



## **Prof. Gennady Bocharov**

### **Contact**

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## Publications (23)

Bocharov G, Casella V, Argilaguet J, Grebennikov D, Güerri-Fernandez R, Ludewig B, Meyerhans A. Numbers Game and Immune Geography as Determinants of Coronavirus Pathogenicity. *Front Cell Infect Microbiol* 2020; 10:559209.

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Novkovic M, Onder L, Cheng H, Bocharov G, Ludewig B. Integrative Computational Modeling of the Lymph Node Stromal Cell Landscape. *Front Immunol* 2018; 9:2428.

Novkovic M, Onder L, Bocharov G, Ludewig B. Graph Theory-Based Analysis of the Lymph Node Fibroblastic Reticular Cell Network. *Methods Mol Biol* 2017; 1591:43-57.

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Bocharov G, Züst R, Cervantes-Barragan L, Luzyanina T, Chiglintsev E, Chereshnev V, Thiel V, Ludewig B. A systems immunology approach to plasmacytoid dendritic cell function in cytopathic virus infections. *PLoS Pathog* 2010; 6:e1001017.

Bocharov G, Eriksson K, Ludewig B, Cervantes-Barragan L (2007). Mathematical modelling of the antiviral type I interferon response.

Ludewig B, Bocharov G, Lutz M, Romani N, Steinkasserer A. A systems biologist's view on dendritic cell-cytotoxic T lymphocyte interaction. In: Handbook of Dendritic Cells. Weinheim: Wiley-VCH, 2006. ISBN 978-3-527-31109-5. pp. 455-480.

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Jung A, Maier R, Vartanian J, Bocharov G, Jung V, Fischer U, Meese E, Wain-Hobson S, Meyerhans A. Multiply infected spleen cells in HIV patients. *Nature* 2002; 418:144.

## Projects (1)

**Systems biology approach to molecularly characterize the lung cancer microenvironment**

*Fundamental Research - Jul 1, 2012 - Jun 30, 2014*

*Completed*

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