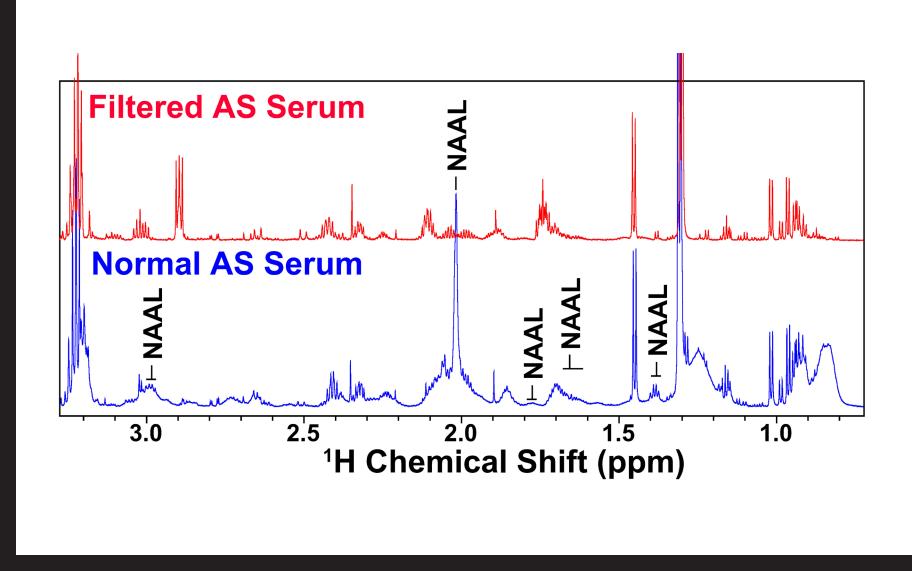
8



Comparison of CPMG NMR spectra recorded on paired normal and filtered serum samples.

## Anupam Guleria, PhD, 2017

Biomolecular NMR and Disease Metabotyping | Centre of Biomedical Research (CBMR)

Field strength: 800 MHz

## Why is this your favorite spectrum?

The identified signals of *N*-alpha acetyl lysine (NAAL) represent the side chain signals from biochemically modified proteins. In order to confirm this conjecture, the 1D <sup>1</sup>H CPMG spectra were recorded on serum samples before and after performing the ultrafiltration. The comparison clearly revealed that the assigned resonances to NAAL correspond to modified proteins.

Comments: The identified resonances of NAAL will form the basis for future metabolomics studies related to evaluating the hyperacetylation status of a patient.