

Selected Publications

- Anderson HG, Takacs GP, Harrison JK, Rong L, Stepien TL. Optimal control of combination immunotherapy for a virtual murine cohort in a glioblastoma-immune dynamics model, *Journal of Theoretical Biology*, 595: 111951, 2024.
- Yang B, Li J, Haller MJ, Schatz DA, Rong L. Modeling the progression of type 2 diabetes with underlying obesity, *PLoS Computational Biology*, 19(2): e1010914, 2023.
- Rong L, Guedj J, Dahari H, Perelson AS. Treatment of hepatitis C with an interferon-based lead-in phase: A perspective from mathematical modeling. *Antiviral Therapy* 19, 469-477, 2014.
- Rong L, Perelson AS. Mathematical analysis of multiscale models for hepatitis C virus dynamics under therapy with direct-acting antiviral agents. *Mathematical Biosciences* 245, 22-30, 2013.
- Rong L, Guedj J, Dahari H, Coffield DJ, Levi M, Smith P, Perelson AS. Analysis of hepatitis C virus decline during treatment with the protease inhibitor danoprevir using a multiscale model. *PLoS Computational Biology* 9(3): e1002959, 2013.
- Guedj J, Dahari H, Rong L, Sansone ND, Nettles RE, Cottler SJ, Layden TJ, Uprichard SL, Perelson AS. Modeling shows that the NS5A inhibitor daclatasvir has two modes of action and yields a shorter estimate of the hepatitis C virus half-life. *Proceedings of the National Academy of Sciences of the USA* 110, 3991-3996, 2013.
- Huynh GT, Rong L. Modeling the dynamics of virus shedding into the saliva of Epstein-Barr virus positive individuals. *Journal of Theoretical Biology* 310, 105-114, 2012.
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