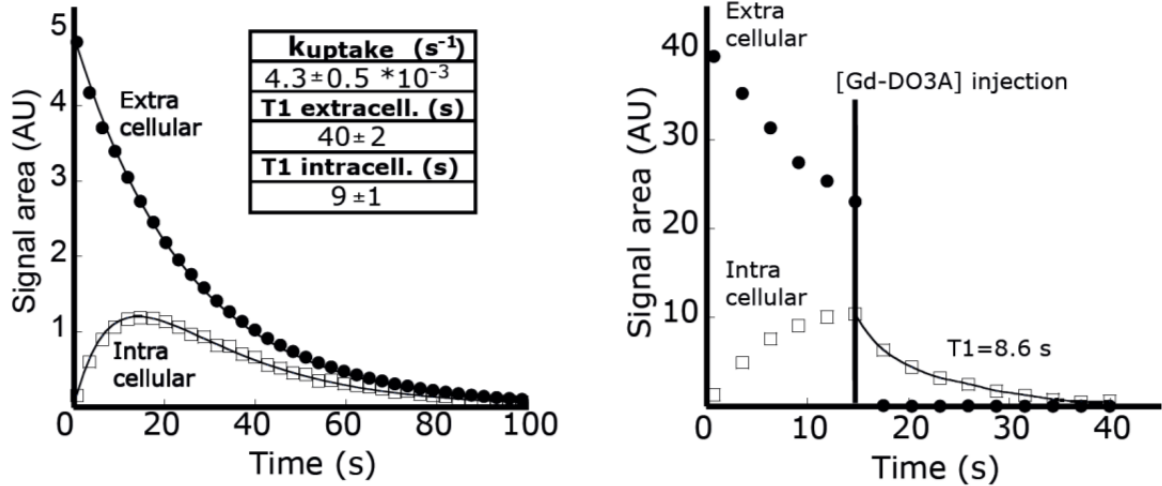
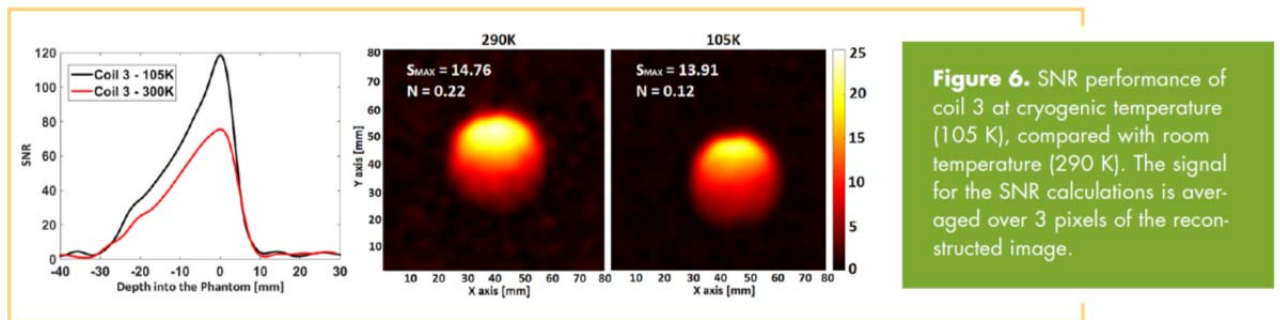


2016 Highlights

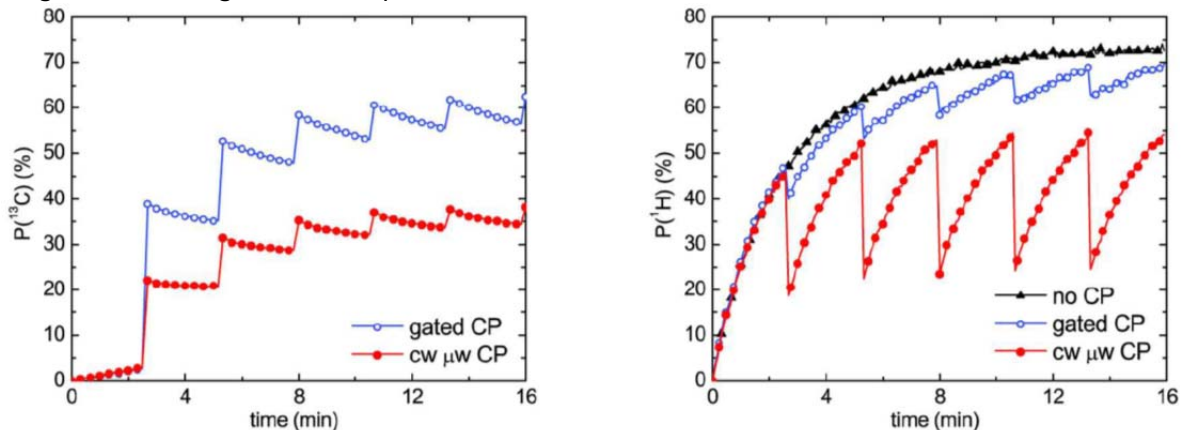
- The intracellular T_1 is shown to be up to four times shorter than the extracellular T_1 for important ^{13}C bioprobes. Such large difference in T_1 between the inside and the outside of the cell has significant influence on the quantification of intracellular metabolism (Karlsson et al, *Angewandte Chemie*, 2016)



- 65% increase in signal-to-noise ratio for cryogenic coil demonstrating large potential for improved image quality in MRI (Sanchez et al, *Tomography* 2016)



- Doubling of the efficiency of cross-polarization by microwave gating paving the way for large and more general samples (Bornet et al, *PCCP* 2016).



- PhD student Rie Beck Hansen was awarded the EliteForsk travel stipend.