



Thomas Bortfeld, PhD

Thomas Bortfeld, PhD, a physicist by training, is a Professor at the Harvard Medical School and serves as the Director of the Radiation Biophysics Division at the Massachusetts General Hospital. Dr. Bortfeld has been a primary developer of intensity-modulated radiation therapy (IMRT) and optimized "inverse" treatment planning. He and his team are refining IMRT through multi-criteria and robust optimization. Another research focus of Dr. Bortfeld is in proton therapy. Recent research interests of Dr. Bortfeld include imaging-guided temporo-spatial optimization of treatment dynamics, better ways to define the clinical target volume, and making the benefits of proton therapy available to more patients.