

## **John Shepherd**

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John Shepherd is a Professor in the Department of Radiology and the Director of the Body Composition, Exercise Physiology, and Energy Metabolism Lab at the University of California, San Francisco. He is an expert in quantitative breast imaging as well as musculoskeletal imaging using X-ray absorptiometry techniques. Dr. Shepherd has a PhD in Engineering Physics from the University of Virginia followed by a postdoctoral fellowship in Biophysics at Princeton University. He is also a Certified Clinical Densitometrist. Dr. Shepherd's research interests

involve quantitative imaging methods for tissue composition using X-rays. Example projects include quantifying breast density as a risk factor for breast cancer and mammographic masking in over 500,000 women, novel measures of adiposity for diabetes and metabolic conditions in studies such as the Multi Ethnic Cohort Obesity and Cancer Risk Study, and BeMyKids. He has published over 150 peer reviewed articles and has been an expert consultant to the IAEA Human Health Division for the past 11 years.