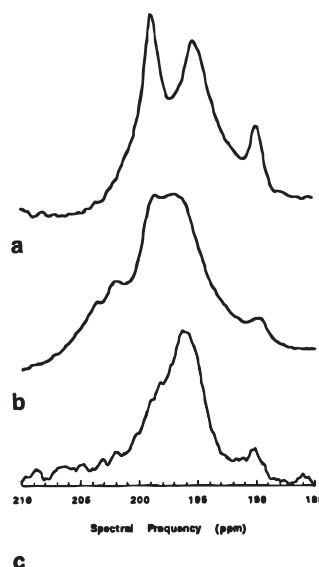


# Arnold Wishnia

Associate Professor of Chemistry  
1966-2008

Physical Biochemist



*In Vivo* MR Imaging and Spectroscopy using Hyper-polarized  $^{129}\text{Xe}$ , *Magnetic Resonance in Medicine*, **36**, 183 (1996).

Professor Wishnia studied the structures and behavior of macromolecules and systems. For example, he used stopped-flow, pressure-jump light-scattering and/or fluorescence to study processes related to initiation of protein synthesis. He investigated vesicle surfaces by detecting their interaction with lanthanide cations using  $^{31}\text{P}$  NMR spectroscopy and fluorescence lifetime studies. He was a pioneer in the use of laser-polarized  $^{129}\text{Xe}$  in magnetic resonance imaging of biological systems.