

Lawrence L. Wald, Ph.D., is currently a Professor of Radiology at Harvard Medical School and Affiliated Faculty of the Harvard-MIT Division Health Sciences Technology. He received a Ph.D. in Physics from the University of California at Berkeley in 1992 under the direction of Prof. E.L. Hahn with a thesis related to optical detection of NMR. He obtained further (postdoctoral) training in Physics at Berkeley and Radiology and MRI at the University of California at San Francisco (UCSF). He began his academic career as an Instructor at the Harvard Medical School at McLean Hospital and since 1998 has been at the Massachusetts General Hospital Dept. of Radiology in the NMR Center (now the A.A. Martinos Center for Biomedical Imaging). His work has explored the benefits and challenges of highly parallel MRI and its application to highly accelerated image encoding and parallel excitation and ultra-high field MRI (7 Tesla) methodology for brain imaging. This has included improved methods for RF coil arrays, parallel transmit methods, acquisition sequences, matrix shimming, peripheral nerve modeling and gradient coil design. His lab also focuses on motion mitigation methods, portable MRI technology, and is developing a prototype functional Magnetic Particle Imaging scanner.