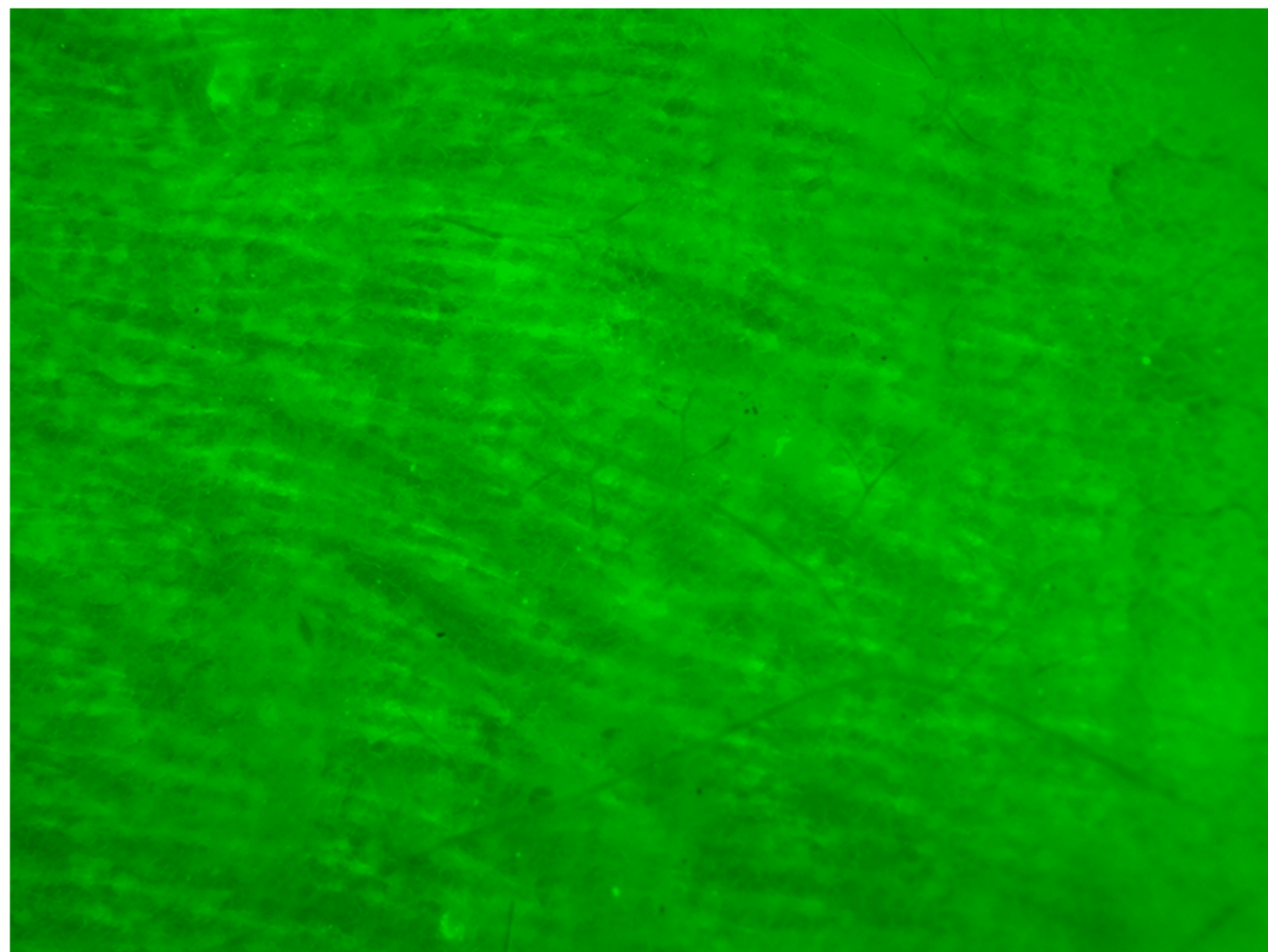
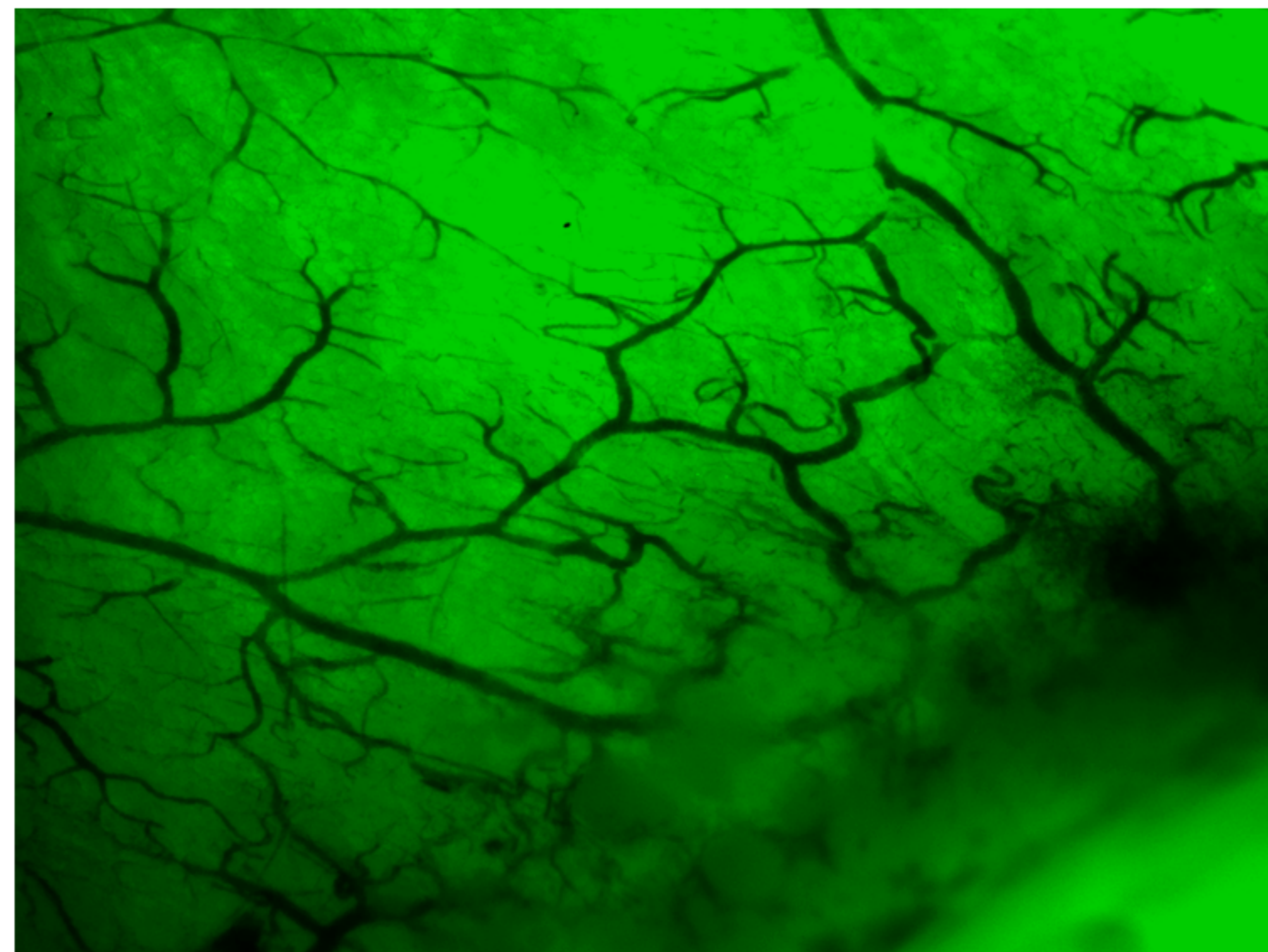


Figure Supplement 2.

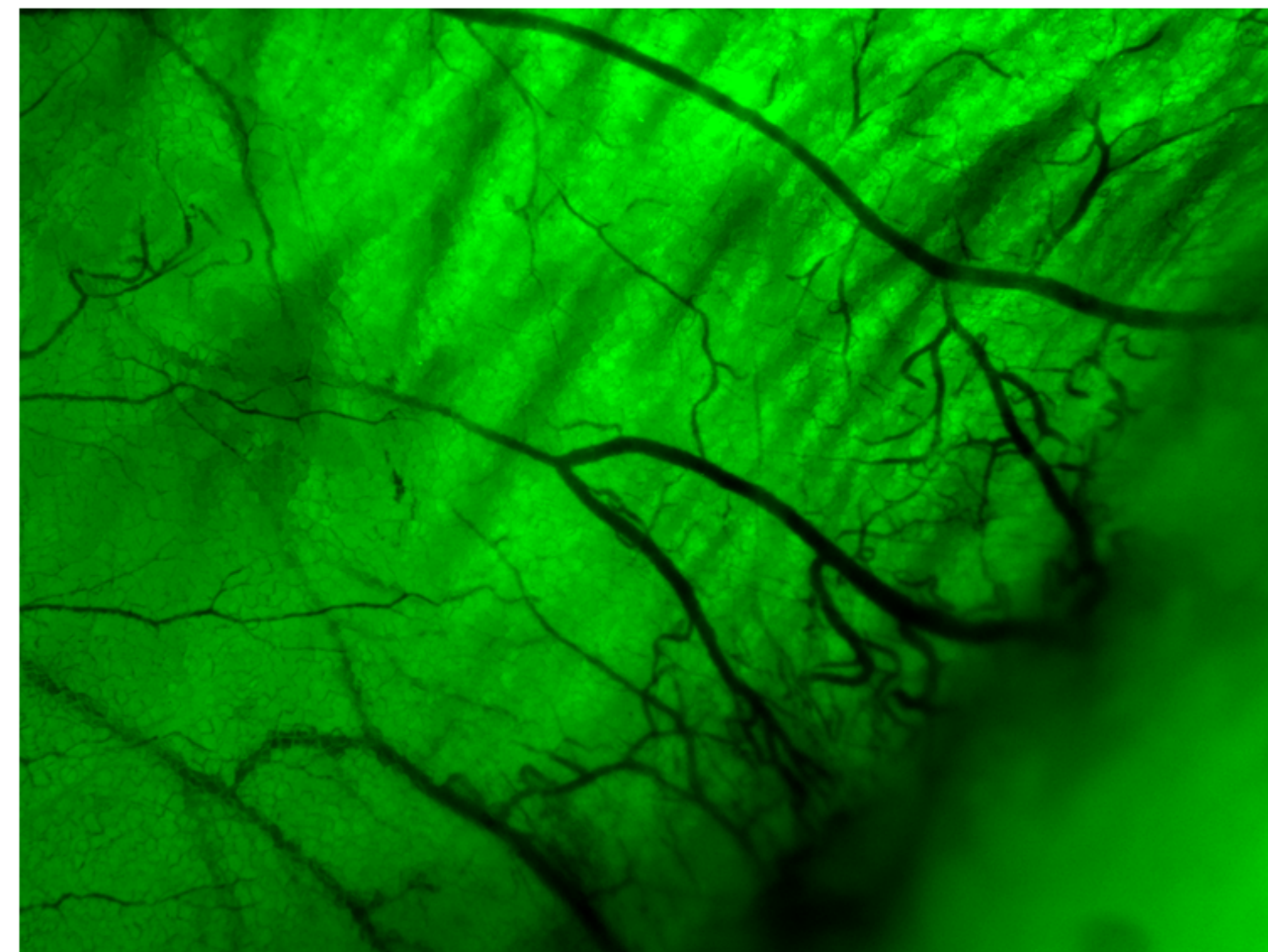
TNFR1^{-/-}



day 0



day 7



day 14

Figure Supplement 3

Mouse:

Wild Type

LT α ^{-/-}

LT β ^{-/-}

Probe:

LT α

LT β

TNF α

LT α

LT β

TNF α

LT α

LT β

TNF α

Tissue:

Skin

PLN

Spleen

Skin

PLN

Spleen

Skin

PLN

Spleen

Skin

Spleen

Skin

Spleen

Skin

Spleen

Skin

MLN

Skin

MLN

Skin

MLN

1 Kb Plus

700 bp -

640 bp -

485 bp -

- 850 bp

- 650 bp

- 500 bp

- 400 bp

