Biomedical Imaging

This project involves developing a medical imaging technique that is non-invasive and non-destructive. Using different types of low power laser pulses we are able to obtain images of the same spot on a sample that show different detail in the sample. By compiling these images we obtain a final image that has much better contrast and resolution. Further manipulations of the images via mathematical software will result in even better resolution images. The ability to obtain high quality images of biological specimens in a non-invasive and non-destructive way has immediate applications to the medical field.

-Lindsay Weisel