

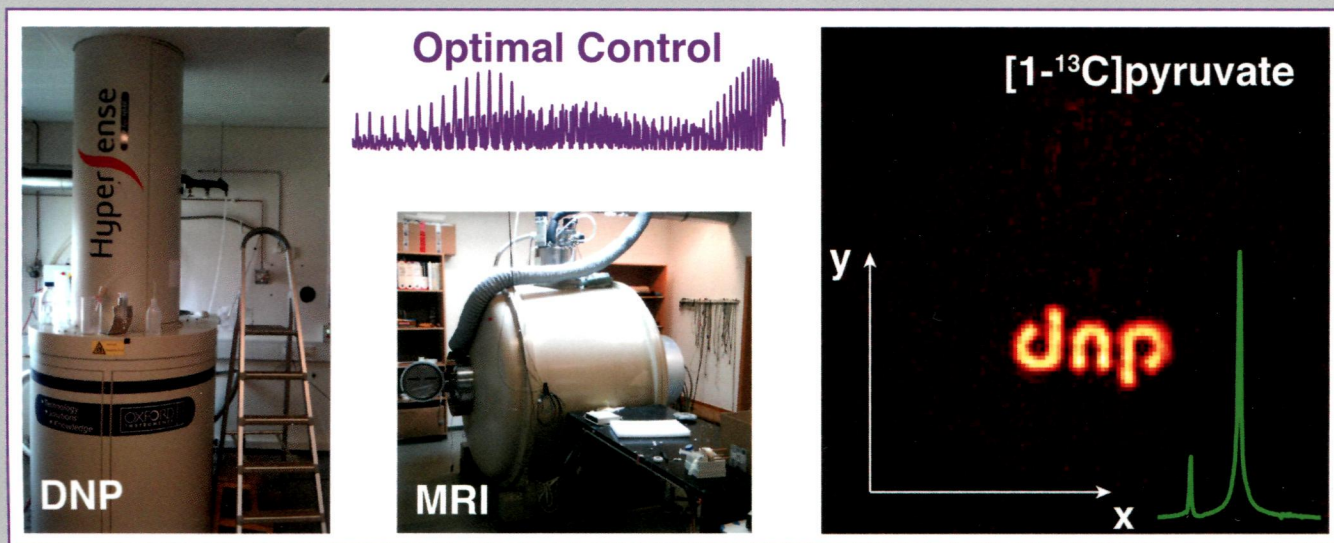
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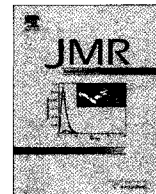


Optimal control derived 2D spatial-selective RF pulses were used in a dissolution DNP and MRI setup to localize  $^{13}\text{C}$  signal in hyperpolarized pyruvate samples.

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