All of our studies have the goal of developing new knowledge that will ultimately permit us to treat, control, or prevent the diseases within our domain of responsibility. Such new knowledge must begin at the cellular and subcellular level with major emphasis on basic studies and become extended, where promising, to clinical investigations. We are justly proud of the excellent record of achievement of niddk's intramural research program in this long and arduous process, and we are sure that this compendium will convey to the reader a spirit of creativity and responsiveness to challenge.