

Publications

Books (authored / co-authored)

- B5. Wodarz, D., Komarova, N. Dynamics of Cancer (2014): Mathematical Foundations of Oncology. 510 pp. World Scientific Publishing.
- B4. Komarova, N., Wodarz, D. (2013) Targeted cancer treatment in silico: small molecule inhibitors and oncolytic viruses. 250 pp. Birkhauser.
- B3. Wodarz D. (2006) Killer cell dynamics: Mathematical and Computational Approaches to Immunology. 220pp, Springer.
- B2. Wodarz D and Komarova NL (2005): Computational Biology of Cancer: Lecture notes and mathematical modeling. 264pp, World Scientific Publishing.

Edited Volumes

- B1. Guest Editor for Seminars in Cancer Biology, December 2005 issue: *Somatic evolution of cancer cells*. This volume contains a number of contributions on the topic of somatic evolution of cancer cells by leading scientists in the field.

Popular Articles

- P2. Wodarz D. & Komarova N.L. *Op-ed*: It's time to lift restrictions on studying gun violence and its prevention. STAT News, October 26, 2017.
- P1. Wodarz, D., Komarova, N.L. *Op-ed*: Calling for a data-driven approach to gun violence. Talking Points Memo (TPM), 20 September 2013

Papers

181. Uhl P, Lowengrub J, Komarova NL & **Wodarz D** (2021) Spatial dynamics of feedback and feedforward regulation in cell lineages. *bioRxiv*, <https://www.biorxiv.org/content/10.1101/2021.06.15.448623v1>.
180. Wang Y, Boland CR, Goel A, **Wodarz D**, & Komarova NL (2021) The protective effect of aspirin in colorectal carcinogenesis: a multiscale computational study from mutant evolution to age incidence curves. *bioRxiv*: <https://www.biorxiv.org/content/10.1101/2021.05.11.443671v1>

179. Kreger J, Brown D, Komarova NL, **Wodarz D** & Pritchard J (2021) The role of migration in mutant evolution in fragmented populations. *bioRxiv*, <https://www.biorxiv.org/content/10.1101/2021.06.09.447669v1>
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- 175 . **Wodarz D** (2021) Adaptive therapy and the cost of drug-resistant mutants. *Cancer Research* 81, 811-812.
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173. **Wodarz D**, Komarova NL, Schang LM. (2021) Role of high-dose exposure in transmission hot zones as a driver of SARS-CoV2 dynamics. *Journal of the Royal Society Interface* 18(176):20200916
172. Komarova NL, Azizi A, and **Wodarz D** (2021) Network models and the interpretation of prolonged infection plateaus in the COVID19 pandemic. *Epidemics* 24, 100463.
171. Weiss LD, ven den Driessche P, Lowengrub JS, **Wodarz D**, and Komarova NL (2021) Effect of feedback regulation on stem cell fractions in tissues and tumors: Understanding chemoresistance in cancer. *J. Theor. Biol.* 509:110499.
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- * 169. **Wodarz D**. and Komarova NL (2020) Mutant evolution in spatially structured and fragmented expanding populations. *Genetics* Jul 13:genetics.303422.2020
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