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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

1995–2000

Россия, Москва

МГУ им. Ломоносова

Работа в ИБХ

Заведующий отделом

Заведующий лабораторией

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Главный научный сотрудник

Членство в советах и комиссиях ИБХ

Ученый совет

Награды

- | | | |
|------|--|---|
| 2012 | Премия президента в области науки и инноваций для молодых ученых | За разработку генетически кодируемых флуоресцентных маркёров для визуализации объектов и процессов в биомедицинских исследованиях |
| 2004 | Медали РАН для молодых ученых и студентов с премией | За работу «Флуоресцентные и фотоактивируемые флуоресцентные белки» |
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Научные интересы

Специалист в области адаптивного иммунитета, автор более 130 работ в рецензируемых научных журналах, ряда международных патентов. Индекс Хирша - 50, цитирований - 9000. Принимал участие в более чем 50 международных конференциях.

Членство в сообществах

Член Совета по грантам Президента РФ для государственной поддержки молодых российских ученых (2013-2016), член Совета по науке при Министерстве образования и науки РФ (2013-2016). Эксперт научных фондов РФФИ, РНФ, европейских научных фондов.

Степени и звания

2016 Профессор РАН

Доктор наук (Биологические науки, 03.00.03 — Молекулярная биология)

Гранты и проекты

2019– наст.вр.	Происхождение и пластичность функциональных популяций В лимфоцитов и плазматических клеток
2017–2019	Сравнительный биоинформатический анализ гамма/дельта Т-клеточных рецепторов человека

Публикации

1. Izosimova AV, Yuzhakova DV, Skatova VD, Volchkova LN, Zagainova EV, **Chudakov DM**, Sharonov GV (2021). Deciphering repertoire of b16 melanoma reactive tcrs by immunization, in vitro restimulation and sequencing of ifn γ -secreting t cells. *Int J Mol Sci* 22 (18), , [10.3390/ijms22189859](#)
2. (конференция) Звягин ИВ, Комеч ЕА, **Чудаков ДМ** (2021). AS-RELATED TCR BETA CLONOTYPES ARE PRESENT IN DIFFERENT INFLAMED TISSUES OF PATIENTS WITH SPONDYLOARTHROPATHIES. *Ann Rheum Dis* (80), 14–15, [10.1136/annrheumdis-2021-eular.3535](#)
3. Minervina AA, Komech EA, Titov A, Korachi MB, Rosati E, Mamedov IZ, Franke A, Efimov GA, **Chudakov DM**, Mora T, Walczak AM, Lebedev YB, Pogorelyy MV (2021). Longitudinal high-throughput TCR repertoire profiling reveals the dynamics of T-cell memory formation after mild COVID-19 infection. *Elife* 10, 1–17, [10.7554/eLife.63502](#)
4. Kasatskaya SA, Ladell K, Egorov ES, Miners KL, Davydov AN, Metsger M, Staroverov DB, Matveishina EK, Shagina IA, Mamedov IZ, Izraelson M, Shelyakin PV, Britanova OV, Price DA, **Chudakov DM** (2020). Functionally specialized human CD4 T cell subsets express physicochemically distinct TCRs. *Elife* 9, 1–22, [10.7554/eLife.57063](#)
5. Kalinina AA, Nesterenko LN, Bruter AV, Balunets DV, **Chudakov DM**, Izraelson M, Britanova OV, Khromykh LM, Kazansky DB (2020). Adoptive Immunotherapy Based on Chain-Centric TCRs in Treatment of Infectious Diseases. *iScience* 23 (12), 101854, [10.1016/j.isci.2020.101854](#)
6. Blagov S, Zvyagin IV, Shelikhova L, Khismatullina R, Balashov D, Komech E, Fomchenkova V, Shugay M, Starichkova J, Kurnikova E, Pershin D, Fadeeva M, Glushkova S, Muzalevskii Y, Kazachenok A, Efimenko M, Osipova E, Novichkova G, **Chudakov D**, Maschan A, Maschan M (2020). T-cell tracking, safety, and effect of low-dose donor memory T-cell infusions after $\alpha\beta$ T cell-depleted hematopoietic stem cell transplantation. *Bone Marrow Transplant* 56 (4), 900–908, [10.1038/s41409-020-01128-2](#)
7. Galletti G, De Simone G, Mazza EMC, Puccio S, Mezzanotte C, Bi TM, Davydov AN, Metsger M, Scamardella E, Alvisi G, De Paoli F, Zanon V, Scarpa A, Camisa B, Colombo FS, Anselmo A, Peano C, Polletti S, Mavilio D, Gattinoni L, Boi SK, Youngblood BA, Jones RE, Baird DM, Gostick E, Llewellyn-Lacey S, Ladell K, Price DA, **Chudakov DM**, Newell EW, Casucci M, Lugli E (2020). Two subsets of stem-like CD8+ memory T cell progenitors with distinct fate commitments in humans. *Nat Immunol* 21 (12), 1552–1562, [10.1038/s41590-020-0791-5](#)
8. Logunova NN, Kriukova VV, Shelyakin PV, Egorov ES, Pereverzeva A, Bozhanova NG, Shugay M, Shcherbinin DS, Pogorelyy MV, Merzlyak EM, Zubov VN, Meiler J, **Chudakov DM**, Apt AS, Britanova OV (2020). MHC-II alleles shape the CDR3 repertoires of conventional and regulatory naïve CD4 T cells. *Proc Natl Acad Sci U S A* 117 (24), 13659–13669, [10.1073/pnas.2003170117](#)
9. Yuzhakova DV, Volchkova LN, Pogorelyy MV, Serebrovskaya EO, Shagina IA, Bryushkova EA, Nakonechnaya TO, Izosimova AV, Zavyalova DS, Karabut MM, Izraelson M, Samoylenko IV, Zagainov VE, **Chudakov DM**, Zagaynova EV, Sharonov GV (2020). Measuring Intratumoral Heterogeneity of Immune Repertoires. *Front Oncol* 10, 512, [10.3389/fonc.2020.00512](#)
10. 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](#)
11. Aparicio-Soto M, Riedel F, Leddermann M, Bacher P, Scheffold A, Kuhl H, Timmermann B, **Chudakov DM**, Molin S, Worm M, Heine G, Thierse HJ, Luch A, Siewert K (2020). TCRs with segment TRAV9-2 or a CDR3 histidine are overrepresented among nickel-specific CD4+ T cells. *Allergy* 75 (10), 2574–2586,

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31. Fan X, Moltedo B, Mendoza A, Davydov AN, Faire MB, Mazutis L, Sharma R, Peer D, **Chudakov DM**, Rudensky AY (2018). CD49b defines functionally mature Treg cells that survey skin and vascular tissues. *J Exp Med* 215 (11), 2796–2814, [10.1084/jem.20181442](https://doi.org/10.1084/jem.20181442)
32. Davydov AN, Obratsova 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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38. (конференция) Fomchenkova E, Komech A, Blagov , Sycheva L, Lebedev B, **Chudakov M**, Maschan A, Zvyagin V (2018). T cell repertoire profiling after hematopoietic stem cell transplantation with CD19/ $\alpha\beta$ T cell depletion and donor lymphocyte infusion. *FEBS Open Bio* 8 (S1), 281: P.09–230–Tue.
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