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Toward a model-free feedback control synthesis for treating acute inflammation

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**Highlights**

- A new data driven control approach is used to control an inflammatory immune response.
- The performance of the approach with respect to parameter variability and different initial conditions of a large set of virtual patients is evaluated with simulation.
- The results in the presence of measurements noise are also depicted. The robustness of the control through the use of a single reference trajectory is observed.

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