

**Neoantigen Immunogenicity Landscapes and Evolution of Tumor Ecosystems During Immunotherapy with Nivolumab**

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**Using an oncolytic virus to induce regulatory T cell fragility in the tumor microenvironment and overcome treatment resistance**

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**Impact of LAG3 on CD8+ T cell motility and migration**

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**Abdulla Berjis**, Deeksha Muthumani, Oscar A. Aguilar, Oz Pomp, Omar Johnson, Amanda V. Finck, John Scholler, Lewis L. Lanier, Carl H. June, Neil C. Sheppard  
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**Debasmita Mukherjee**, Srija Chakraborty, Lena Bercz, Liliana D'Alesio, Jessica Wedig, Hannah Lathrop, Abigail Guenther, Timothy L. Frankel, Aleksander Skardal, Thomas A. Mace  
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**Changes in the Microbiome After Treatment: Are We Setting Cancer Patients Back Before They Begin?**

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**Development of Semi-Synthetic Biologic Covalent Immune Engagers for Tumor Immunotherapy**

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**Investigating the mechanisms of Helicobacter hepaticus mediated lymphangiogenesis and tertiary lymphoid structure formation.**

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**Fate mapping LAG3+ exhausted CD8+ T cells.**

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**Enhancing CAR-T Cell Function In CLL By Targeted CRISPR-library Screening From Lentiviral Integration Site Analyses**

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**Inhibition of Pyrimidine Metabolism Improves CD8+ T cell Antitumor Response**

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**STING agonist-mediated IL-18 induction enhances CAR T cell function**

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**Developing a CAR-T Cell Platform to deplete T Regulatory Cells from the Tumor Microenvironment to improve Cancer Immunotherapy**

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**Inflammatory Bone Marrow Mesenchymal Stem Cells in Multiple Myeloma: Transcriptional Signature and In Vitro Modeling**

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**Hakimeh Ebrahimi-Nik**, Christina K Baumgartner, Arvin Iracheta-Vellve, Keith M Hamel, Kira E Olander, Marcia N Paddock, Jennifer M Frost, Kathleen B Yates, Philip R Kym, Robert T Manguso  
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**Charles E. Bardawil**, Hannah M. Udoh, Amy A. Powers, Seth H. Eisenberg, Riyue Bao, Elaine V. Byrnes, Lora H. Rigatti, Rajeev Dhupar, Adam C. Soloff  
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**Tumor cell SREBP1 pathway drives immune exclusion in hepatocellular carcinoma**

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**Obesity-mediated perineural invasion promotes PDAC tumorigenesis**

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**Unveiling the role of the neglected immune checkpoint inhibitor VISTA on Natural Killer cells.**

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**Ryan A. Lacinski**, Sebastian A. Dziadowicz, Vincent K. Melemai, Brody Fitzpatrick, John J. Pisquiy, Ines Lohse, Karen E. Schoedel, Nicolas J. Llosa, Kurt R. Weiss, Brock A. Lindsey  
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**Role of Fez1 in Retinoic Acid Receptor-mediated transcription in MLL-r leukemias**

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**Tumor-infiltrating T cell surface glycosylation dynamically changes during progression to exhaustion**

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**HDAC11 inhibitors have increased efficacy in MLL-rearranged leukemias**

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**Unraveling the Role of Myeloperoxidase during Pancreatic Cancer Progression and Immunotherapy Response.**

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**Investigating the impact of TIM-3 on NK cell-mediated antitumor immunity in head and neck squamous carcinoma**

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**Epigenetic screens reveal ARID1A as a therapeutic vulnerability in small cell lung cancer**

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**Investigating  $\alpha$ - and  $\beta$ -emitting radionuclides targeting myeloid cells in a preclinical glioma model**

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**Elucidation of molecular functions of ZNF71 in non-small cell lung cancer**

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**Identification of HPV oncogene and host cell differentiation associated heterogeneity in cervical cancer via single-cell transcriptomics**

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**Programming Universal Chimeric Antigen Receptor (CAR) T Cells Using Small Molecule Adaptors**

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**Photodynamic Therapy Influences Intratumoral Macrophages and Induces Anti-Tumor Immunity**

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**Radiomic analysis of patient and organ-specific (OS) heterogeneity in response to immunotherapies (IT) and BRAF therapy in metastatic melanoma (MEL)**

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**A targeted microneedle array patch delivered immunotherapy for cutaneous squamous cell carcinoma**

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