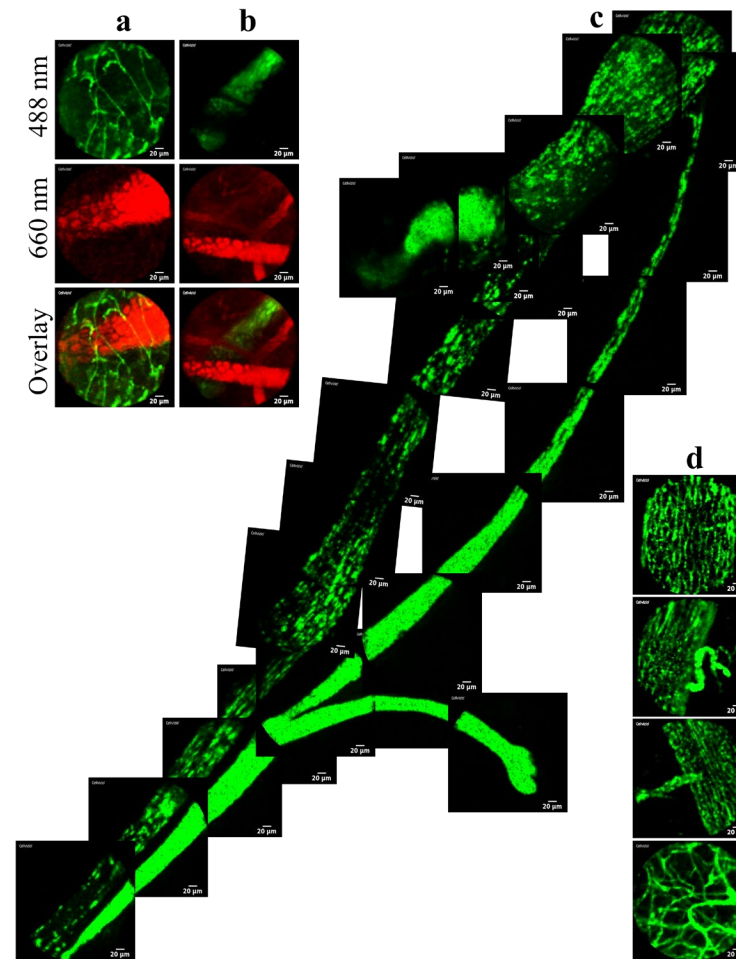
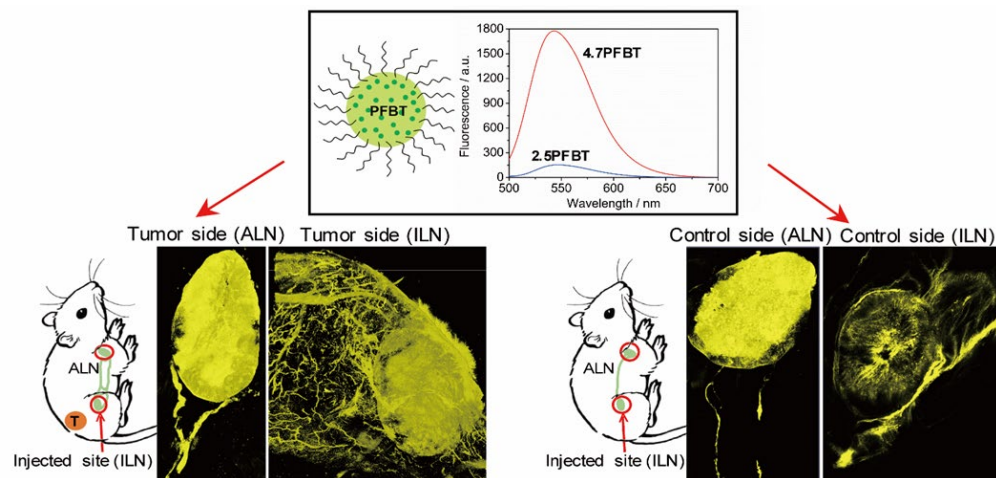


High resolution imaging the structure and function of the lymphatic system in vivo using new upconversion and polymer nanoparticles

Visualization of the lymphatic system are clinically necessary during diagnosis or treatment of many conditions and diseases.

In this project, we will use upconversion and polymer nanoparticles as novel nanoprobe for real-time high resolution visualization of lymphatic system combined with multi-modal and multi-scale imaging.

The results of this study will enable high resolution whole body phenotyping of lymphatics in cancer metastasis, development and disease models in small animals.



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