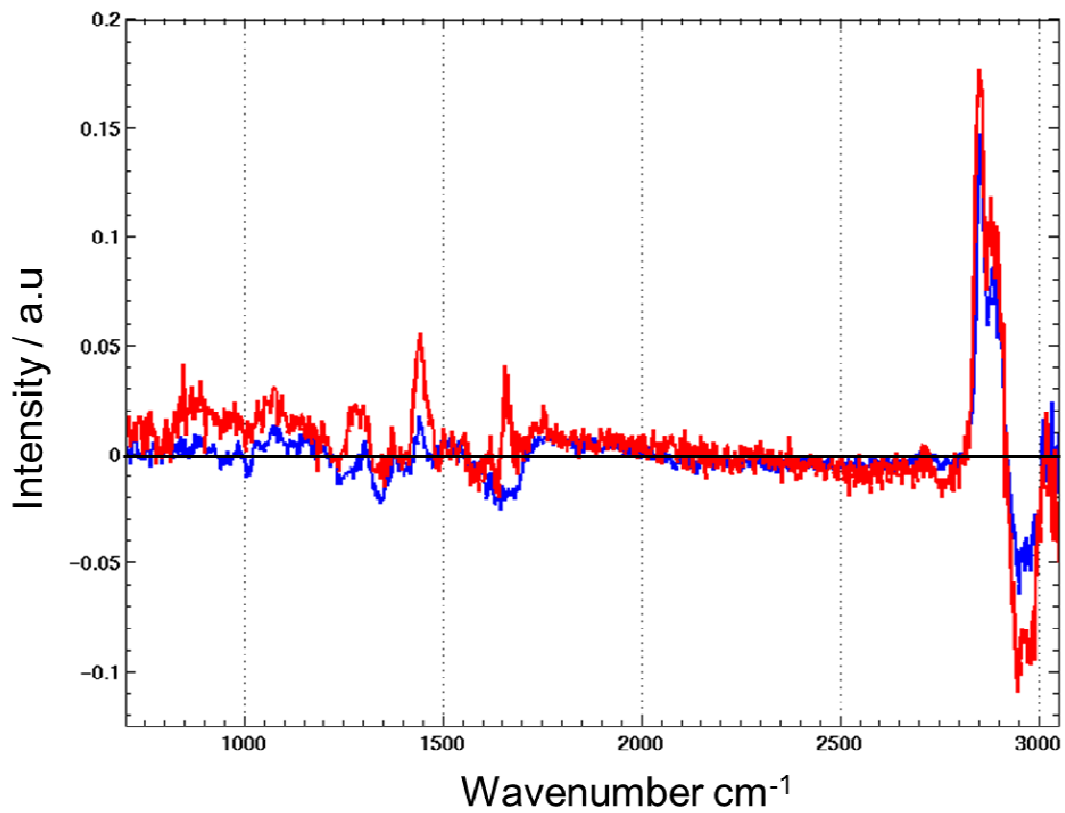


## **Analytical and Bioanalytical Chemistry**

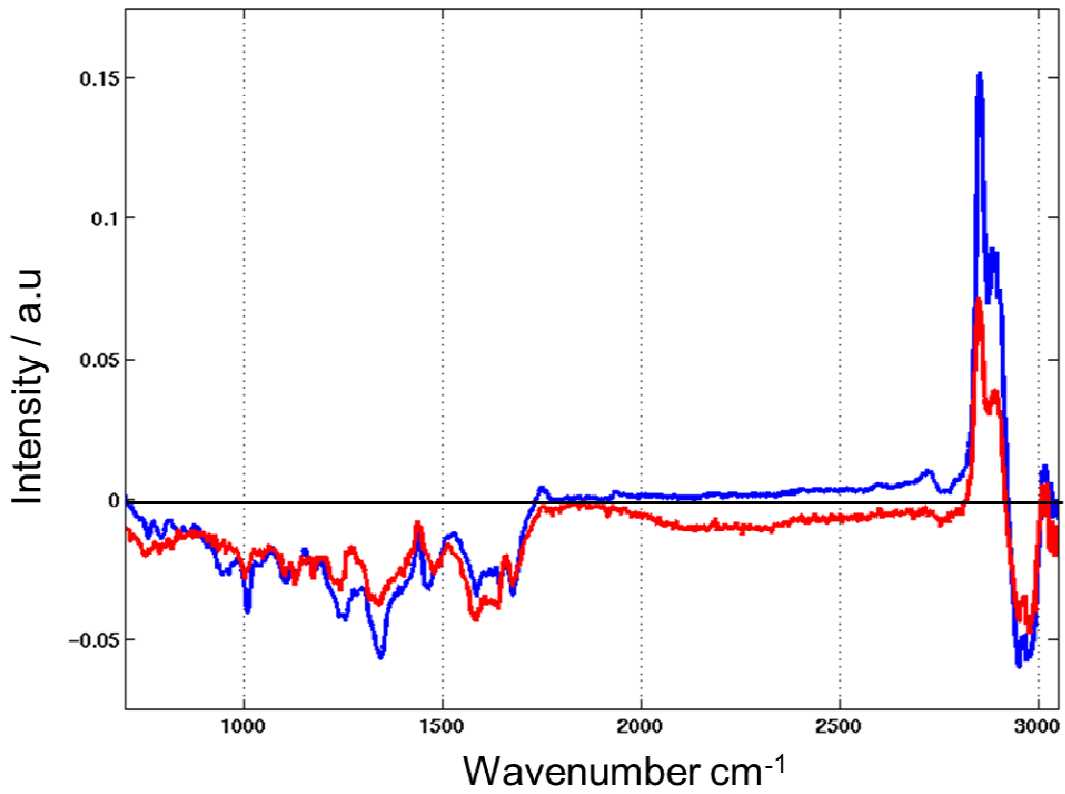
### **Electronic Supplementary Material**

#### **In vitro prediction of the efficacy of molecularly targeted cancer therapy by Raman spectral imaging**

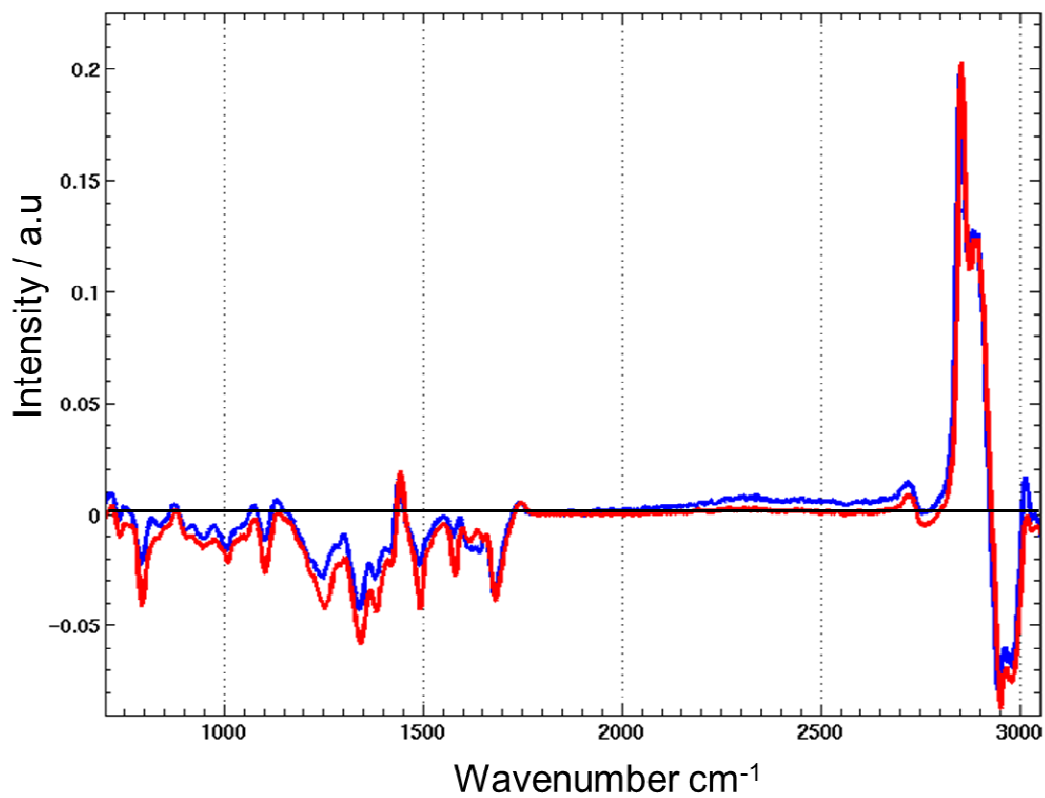
Hesham K. Yosef, Laven Mavarani, Abdelouahid Maghnouj, Stephan Hahn,  
Samir F. El-Mashtoly, Klaus Gerwert



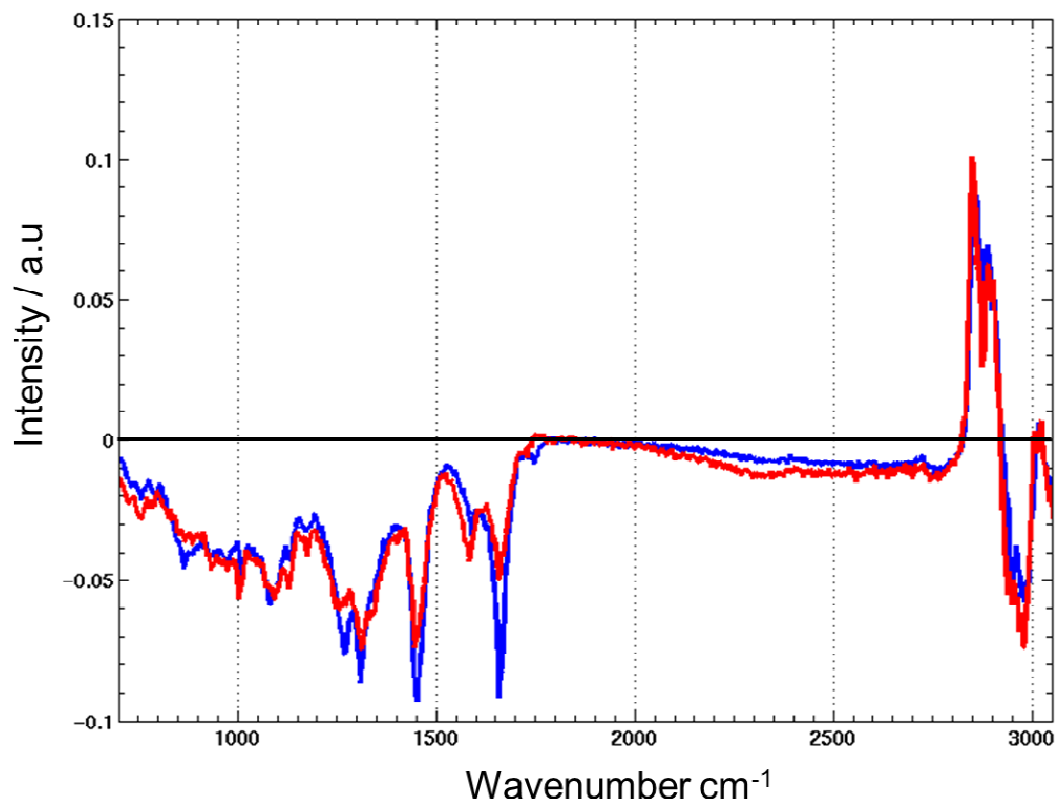
**Fig. S1** Plot of paired loadings resulting from the principle component analysis of the membrane mean spectra of both control cells (red) and erlotinib-treated cells (blue)



**Fig. S2** Plot of paired loadings resulting from the principle component analysis of the cytoplasm mean spectra of both control cells (red) and erlotinib-treated cells (blue)



**Fig. S3** Plot of paired loadings resulting from the principle component analysis of the nucleus mean spectra of both control cells (red) and erlotinib-treated cells (blue)



**Fig. S4** Plot of paired loadings resulting from the principle component analysis of the lipid droplets mean spectra of both control cells (red) and erlotinib-treated cells (blue)