

SUPPLEMENTARY DATA

SCANNING SAXS-WAXS MICROSCOPY ON OSTEOARTHRITIS AFFECTED BONE - AN AGE-RELATED STUDY

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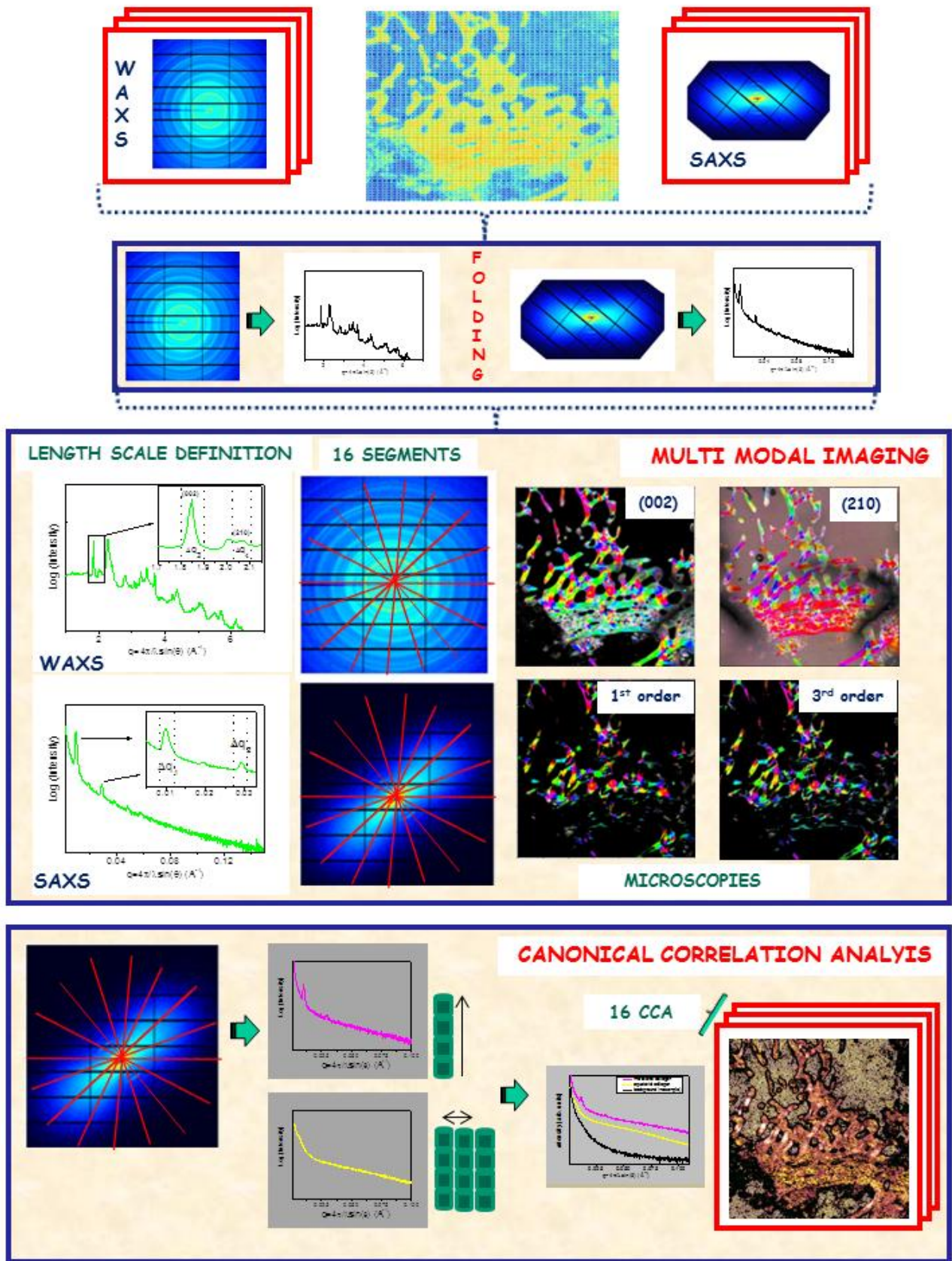


Figure S1: Flow chart of the analysis procedure




Sample # MECR age gender diagnosis	Meridional collagen (1 st reflection) 	Meridional collagen (3 rd reflection) 	HA 002- oriented nanocrystals 	HA 210- oriented nanocrystals
#5046 MECR=0.67 62.58 yrs female OA				
#5108 MECR=0.71 69.67 yrs male OA				
#5535 MECR=0.65 71.41 yrs female OA				
#5004 MECR=0.74 79.64 yrs female OA				
#4787 MECR=0.77 83.92 yrs female, OA				
#5365 MECR=0.78 87.22 yrs male, OA				

Figure S2: Shown are microscopy images of: the meridional collagen monitored via the 1st order SAXS reflection (1st column:); the meridional collagen monitored via the 3rd order SAXS reflection (2nd column:); the HA (002) and HA (210) microscopies in the 3rd and 4th column. The color wheel indicates the mapping of orientation.