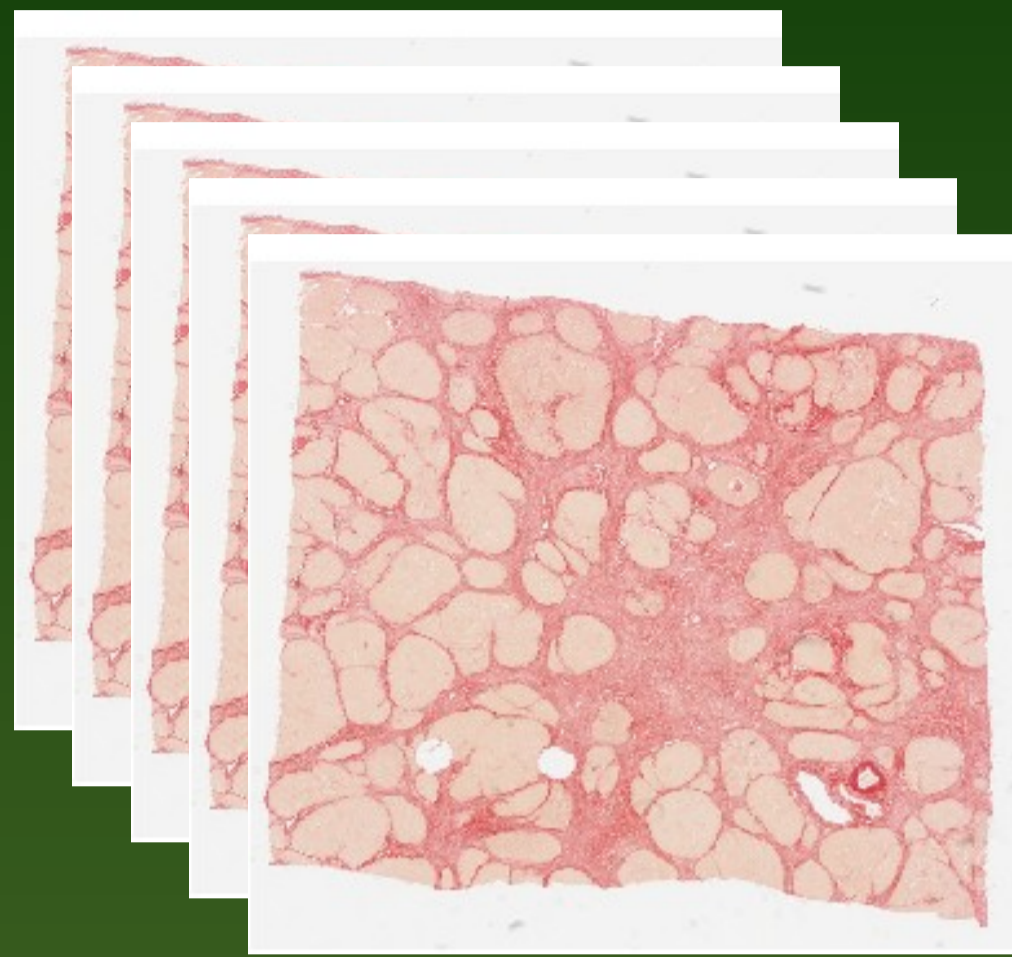


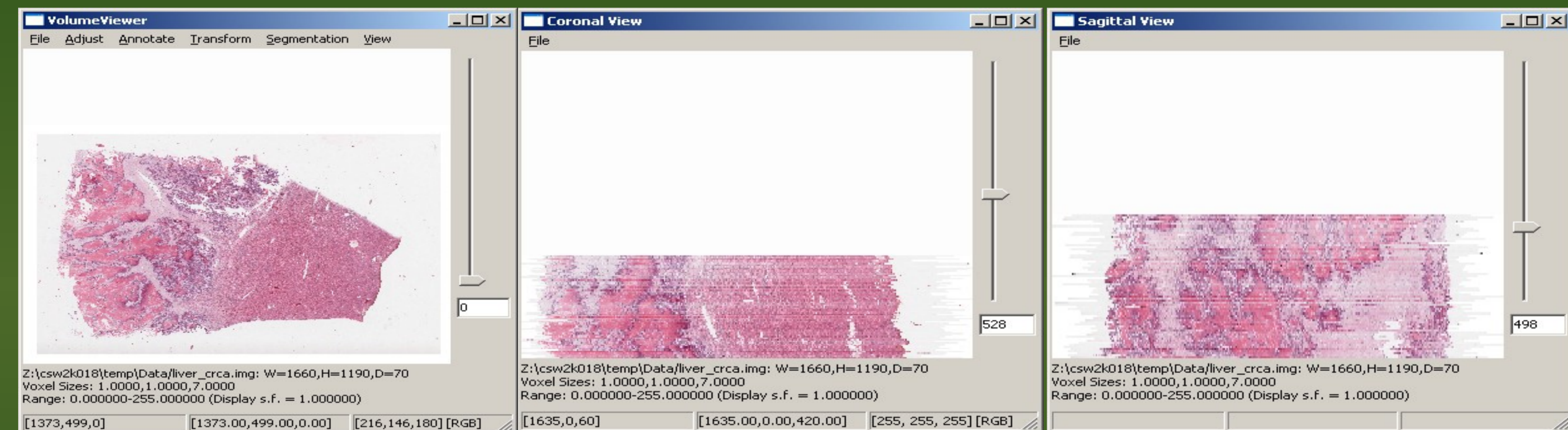
Medical Image Analysis Internship

Keeran Brabazon



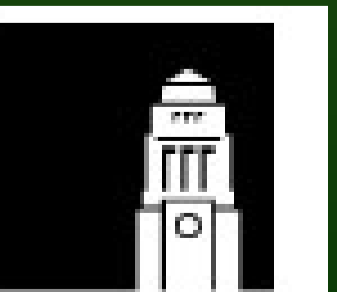
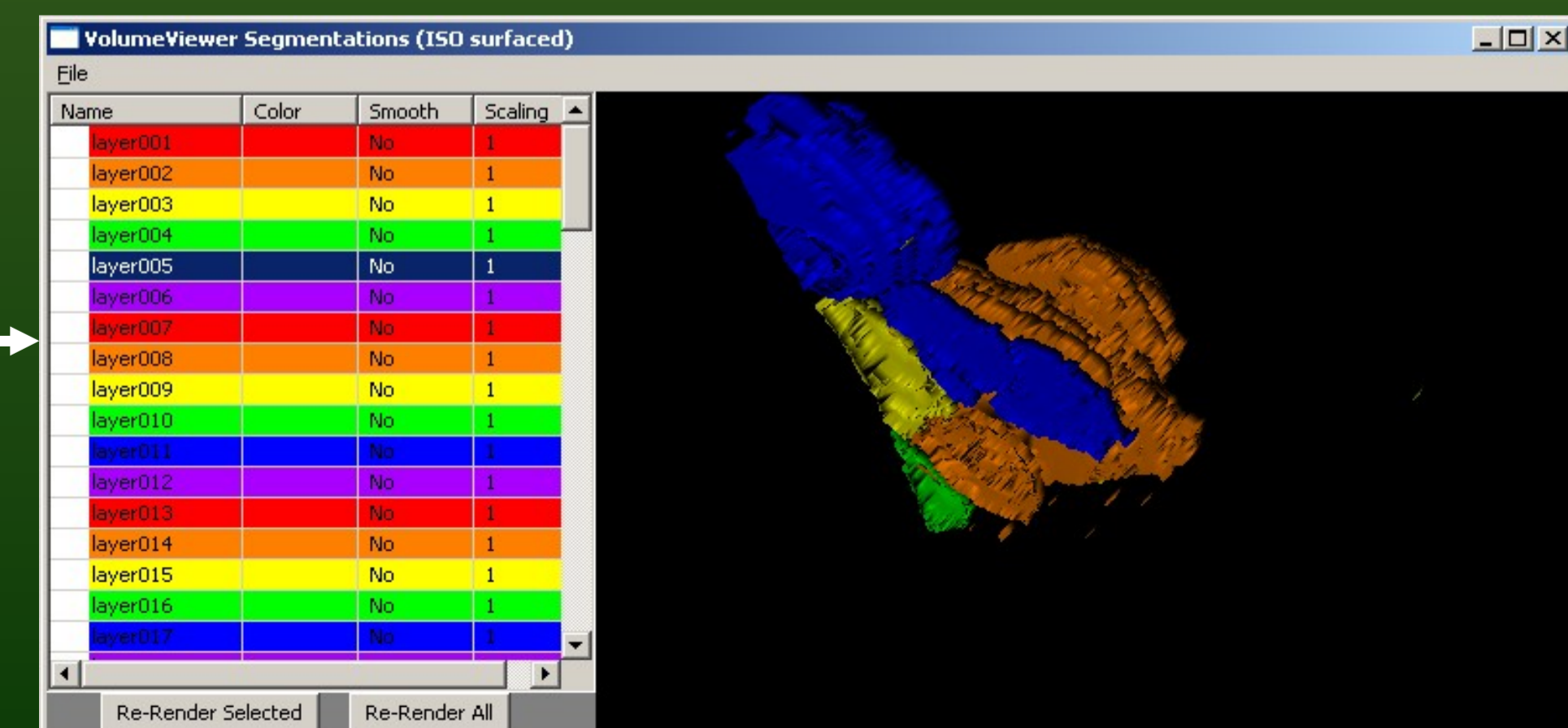
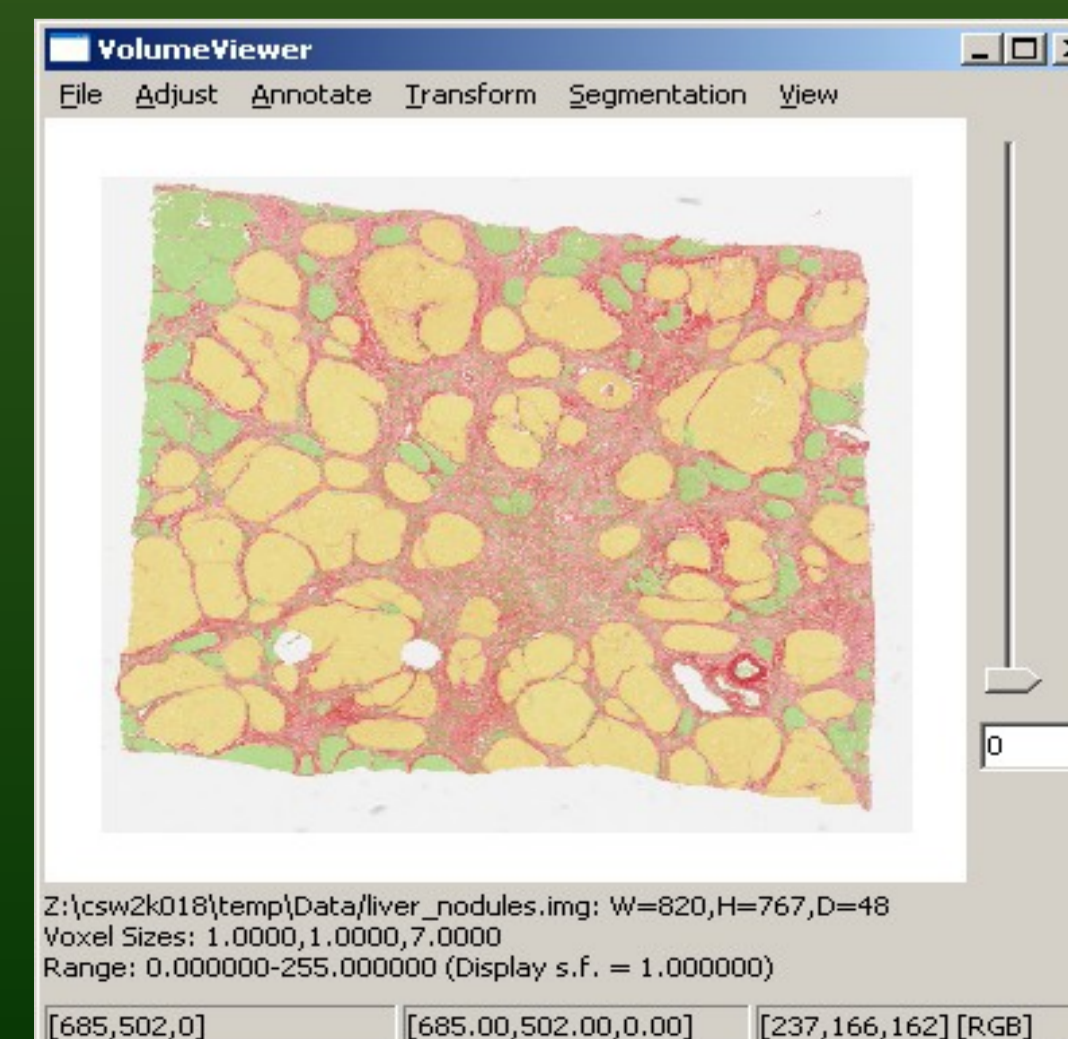
- Slices of interesting tissue were cut, and images were stored on the internet. This was done by pathologists at St. James Hospital, with which this project was in collaboration with. The aim of the project was to display pathological data in 3D to gain new insight into the properties of diseases

- A program was devised to read in and register these images so that they could be “stacked” on top of each other and viewed on a computer as a volume



- The images could be viewed from the top (through the axial plane), from the front (through the coronal plane) or from the left (through the sagittal plane), as shown above. This gives a simple 3D representation of the 2D data that was given

- Segmentations were taken to select certain areas of interest in each volume, and these could then be reconstructed in 3D to give doctors a view of tissue structures they had not seen before



UNIVERSITY OF LEEDS