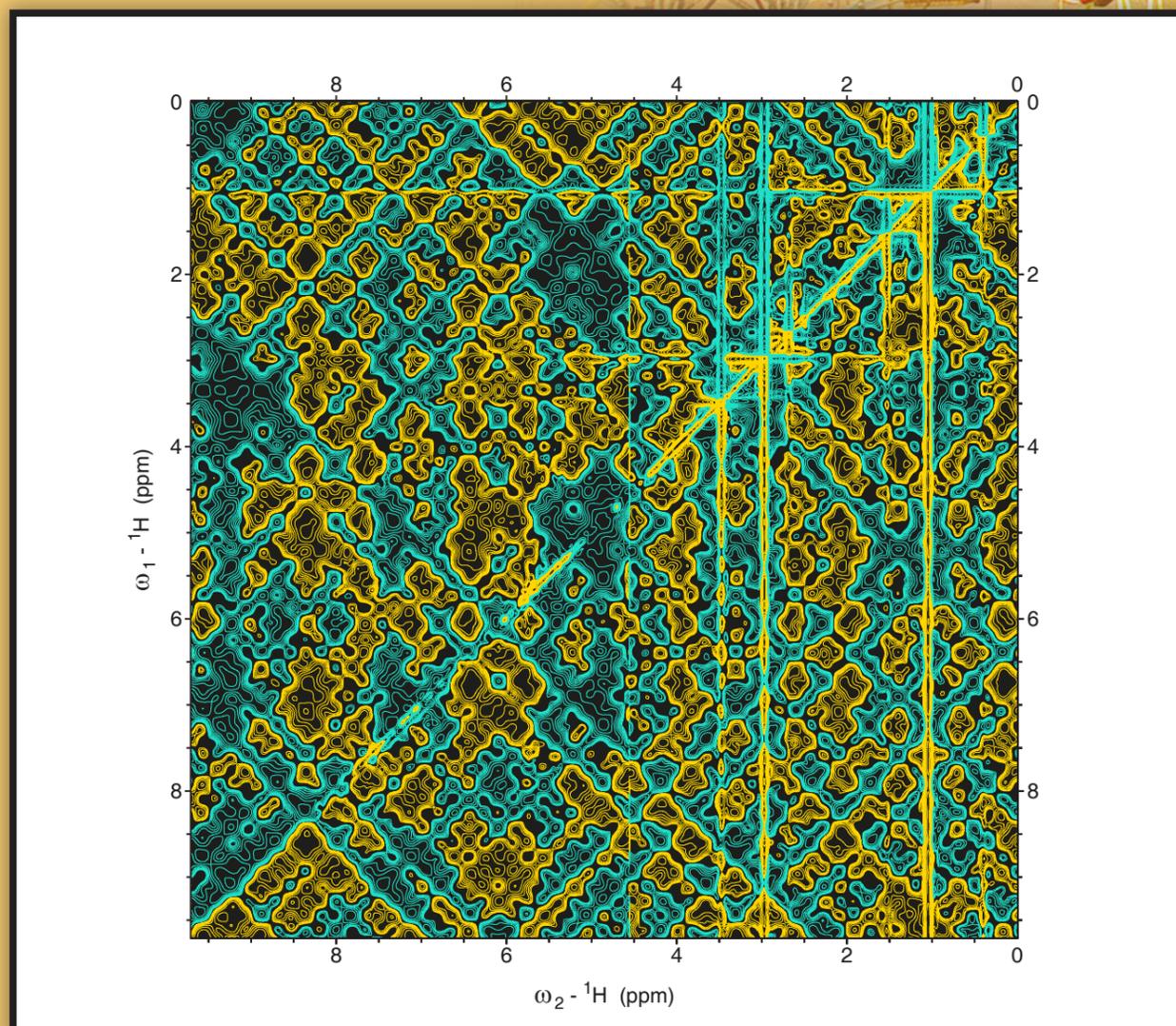


3

ART



¹³C filtered 1H1H NOESY spectrum of position-specific ¹³C-labeled aptamer domain of adenine sensing riboswitch

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Field strength: 700 MHz

Why is this your favorite spectrum?

I wanted to measure ¹³C filtered NOESY spectra of the position-specific ¹³C-labeled riboswitch to see specific NOE cross peaks, which helped me assign the aromatic regions of this large RNA. Unfortunately I made a mistake in the acquisition parameters, so that the cross peaks could not be observed properly. However, when I scrolled up the signal to noise level these beautiful artefacts showed up. They mesmerized me and reminded me of a Persian mosaic of some sort. Therefore, although the spectrum itself did not provide me with meaningful data, it showed me what kind of beautiful patterns sometimes lie beneath the noise.