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Publications

PUBLICATIONS

- **Mucosal vaccination in mice provides protection from diverse respiratory threats.** *Science (New York, N.Y.)*
Zhang, H., Floyd, K., Fang, Z., Hoffmann, F. A., Lee, A., Froggatt, H. M., Bharj, G., Xie, X., Eppler, H. B., Santagata, J. M., Wang, Y., Hu, M., Fox, et al
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- **A Murine Database of Structural Variants Identifies A Candidate Gene for a Spontaneous Murine Lymphoma Model.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
Ren, W., Fang, Z., Dolzhenko, E., Saunders, C. T., Cheng, Z., Popic, V., Peltz, G.
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- **A tandem repeat atlas for the genome of inbred mouse strains: A genetic variation resource.** *iScience*
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- **AI-Assisted Drug Re-Purposing for Human Liver Fibrosis.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
Guan, Y., Cui, L., Inchai, J., Fang, Z., Law, J., Brito, A. A., Pawlosky, A., Gottweis, J., Daryin, A., Myaskovsky, A., Ramakrishnan, L., Palepu, A., Kulkarni, et al
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- **Antibiotic-induced gut microbiome perturbation alters the immune responses to the rabies vaccine.** *Cell host & microbe*
Feng, Y., de Jong, S. E., Oliveira, A. P., Samaha, H., Yang, F., Hu, M., Wang, Y., Beydoun, N., Xie, X., Zhang, H., Kazmin, D., Fang, Z., Zou, et al
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- **Altered baseline immunological state and impaired immune response to SARS-CoV-2 mRNA vaccination in lung transplant recipients.** *Cell reports. Medicine*
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- **A Murine Database of Structural Variants Enables the Genetic Architecture of a Spontaneous Murine Lymphoma to be Characterized.** *bioRxiv : the preprint server for biology*
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- **Live Cell Imaging of Human Liver Fibrosis using Hepatic Micro-Organoids.** *JCI insight*
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2024
- **Twenty-first century mouse genetics is again at an inflection point.** *Lab animal*
Fang, Z., Peltz, G.
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- **GenomeMUSter mouse genetic variation service enables multitrait, multipopulation data integration and analysis.** *Genome research*
Ball, R. L., Bogue, M. A., Liang, H., Srivastava, A., Ashbrook, D. G., Lamoureux, A., Gerring, M. W., Hatoum, A. S., Kim, M. J., He, H., Emerson, J., Berger, A. K., Walton, et al

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- **BCG vaccination stimulates integrated organ immunity by feedback of the adaptive immune response to imprint prolonged innate antiviral resistance.** *Nature immunology*
Lee, A., Floyd, K., Wu, S., Fang, Z., Tan, T. K., Froggatt, H. M., Powers, J. M., Leist, S. R., Gully, K. L., Hubbard, M. L., Li, C., Hui, H., Scoville, et al
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- **PRPF8 controls alternative splicing of PIRH2 to modulate the p53 pathway and survival of human ESCs.** *Journal of cellular physiology*
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- **SOX21 Ensures Rostral Forebrain Identity by Suppression of WNT8B during Neural Regionalization of Human Embryonic Stem Cells** *STEM CELL REPORTS*
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