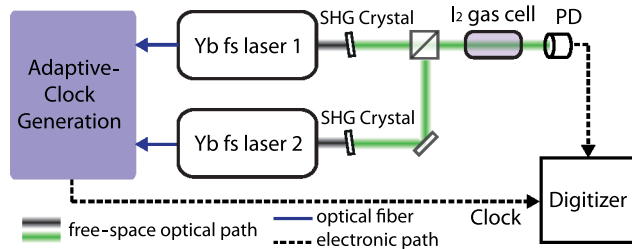
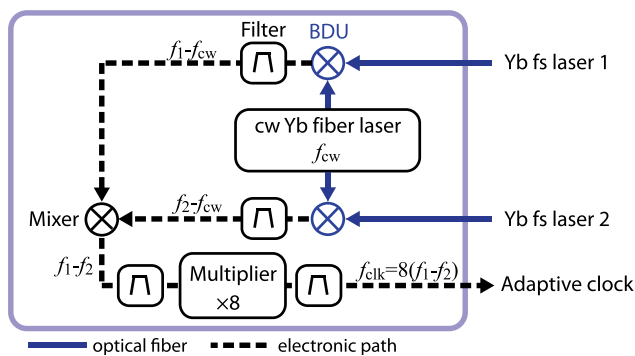


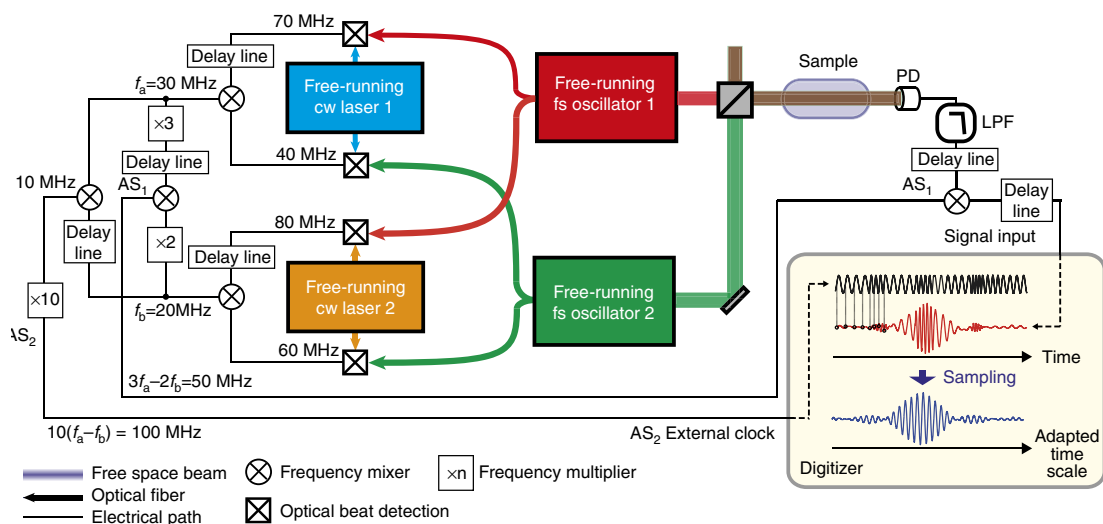
### 1. Adaptive Clock for Sampling



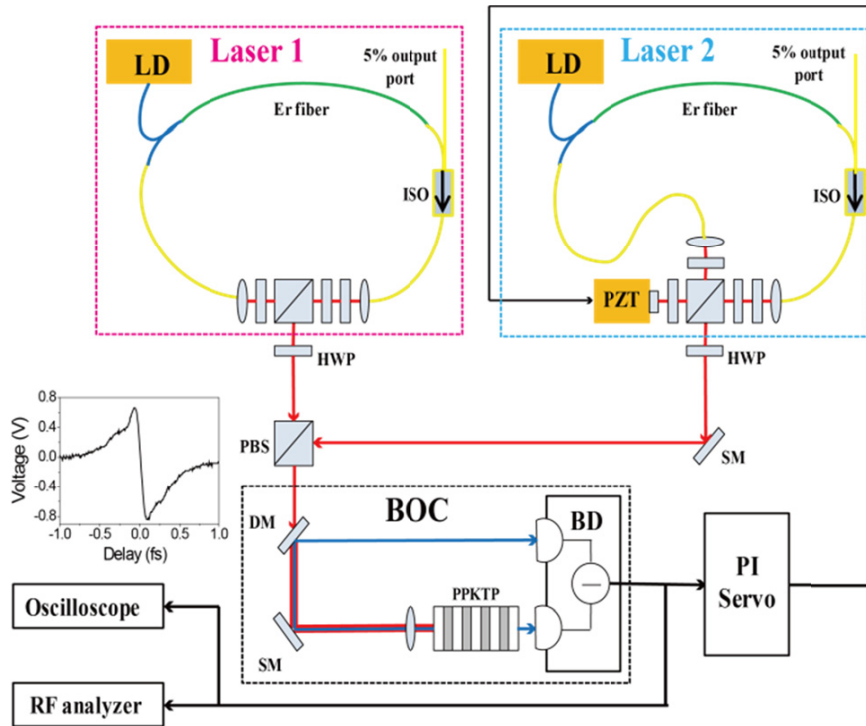
Basic setup for adaptive dual-comb spectroscopy (Ideguchi et al., *Optics Letters*, **37**(3), 2012)



Adaptive clock generation scheme (Ideguchi et al., *Optics Letters*, **37**(3), 2012)

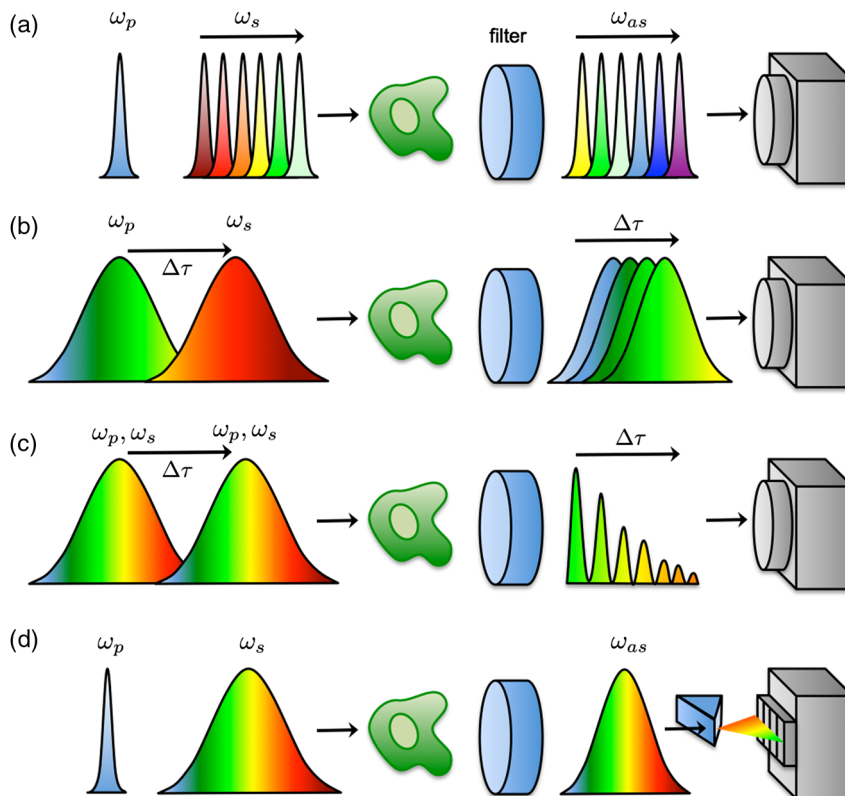


Adaptive dual-comb spectroscopy (Ideguchi et al., *Nature Communications*, **5**, 2014)

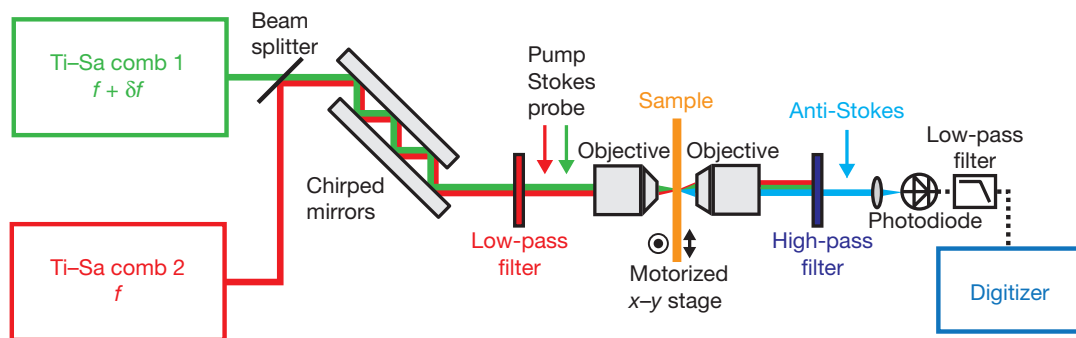


Timing jitter reduction mechanism for fiber laser  
(Kim et al., *Proceedings of FEL2011, FROA3*, 2011)

## 2. Development of CRS/multimodal microscopy system using femtosecond laser

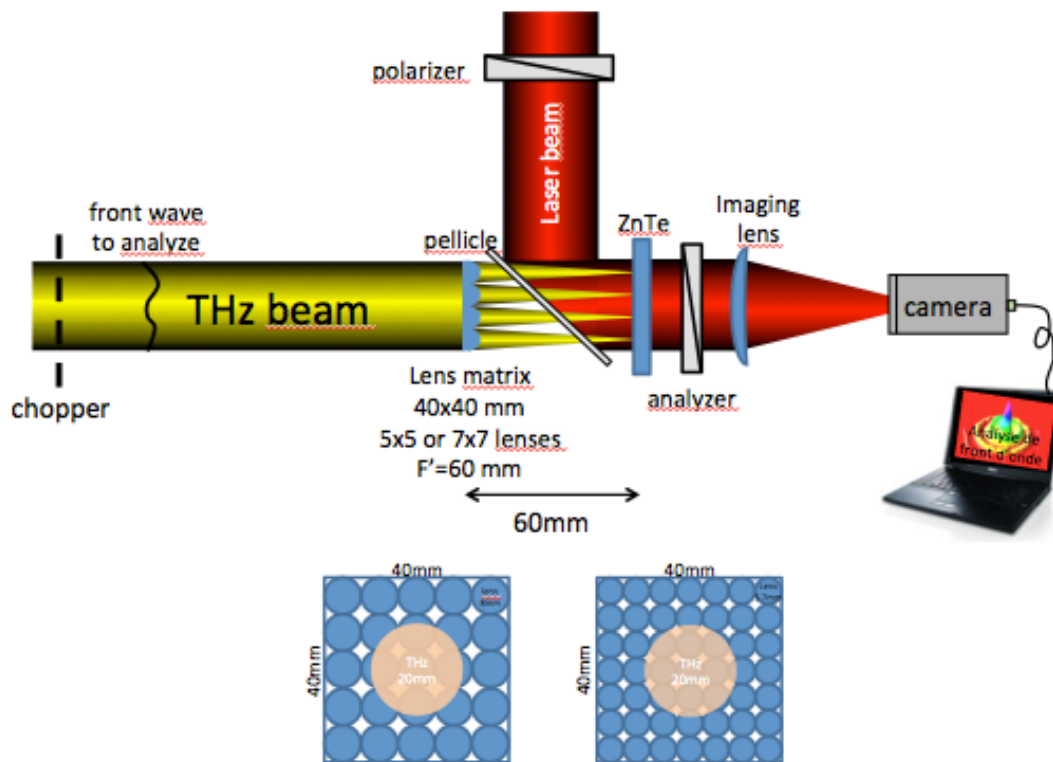


Common excitation method for CRS microscopy  
(Alfonso-Garcia, *JBO*, **19**(7), 2014)



Dual-comb CARS microspectroscopy setup (Ideguchi et al., *Nature*, **502**, 2013)

### 3. Analysis of THz wavefront



Setup for analysis of wavefront