

Seminar

A step towards predicting the immune response

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Rapid antibody production in response to invading pathogens requires a dramatic expansion of antigen-specific B cells followed by differentiation into plasma cells. Utilizing iterative systems biology approach, we revealed deterministic cell fate decision and discovered a new regulatory network (mutual antagonism of cRel and Blimp1) of plasma cell differentiation. Multi-scale modeling showed how coordinated transcription factor dynamics control B cell populations in health and disease.

Thursday, Sep 5th 2019

10:30 AM (Tea/Coffee at 10:00 AM)

Seminar Hall, TIFR-H