## **SEA ICE**



young healthy trabecular bone



## spectral characterization of porous microstructures in human bone

reconstruct spectral measures from complex permittivity data









use regularized inversion scheme

apply spectral measure analysis of brine connectivity and spectral inversion to electromagnetic monitoring of osteoporosis

Golden, Murphy, Cherkaev, J. Biomechanics 2011

## the math doesn't care if it's sea ice or bone!