

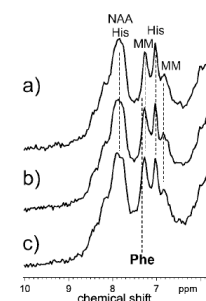
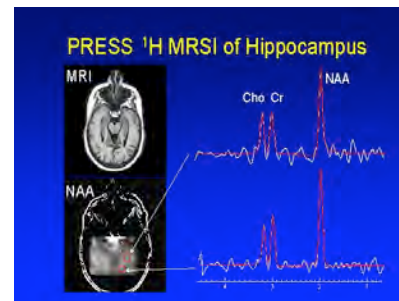
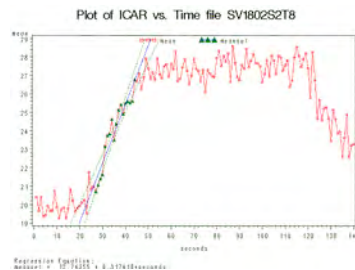
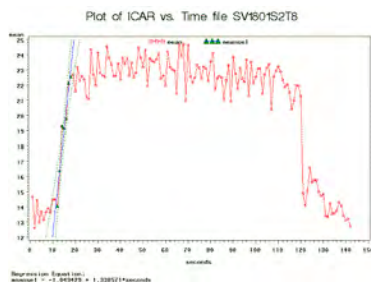
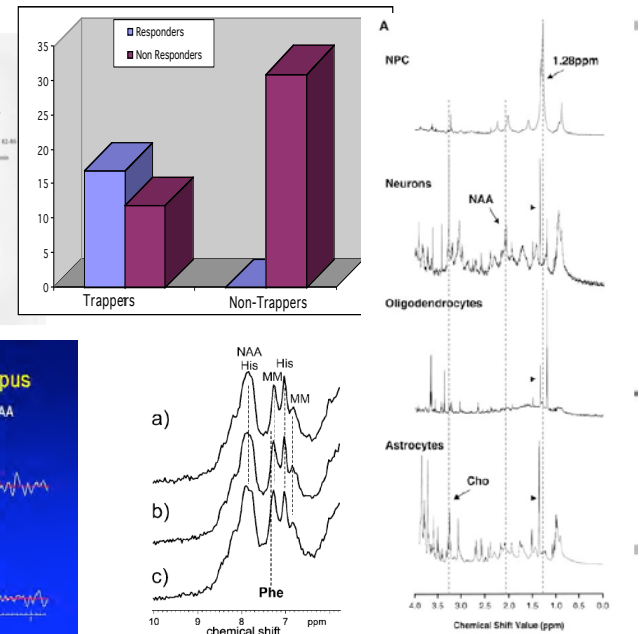
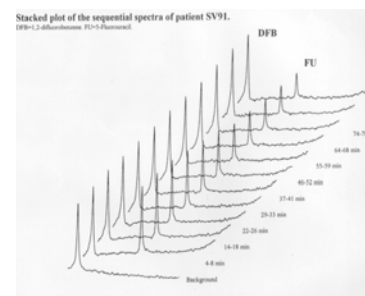
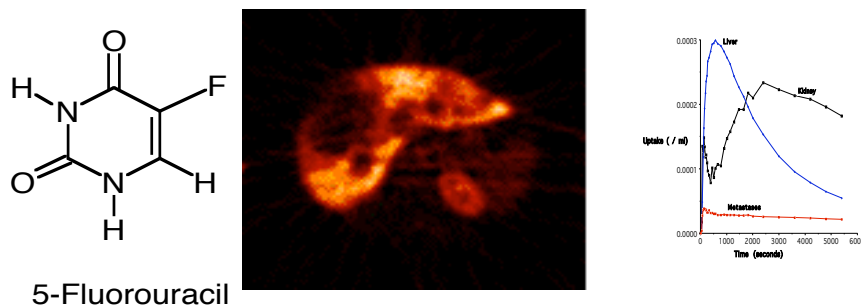


Research Interests of Walter Wolf, PhD

1. Evaluation and prediction of response to anticancer chemotherapy
2. Noninvasive imaging as a tool to measure target organ PK/PD

Unique techniques developed to accomplish the above goals:

- a. Nuclear imaging using intrinsically radiolabeled drugs
- b. In vivo NMR spectroscopy (MRS) to perform noninvasive chemical analyses at the target sites of drugs
- c. Noninvasive methods to measure PD, especially using MRI





SWOT considerations relevant to Magnetic Resonance Spectroscopy in the brain

- **Strengths**
 - We are the leaders in the development of methods and procedures aimed at the study of drugs using noninvasive imaging methods
- **Weaknesses**
 - Our primary weakness is that most of our efforts are manpower-shallow, often with a single faculty member carrying the entire effort
- **Opportunities**
 - To become one of the leaders in the use of noninvasive imaging in measuring the PK/PD of drugs in brain injury and repair
- **Threats**
 - The same as our weaknesses: lack of manpower and resources