

Real-time Automatic Temperature Regulation During In Vivo MRI-guided Laser Induced Thermotherapy (MR-LITT)

Manon Desclides^{1,2,*}, Valéry Ozenne¹, Pierre Bour², Thibaut Faller², Guillaume Machinet³, Christophe Pierre³, Stéphane Chemouny², Bruno Quesson¹

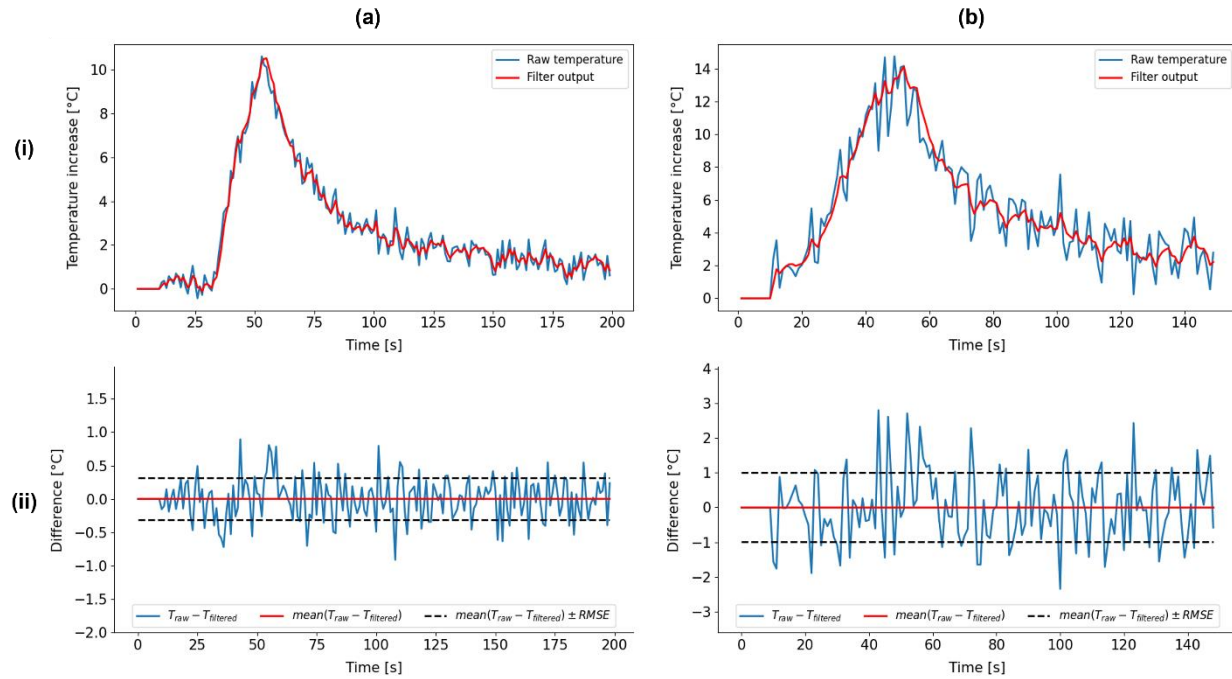
¹University of Bordeaux, CNRS, CRMSB, UMR 5536, IHU Liryc, Bordeaux, France

²Certis Therapeutics, Pessac, France

³ALPhANOV, Talence, France

*manon.desclides@u-bordeaux.fr

Supplementary Figures:



Supplementary figure S1: Examples of thermometry Kalman filtering. (i) shows Kalman filtered thermometry data (red curves) of the gelatin sample (a) and the pig muscle sample (b) raw temperature measurement (blue curves). (ii) shows the difference between the raw temperature and the filtered temperature, its mean and its RMSE for each example

