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Publications

PUBLICATIONS

- **NETosis-derived PADs mediate Citrullination of Oral Bacteria to promote Inflammation in Rheumatoid Arthritis.** *The Journal of rheumatology*
Acharya, S., Brewer, C., Gomez, A. M., Younis, S., Pandit, M., Jahanbani, S., Sharpe, O., Love, Z. Z., Howard, M. C., Orange, D. E., Robinson, W. H.
2026
- **Epstein-Barr virus reprograms autoreactive B cells as antigen-presenting cells in systemic lupus erythematosus.** *Science translational medicine*
Younis, S., Moutusy, S. I., Rasouli, S., Jahanbani, S., Pandit, M., Wu, X., Acharya, S., Sharpe, O., Wijeratne, T. U., Harris, M. L., Yang, E. Y., Chaichian, Y., Parsafar, et al
2025; 17 (824): eady0210
- **Microbial activation of cytotoxic CD8⁺ T cells promotes skin immunerelated adverse events in patients treated with immune checkpoint inhibitors**
Younis, S., Acharya, S., Swaminathan, G., Wong, H., Kim, H., Eschholz, A., Hegde, S., McKnight, A., Robinson, W., Zaba, L.
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- **Anti-citrullinated protein antibodies with multiple specificities ameliorate collagen antibody-induced arthritis in a time-dependent manner.** *Arthritis & rheumatology (Hoboken, N.J.)*
Gomez, A. M., Brewer, R. C., Moon, J. S., Acharya, S., Kongpachith, S., Wang, Q., Jahanbani, S., Wong, H. H., Lanz, T. V., Love, Z. Z., Min-Oo, G., Niedziela-Majka, A., Robinson, et al
2023
- **Rheumatoid Arthritis Patient-derived Anti-citrullinated Protein Antibodies (ACPAs) Ameliorate Joint Inflammation in Early Collagen-antibody Induced Arthritis (CAIA)**
Gomez, A., Brewer, C., Moon, J., Acharya, S., Lanz, T. V., Wang, Q., Min-Oo, G., Niedziela-Majka, A., Robinson, W.
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- **Geranylgeranyl pyrophosphate amplifies Treg differentiation via increased IL-2 expression to ameliorate DSS-induced colitis.** *European journal of immunology*
Pandit, M., Acharya, S., Gu, Y., Seo, S. U., Kweon, M. N., Kang, B., Chang, J. H.
2021
- **Heterospheroid formation improves therapeutic efficacy of mesenchymal stem cells in murine colitis through immunomodulation and epithelial regeneration.** *Biomaterials*
Regmi, S. n., Seo, Y. n., Ahn, J. S., Pathak, S. n., Acharya, S. n., Nguyen, T. T., Yook, S. n., Sung, J. H., Park, J. B., Kim, J. O., Young, C. S., Kim, H. S., Jeong, et al
2021; 271: 120752
- **AMPK promotes antitumor immunity by downregulating PD-1 in regulatory T cells via the HMGR/p38 signaling pathway** *Molecular cancer*
Acharya, S.
2021
- **Particulate-Based Single-Dose Local Immunosuppressive Regimen for Inducing Tolerogenic Dendritic Cells in Xenogeneic Islet Transplantation.** *Advanced healthcare materials*
Pathak, S., Acharya, S., Regmi, S., Shrestha, P., You, Z., Bae, Y. K., Park, M. H., Yook, S., Kim, J., Park, S. Y., Jeong, D., Yong, C. S., Kim, et al
2020: e2001157

- **Reprogramming the T cell response to cancer by simultaneous, nanoparticle-mediated PD-L1 inhibition and immunogenic cell death** *JOURNAL OF CONTROLLED RELEASE*
Cao Dai Phung, Hanh Thuy Nguyen, Choi, J., Thanh Tung Pham, Acharya, S., Timilshina, M., Chang, J., Kim, J., Jeong, J., Ku, S., Choi, H., Yong, C., Kim, J.
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- **Mevalonate promotes differentiation of regulatory T cells** *JOURNAL OF MOLECULAR MEDICINE-JMM*
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- **Activation of Mevalonate Pathway via LKB1 Is Essential for Stability of T-reg Cells** *CELL REPORTS*
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- **Amelioration of Experimental autoimmune encephalomyelitis and DSS induced colitis by NTG-A-009 through the inhibition of Th1 and Th17 cells differentiation** *SCIENTIFIC REPORTS*
Acharya, S., Timilshina, M., Jiang, L., Neupane, S., Choi, D., Park, S., Lee, S., Jeong, B., Kim, J., Nam, T., Chang, J.
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