



Mathematical Biology Seminar

Friday, June 10, 2022

3 pm MST (Hybrid)

Room – 457 CAB

Join Zoom Meeting

<https://ualberta->

[ca.zoom.us/j/95190239579?pwd=UC9ybzE0UGRxMVc4c0hwdHc5dzAxdz09](https://ualberta-ca.zoom.us/j/95190239579?pwd=UC9ybzE0UGRxMVc4c0hwdHc5dzAxdz09)



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The Influence of Human Behavior and Social Factors on the Spread of Infectious Diseases

Human behavior and social factors play important roles in the spread of infectious diseases, understanding the influence of them on the spread of diseases can be key to improving control efforts. In this talk I will introduce some recent studies on the influence of human behavior and social factors on the spread of infectious diseases. More specifically, studies on vaccination decision using Nash equilibrium strategy, the impact of social inequalities, and the influence of psychological effect will be reviewed. Both results and problems will be presented.