

## Резюме: Шаронов Георгий Владимирович

### Адрес

Федеральное государственное бюджетное учреждение науки Институт биоорганической химии им. академиков М.М. Шемякина и Ю.А. Овчинникова Российской академии наук, Москва, Россия

### Контакты

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### Образование

1997–	г.	Московский физико-технический институт (МФТИ)	Дипломы бакалавра и магистра прикладных физики и математики. Специализация: физико-химическая биология и биотехнология.
2003	Долгопрудный, Московская обл.		

### Работа в ИБХ

2020–наст.вр.	Старший научный сотрудник
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### Научные интересы

Основной областью научных интересов Шаронова Г.В. является механизм действия рецепторов и передачи сигнала через плазматическую мембрану. В этих исследованиях особое внимание уделяется роли липидов и цитоскелета.

### Степени и звания

Кандидат наук (Физико-математические науки)

### Публикации

1. Krasik SV, Bryushkova EA, **Sharonov GV**, Myalik DS, Shurganova EV, Komarov DV, Shagina IA, Shpudeiko PS, Turchaninova MA, Vakhitova MT, Samoylenko IV, Marinov DT, Demidov LV, Zagaynov VE, Chudakov DM, Serebrovskaya EO (2025). Systematic evaluation of intratumoral and peripheral BCR repertoires in three cancers. *Elife* 13, , [10.7554/eLife.89506](https://doi.org/10.7554/eLife.89506)
2. Izosimova AV, Shabalkina AV, Myshkin MY, Shurganova EV, Myalik DS, Ryzhichenko EO, Samitova AF, Barsova EV, Shagina IA, Britanova OV, Yuzhakova DV, **Sharonov GV** (2024). Local Enrichment with Convergence of Enriched T-Cell Clones Are Hallmarks of Effective Peptide Vaccination against B16 Melanoma. *Vaccines (Basel)* 12 (4), 345, [10.3390/vaccines12040345](https://doi.org/10.3390/vaccines12040345)
3. Goncharov MM, Bryushkova EA, Sharayev NI, Skatova VD, Baryshnikova AM, **Sharonov GV**, Karnaukhov V, Vakhitova MT, Samoylenko IV, Demidov LV, Lukyanov S, Chudakov DM, Serebrovskaya EO (2022). Pinpointing the tumor-specific T-cells via TCR clusters. *Elife* 11, , [10.7554/eLife.77274](https://doi.org/10.7554/eLife.77274)
4. Izraelson M, Metsger M, Davydov AN, Shagina IA, Dronina MA, Obratsova AS, Mishevich DA, Mamedov IZ, Volchkova LN, Nakonechnaya TO, Shugay M, Bolotin DA, Staroverov DB, **Sharonov GV**, Kondratyuk EY, Zagaynova EV, Lukyanov S, Shams I, Britanova OV, Chudakov DM (2021). Distinct organization of adaptive immunity in the long-lived rodent *Spalax galili*. *Nat Aging* 1 (2), 179–189, [10.1038/s43587-021-00029-3](https://doi.org/10.1038/s43587-021-00029-3)
5. **Sharonov GV**, Nekrasova OV, Kudryashova KS, Kirpichnikov MP, Feofanov AV (2021). Bioengineered System for High Throughput Screening of Kv1 Ion Channel Blockers. *Bioengineering (Basel)* 8 (11), 187, [10.3390/bioengineering8110187](https://doi.org/10.3390/bioengineering8110187)
6. Izosimova AV, Yuzhakova DV, Skatova VD, Volchkova LN, Zagaynova EV, Chudakov DM, **Sharonov GV** (2021). Deciphering repertoire of b16 melanoma reactive tcra by immunization, in vitro restimulation and sequencing of ifnγ-secreting t cells. *Int J Mol Sci* 22 (18), , [10.3390/ijms22189859](https://doi.org/10.3390/ijms22189859)

7. Druzhkova I, Shirmanova M, Ignatova N, Dudenkova V, Lukina M, Zagaynova E, Safina D, Kostrov S, Didych D, Kuzmich A, **Sharonov G**, Rakitina O, Alekseenko I, Sverdlov E (2020). Expression of EMT-Related Genes in Hybrid E/M Colorectal Cancer Cells Determines Fibroblast Activation and Collagen Remodeling. *Int J Mol Sci* 21 (21), 1–26, [10.3390/ijms21218119](https://doi.org/10.3390/ijms21218119)
8. Yuzhakova DV, Volchkova LN, Pogorelyy MV, Serebrovskaya EO, Shagina IA, Bryushkova EA, Nakonechnaya TO, Izosimova AV, Zavyalova DS, Karabut MM, Izraelson M, Samoylenko IV, Zagaynov VE, Chudakov DM, Zagaynova EV, **Sharonov GV** (2020). Measuring Intratumoral Heterogeneity of Immune Repertoires. *Front Oncol* 10, 512, [10.3389/fonc.2020.00512](https://doi.org/10.3389/fonc.2020.00512)
9. Zhigalova EA, Izosimova AI, Yuzhakova DV, Volchkova LN, Shagina IA, Turchaninova MA, Serebrovskaya EO, Zagaynova EV, Chudakov DM, **Sharonov GV** (2020). RNA-Seq-Based TCR Profiling Reveals Persistently Increased Intratumoral Clonality in Responders to Anti-PD-1 Therapy. *Front Oncol* 10, 385, [10.3389/fonc.2020.00385](https://doi.org/10.3389/fonc.2020.00385)
10. Balatskaya MN, Baglay AI, Rubtsov YP, **Sharonov GV** (2020). Analysis of GPI-Anchored Receptor Distribution and Dynamics in Live Cells by Tag-mediated Enzymatic Labeling and FRET. *Methods Protoc.* 3 (2), 1–20, [10.3390/mps3020033](https://doi.org/10.3390/mps3020033)
11. **Sharonov GV**, Serebrovskaya EO, Yuzhakova DV, Britanova OV, Chudakov DM (2020). B cells, plasma cells and antibody repertoires in the tumour microenvironment. *Nat Rev Immunol* 20 (5), 294–307, [10.1038/s41577-019-0257-x](https://doi.org/10.1038/s41577-019-0257-x)
12. Balatskaya MN, **Sharonov GV**, Baglay AI, Rubtsov YP, Tkachuk VA (2019). Different spatiotemporal organization of GPI-anchored T-cadherin in response to low-density lipoprotein and adiponectin. *BIOCHIM BIOPHYS ACTA* 1863 (11), 129414, [10.1016/j.bbagen.2019.129414](https://doi.org/10.1016/j.bbagen.2019.129414)
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15. Davydov AN, Obraztsova AS, Lebedin MY, Turchaninova MA, Staroverov DB, Merzlyak EM, **Sharonov GV**, Kladova O, Shugay M, Britanova OV, Chudakov DM (2018). Comparative Analysis of B-Cell Receptor Repertoires Induced by Live Yellow Fever Vaccine in Young and Middle-Age Donors. *Front Immunol* 9 (OCT), 2309, [10.3389/fimmu.2018.02309](https://doi.org/10.3389/fimmu.2018.02309)
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