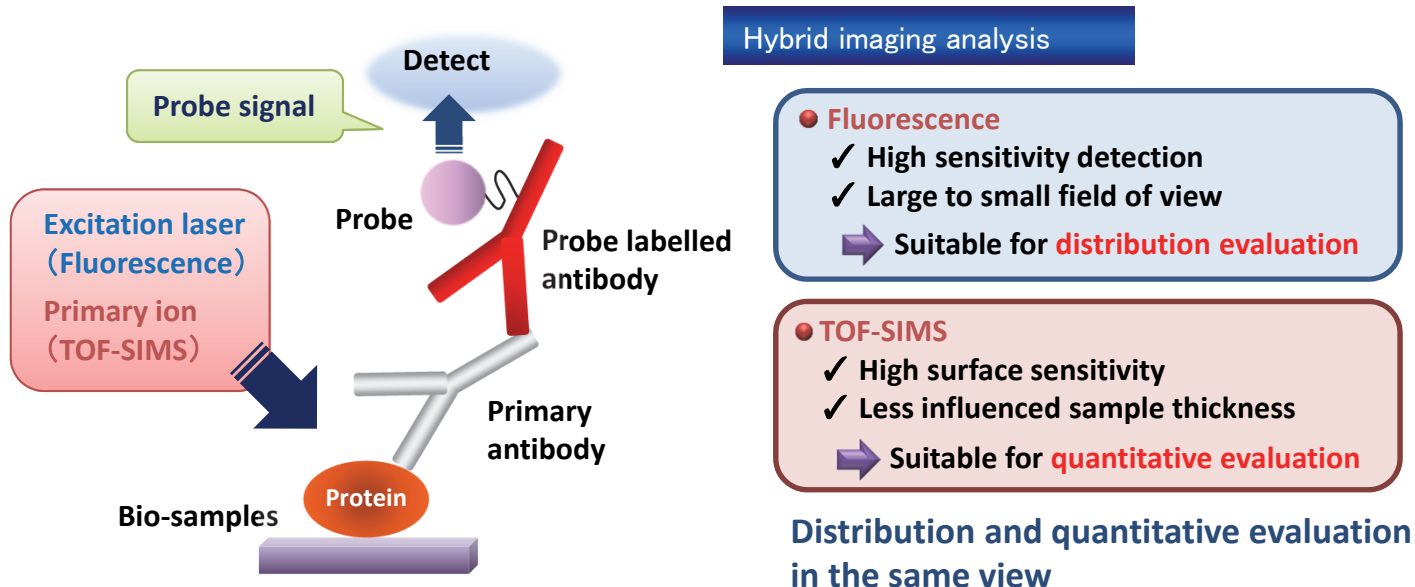
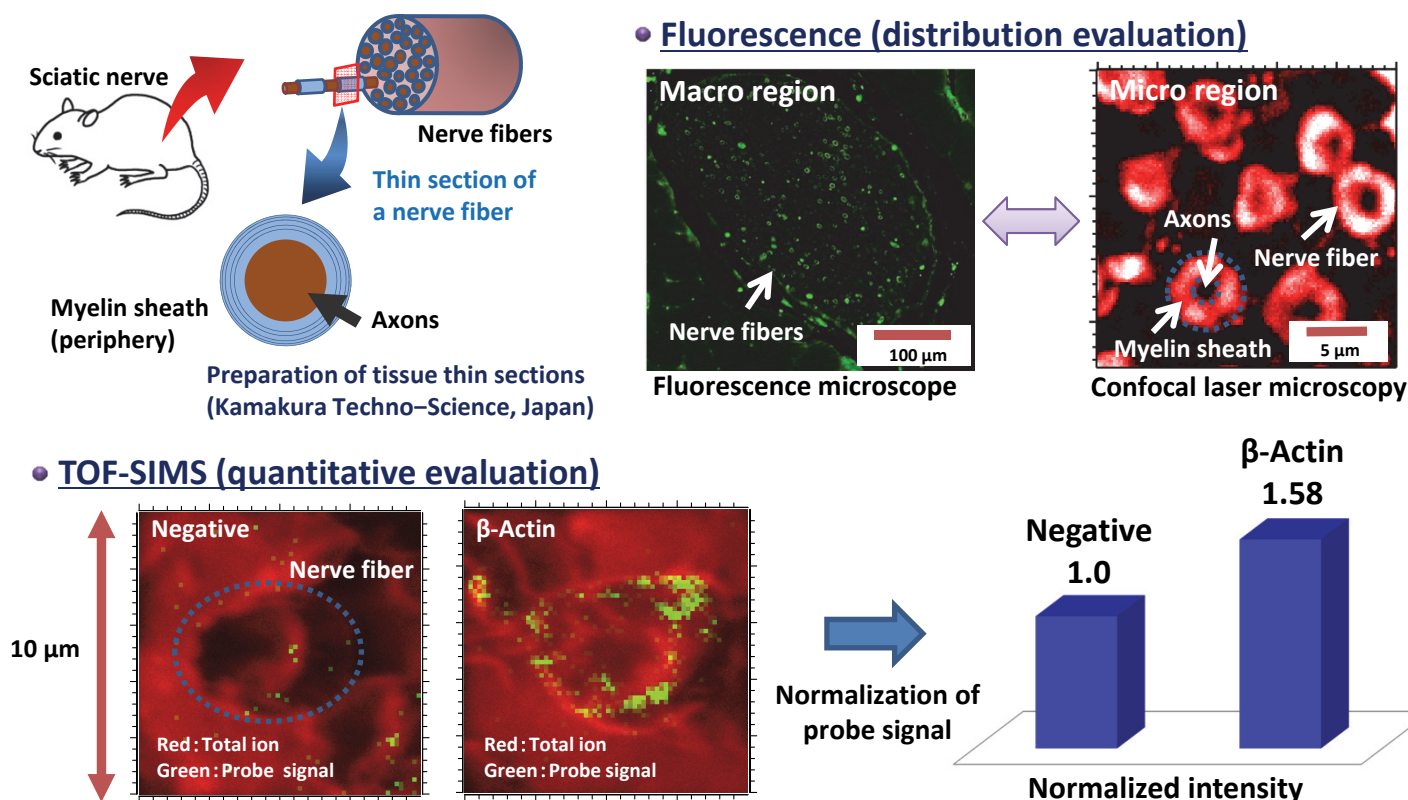


Hybrid fluorescence / TOF-SIMS imaging of bio-samples using noble probe immunostaining method

TRC synthesizes a noble probe which is both compatible for fluorescence and TOF-SIMS analysis. Combining with an immunostaining method, we perform hybrid fluorescence/TOF-SIMS imaging of antigen proteins in mouse nerve fibers in a quantitative manner.



Analysis of model protein (β -Actin) in mouse nerve fibers



This method can be applicable to distribution / quantitative evaluation of efficacy and disease marker at the biological tissue level