

High molecular contrast images of endometrial tissue using the soft modelling approach of multivariate curve resolution-alternating least squares

Imran I. Patel,^{a,b} Julio Trevisan,^a Geraint Evans,^c
Valon Llabjani,^a Pierre L. Martin-Hirsch,^b
Helen F. Stringfellow,^b Francis L. Martin^a

^a*Centre for Biophotonics, Lancaster Environment Centre, Lancaster University, Bailrigg, Lancaster, UK*

^b*Pathology Laboratory, Lancashire Teaching Hospitals NHS Trust, Fulwood, Preston, UK*

^c*Renishaw plc, New Mills, Wotton-under-Edge, Gloucestershire, UK*

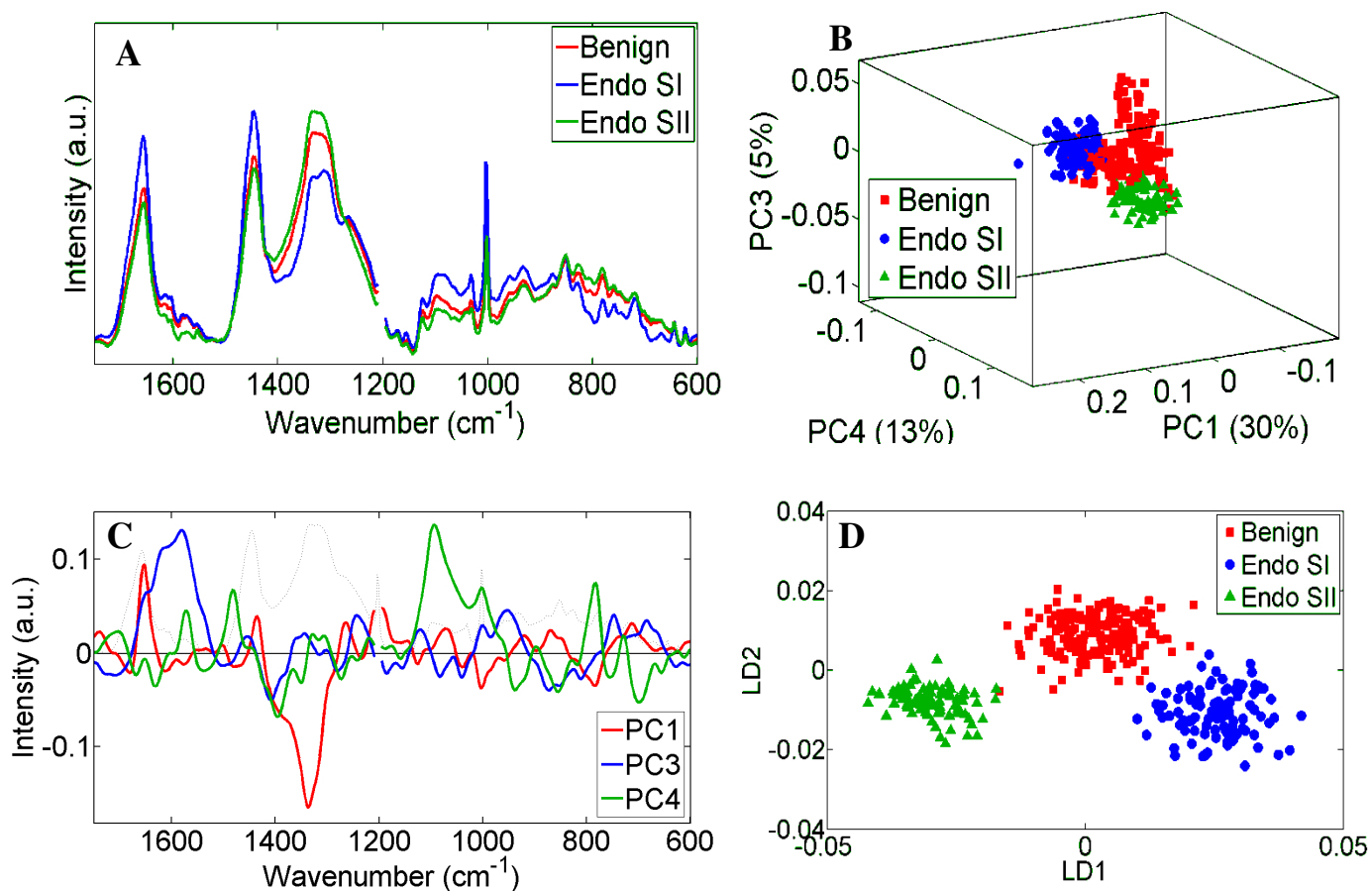


Figure S1. Raman microspectroscopy analysis of endometrial tissue epithelium for different FIGO tumour stages: **(A)** Mean Raman spectra; **(B)** 3-D PCA scores plot; **(C)** PCA loadings plots; and, **(D)** 2-D PCA-LDA scores plot. Endometrioid cancer stage I (Endo SI) and endometrioid cancer stage II (Endo SII).

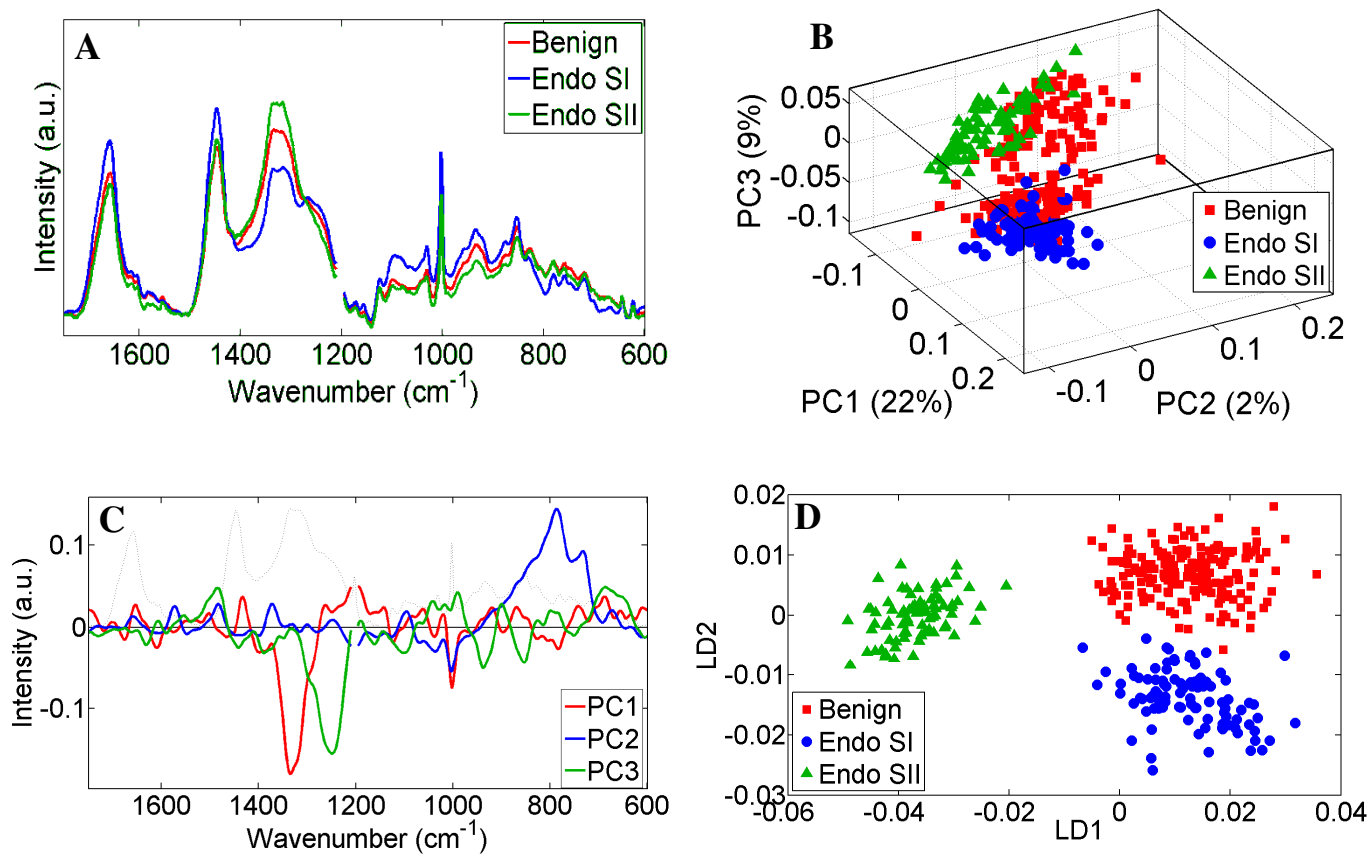


Figure S2. Raman microspectroscopy analysis of endometrial tissue stroma for different FIGO tumour stages (A) Mean Raman spectra; (B) 3-D PCA scores plot; (C) PCA loadings plots; and, (D) 2-D PCA-LDA scores plot. Endometrioid cancer stage I (Endo SI) and endometrioid cancer stage II (Endo SII).