

Contributors



Graeme Bydder



Sanford Consortium
(Molecular Imaging Inc.)



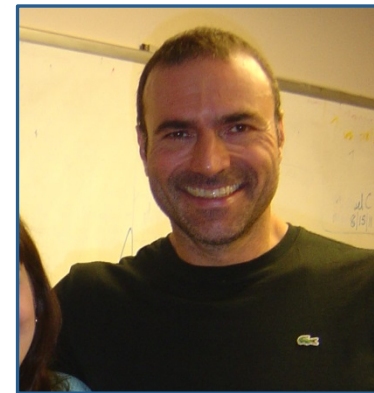
Nick Szeverenyi



Jiang Du
& Group



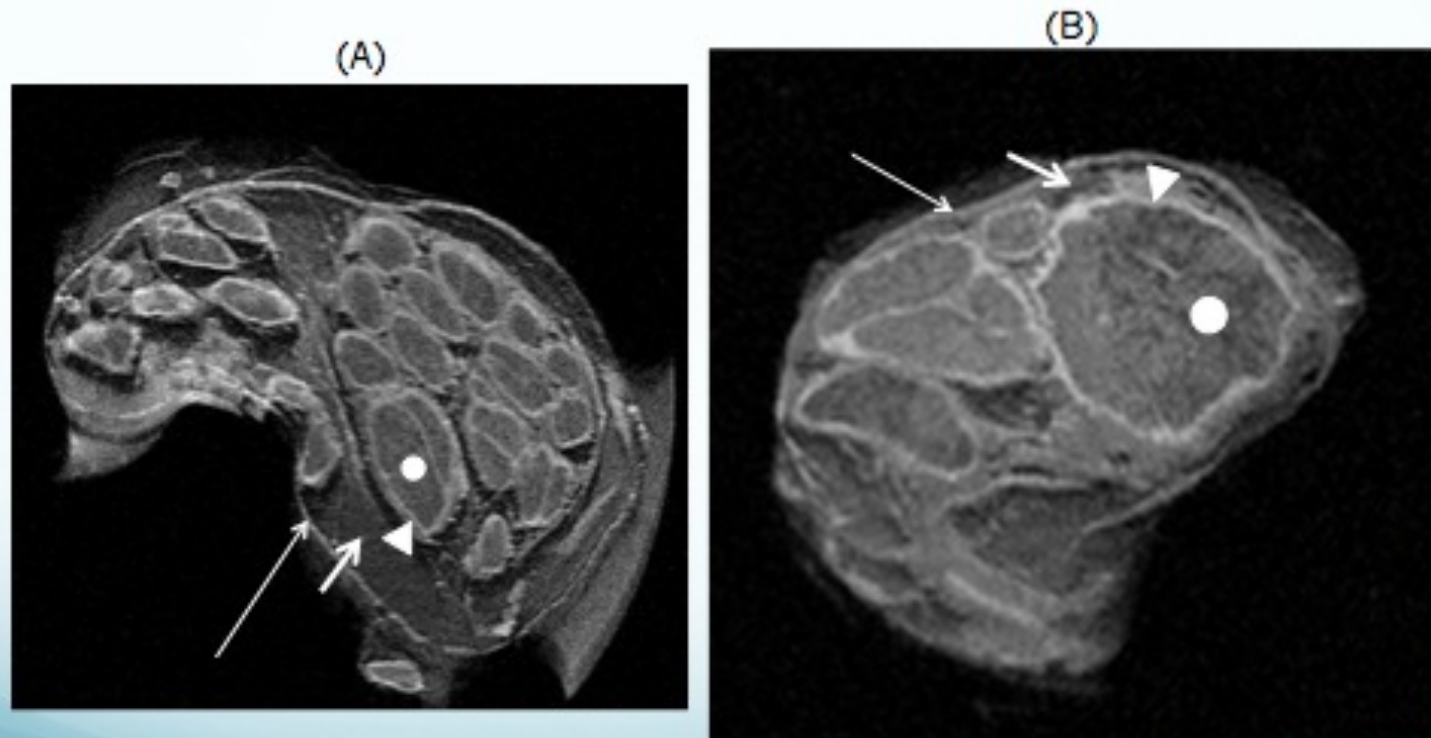
Christine Chung
& Group



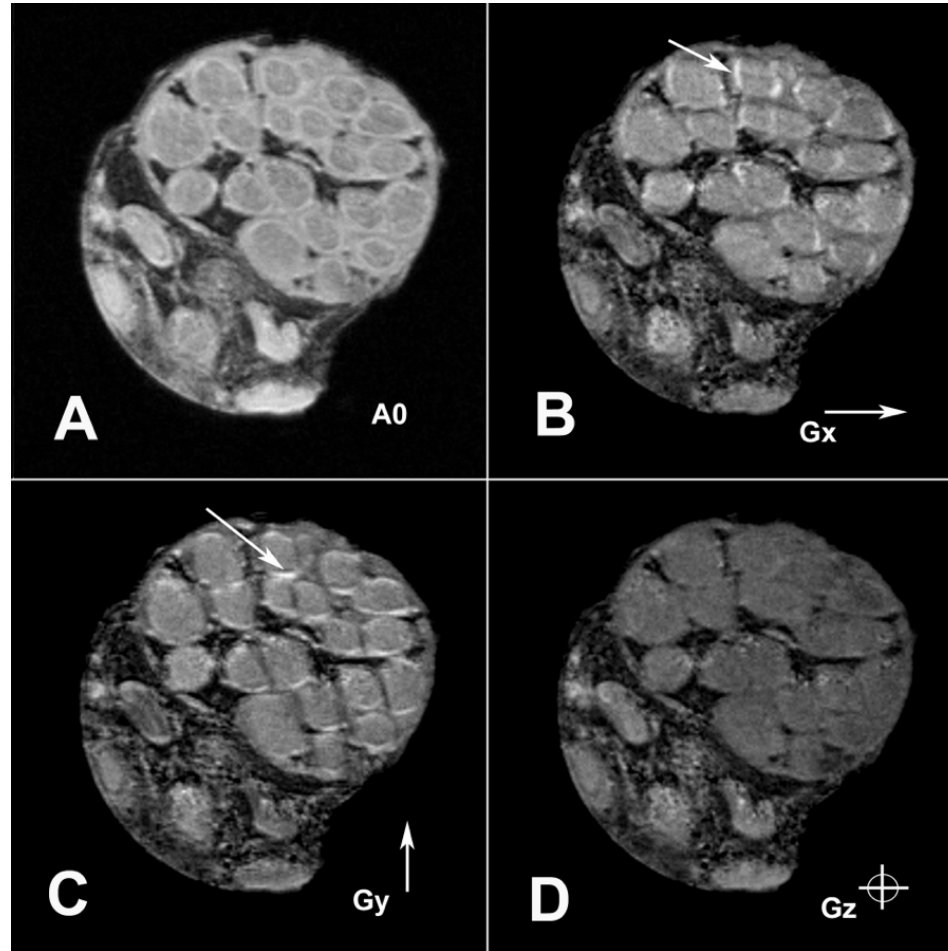
Claude Sirlin
& Group

11.7 T Spin Echo MRI

11.7 T Normal (A) and
Diabetic (B) Median Nerves



Diffusion Perineurium

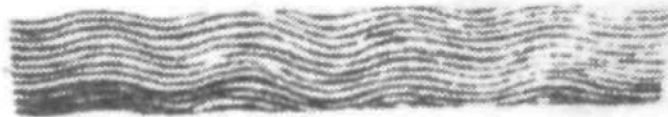


Bands of Fontana

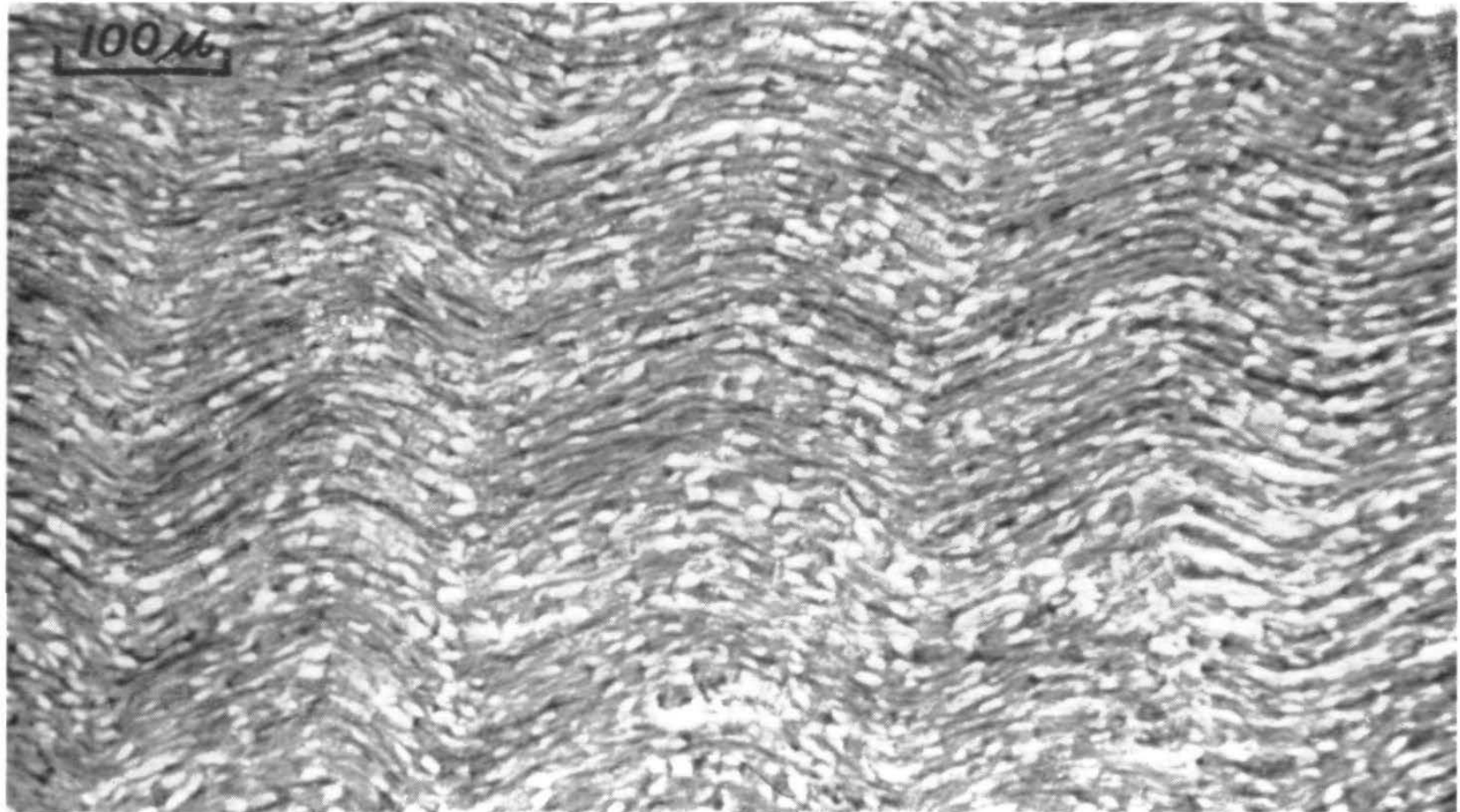
A



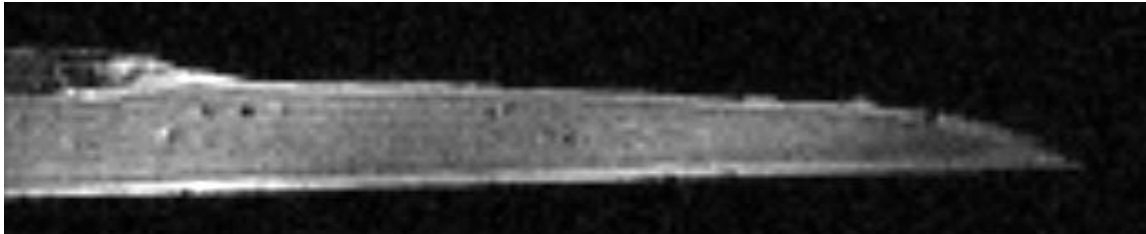
B



Peripheral Nerve Zig Zag



Rat Sciatic Normal- Bands of Fontana



A_0

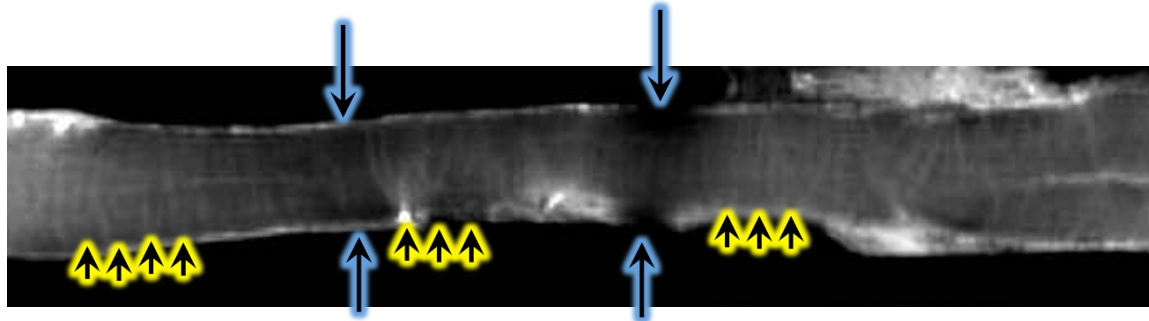


4th Angle



5th Angle

2D MSME SE - Elastic



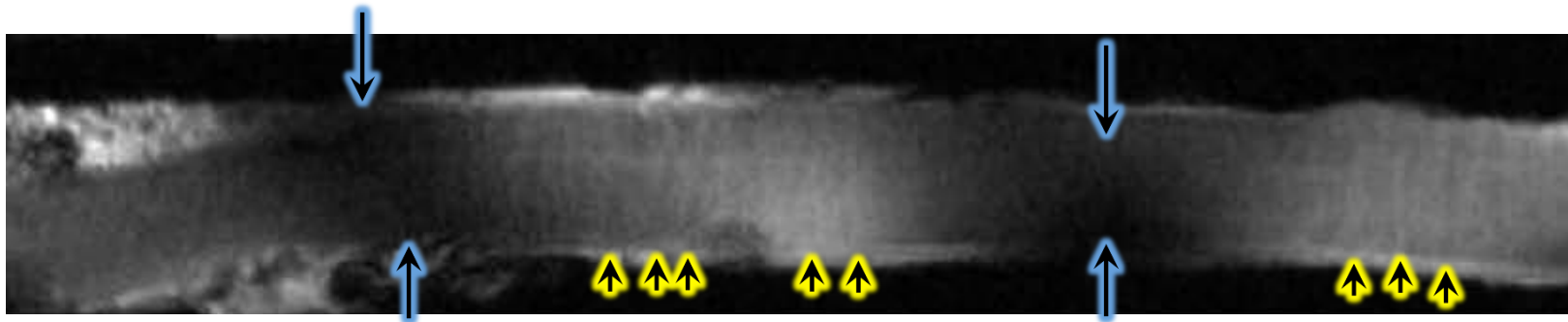
SL= 0.3 mm

TE=9.7 ms

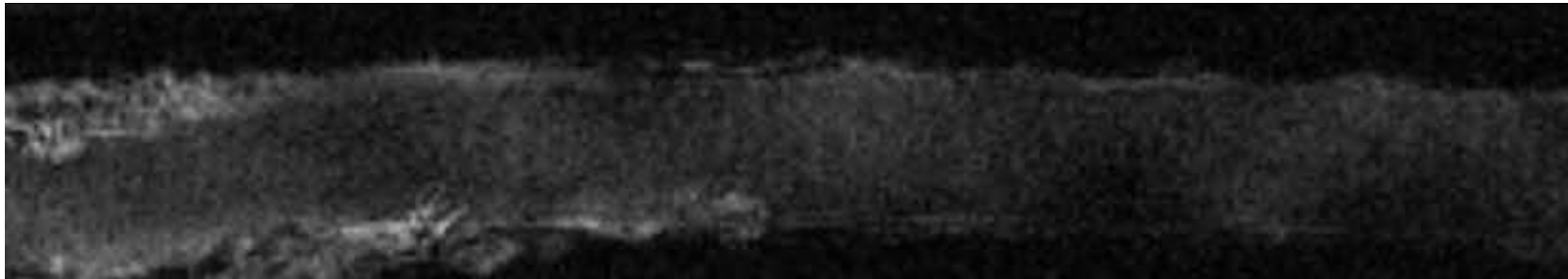
MSME -- Plastic

Slice 4 of 5

TE= 16,32,48,64ms



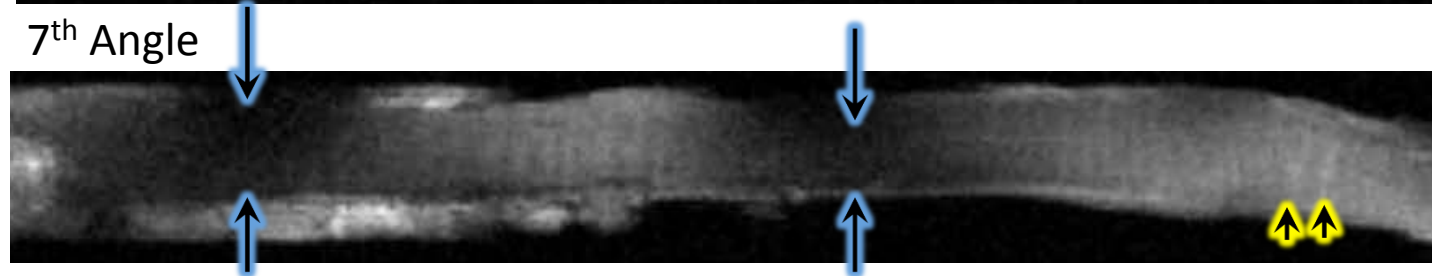
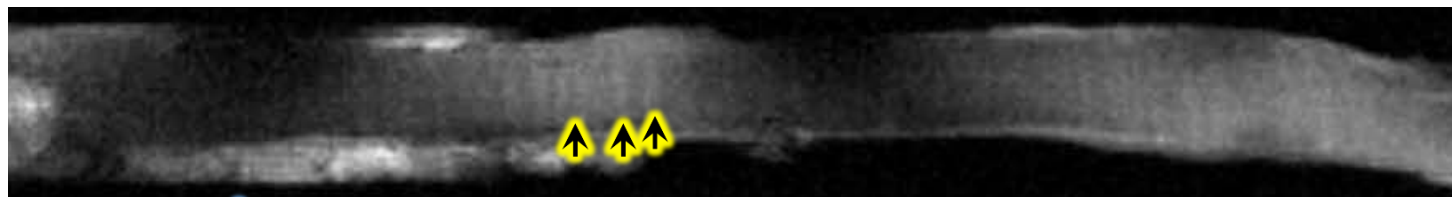
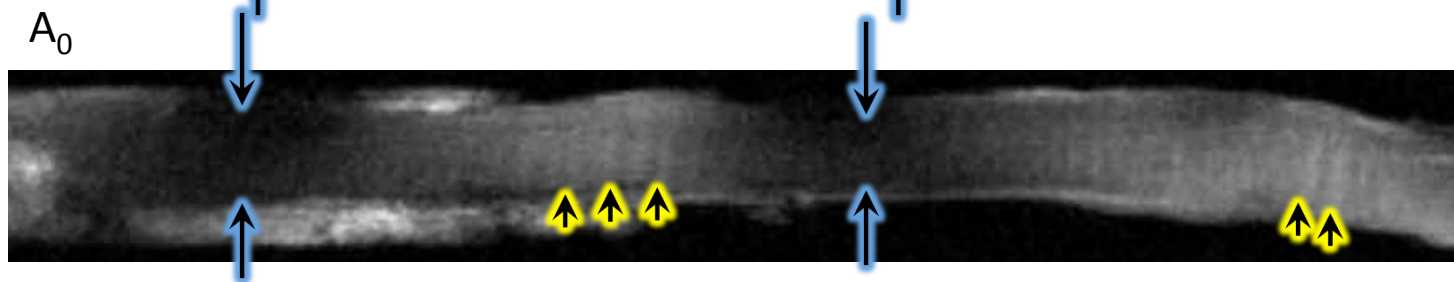
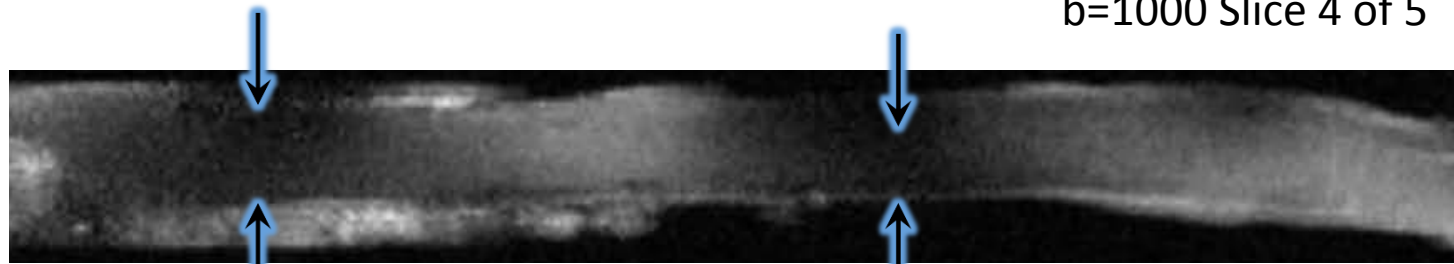
TE= 16



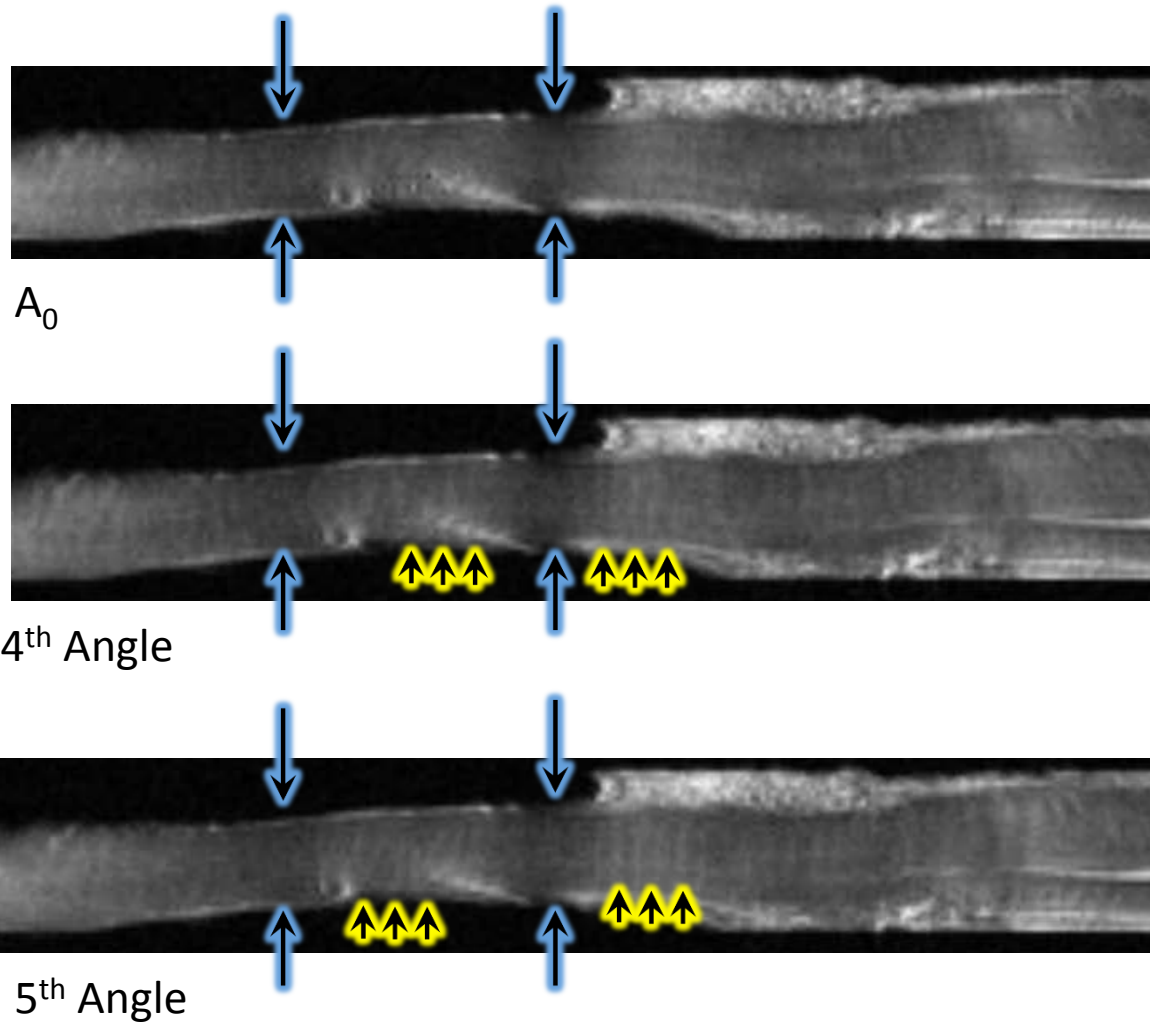
TE= 32

Diffusion -- Plastic

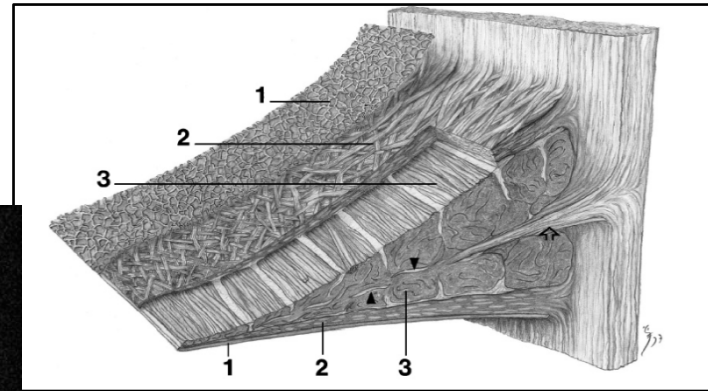
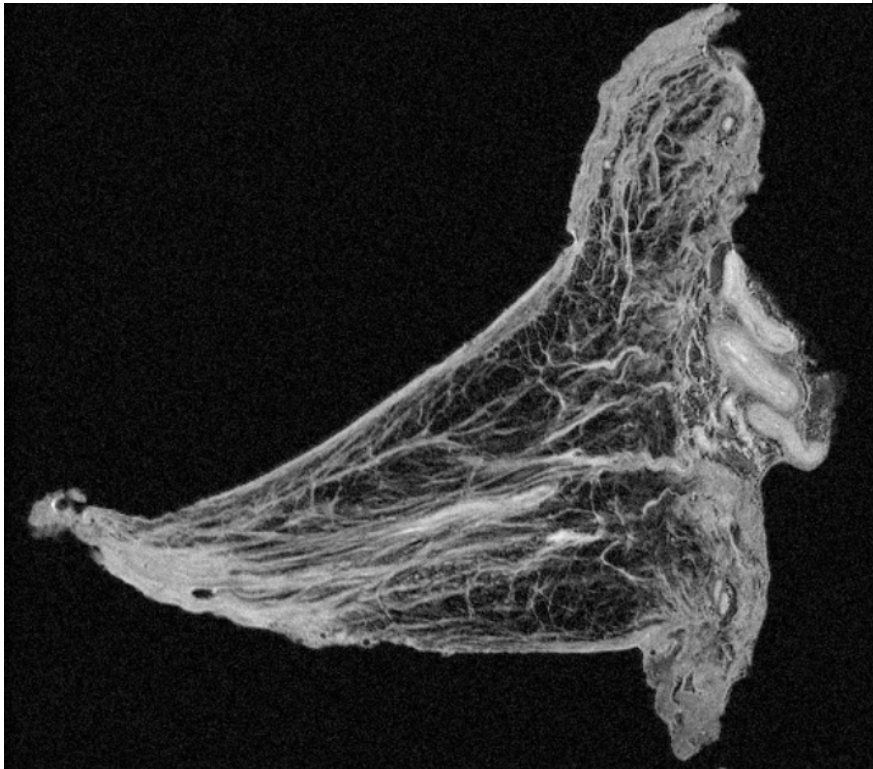
b=1000 Slice 4 of 5



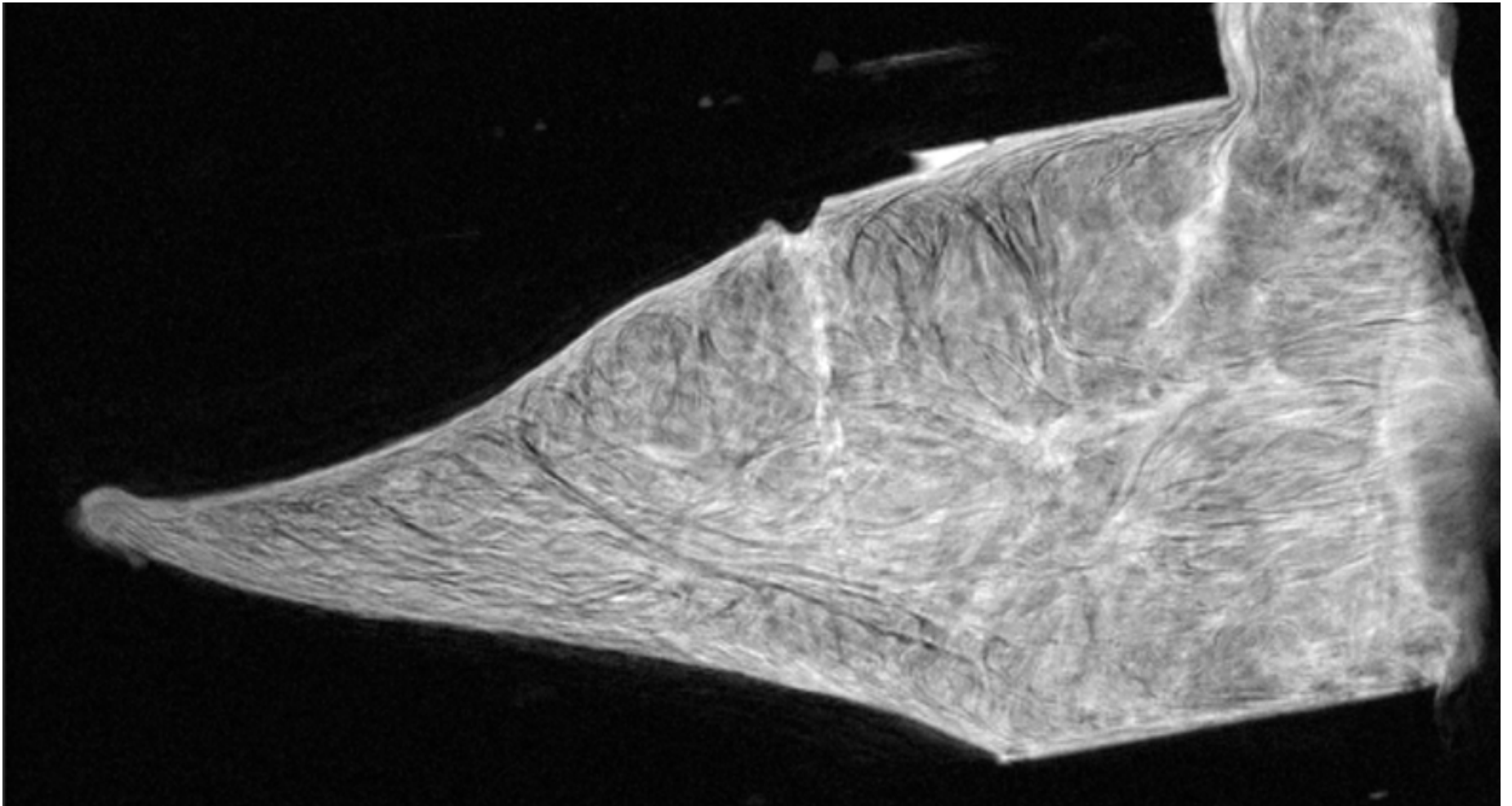
Diffusion - Elastic



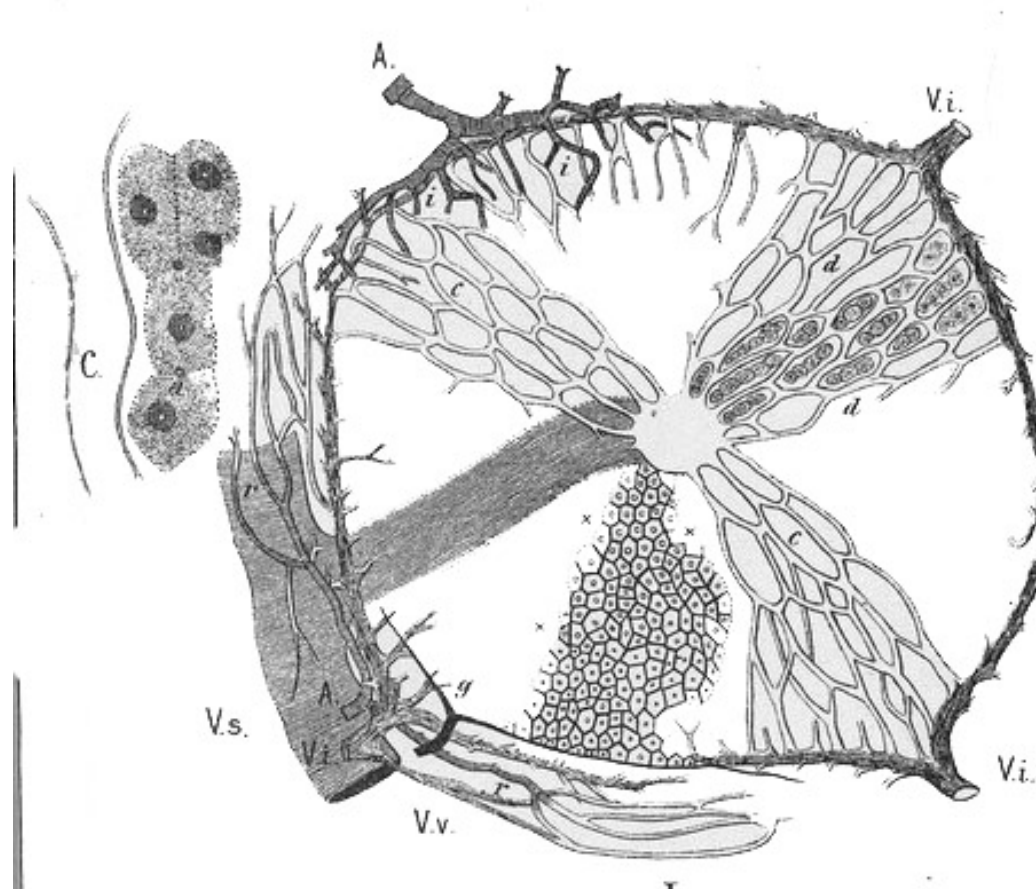
Meniscus



Arcuate Fibers

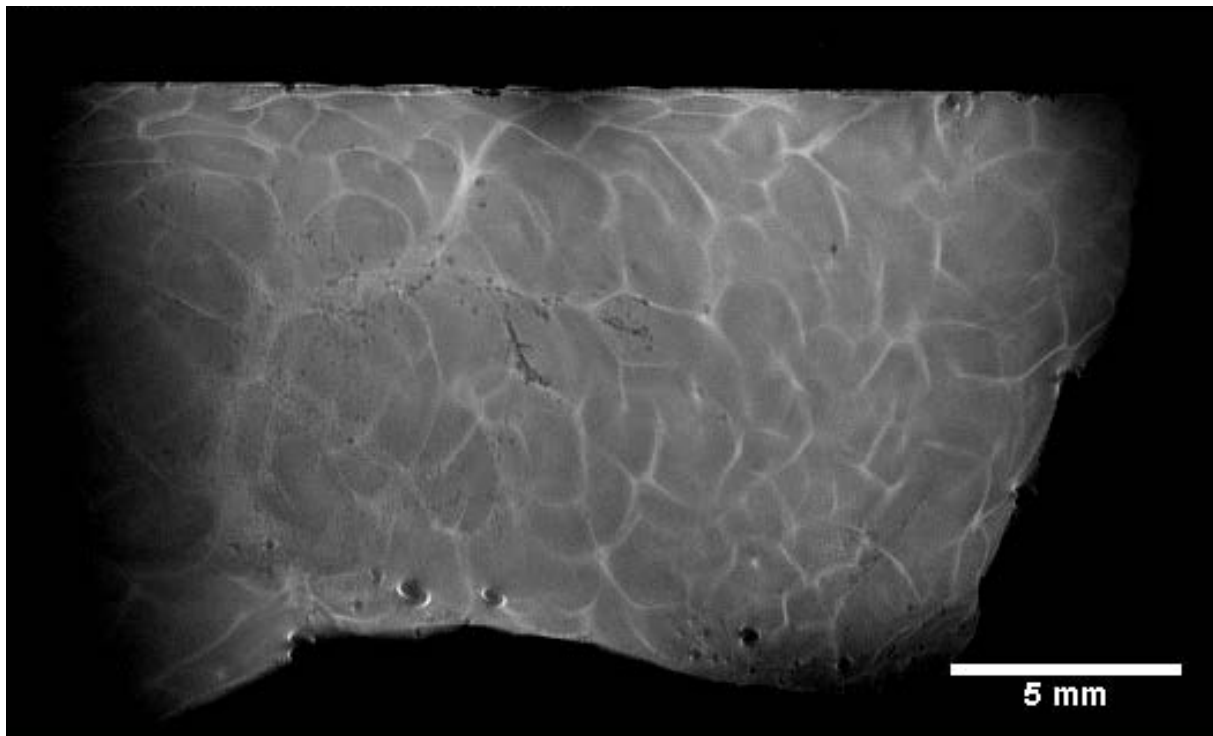


Liver Lobule Structure



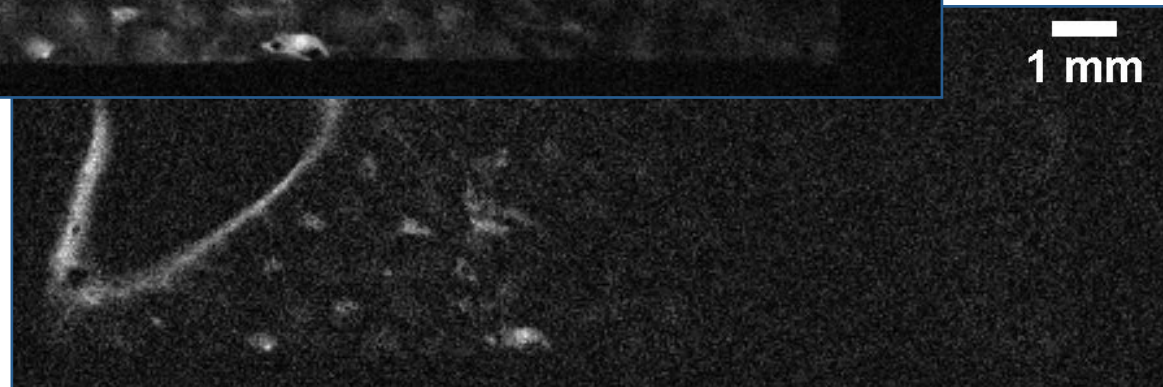
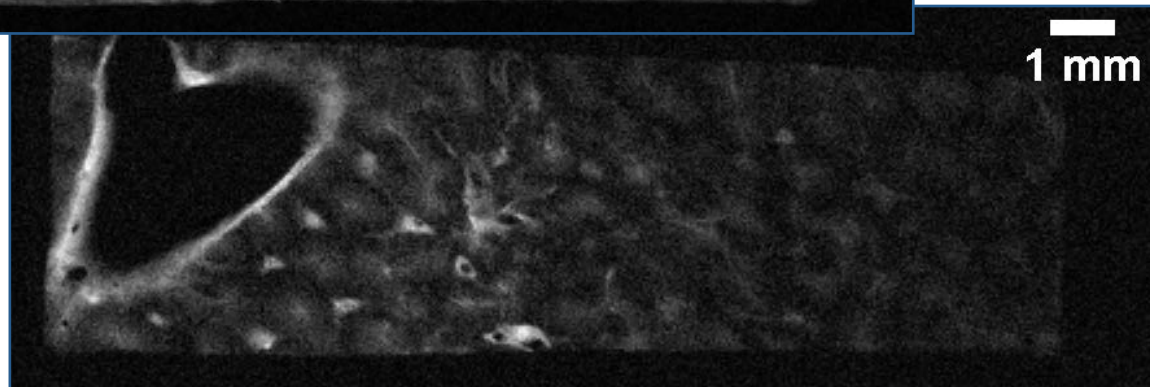
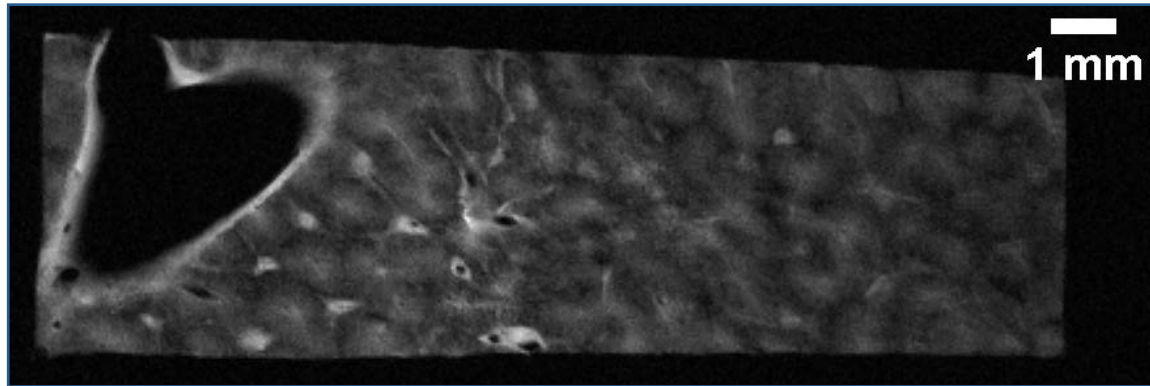
Porcine Liver -- 11.7 Tesla

- TR = 3000 ms
- TE = 10 ms
- SL = 0.5 mm



HCV Stage 2 Liver

SE multi-echo; TR = 2000 ms; TE = 10, 20, 30 ms;
40 μm x 40 μm x 400 μm ; ID #3, E3.



Cirrhosis Liver

GRE multi-echo; TR = 100 ms; TE = 4, 9, 14 ms;
FA = 15; 40 μm x 40 μm x 400 μm ; ID #2, S4.

