

# George F Murphy

## List of Publications by Year in descending order

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77  
papers

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citations

218677

26  
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80  
docs citations

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times ranked

8109  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Loss of 5-Hydroxymethylcytosine Is an Epigenetic Hallmark of Melanoma. <i>Cell</i> , 2012, 150, 1135-1146.   | 28.9 | 688       |
| 2  | Melanoma Cell-Intrinsic PD-1 Receptor Functions Promote Tumor Growth. <i>Cell</i> , 2015, 162, 1242-1256.  | 28.9 | 507       |
| 3  | Increased GVHD-related mortality with broad-spectrum antibiotic use after allogeneic hematopoietic stem cell transplantation in human patients and mice. <i>Science Translational Medicine</i> , 2016, 8, 339ra71. | 12.4 | 404       |
| 4  | Glucose-regulated phosphorylation of TET2 by AMPK reveals a pathway linking diabetes to cancer. <i>Nature</i> , 2018, 559, 637-641.  | 27.8 | 327       |
| 5  | ABCB5 is a limbal stem cell gene required for corneal development and repair. <i>Nature</i> , 2014, 511, 353-357.  | 27.8 | 217       |
| 6  | ABCB5 Maintains Melanoma-Initiating Cells through a Proinflammatory Cytokine Signaling Circuit. <i>Cancer Research</i> , 2014, 74, 4196-4207.  | 0.9  | 118       |
| 7  | Keloids and Hypertrophic Scars. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2013, 1, e25.  | 0.6  | 117       |
| 8  | Cancer-Germline Antigen Expression Discriminates Clinical Outcome to CTLA-4 Blockade. <i>Cell</i> , 2018, 173, 624-633.e8.   | 28.9 | 113       |
| 9  | Primary lymphoma of bone the relationship of morphologic diversity to clinical behavior. <i>Cancer</i> , 1982, 50, 1009-1014.  | 4.1  | 100       |
| 10 | Autophagy Gene Atg16l1 Prevents Lethal T Cell Alloreactivity Mediated by Dendritic Cells. <i>Immunity</i> , 2014, 41, 579-591.   | 14.3 | 87        |
| 11 | The Spatial Landscape of Progression and Immunoediting in Primary Melanoma at Single-Cell Resolution. <i>Cancer Discovery</i> , 2022, 12, 1518-1541.   | 9.4  | 87        |
| 12 | Biomarker evaluation of face transplant rejection: association of donor T cells with target cell injury. <i>Modern Pathology</i> , 2014, 27, 788-799.  | 5.5  | 71        |
| 13 | Melanoma epigenetics: novel mechanisms, markers, and medicines. <i>Laboratory Investigation</i> , 2014, 94, 822-838.   | 3.7  | 69        |
| 14 | Diagnostic Immunohistochemistry in Cutaneous Neoplasia: An Update. <i>Dermatopathology (Basel)</i> , 2015, 10, 1-10.   | 1.5  | 68        |
| 15 | ABCB5 Identifies Immunoregulatory Dermal Cells. <i>Cell Reports</i> , 2015, 12, 1564-1574.   | 6.4  | 51        |
| 16 | Targeted next-generation sequencing reveals high frequency of mutations in epigenetic regulators across treatment-naïve patient melanomas. <i>Clinical Epigenetics</i> , 2015, 7, 59.                              | 4.1  | 49        |
| 17 | Chronic rejection of human face allografts. <i>American Journal of Transplantation</i> , 2019, 19, 1168-1177.  | 4.7  | 48        |
| 18 | Targeting antigen-presenting cells by anti-PD-1 nanoparticles augments antitumor immunity. <i>JCI Insight</i> , 2018, 3, .   | 5.0  | 48        |

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|----|--|------|-----------|
| 19 | Loss of 5-hydroxymethylcytosine correlates with increasing morphologic dysplasia in melanocytic tumors. <i>Modern Pathology</i> , 2014, 27, 936-944.   | 5.5  | 46        |
| 20 | Stem cells and targeted approaches to melanoma cure. <i>Molecular Aspects of Medicine</i> , 2014, 39, 33-49.   | 6.4  | 44        |
| 21 | Epigenetic Reprogramming Strategies to Reverse Global Loss of 5-Hydroxymethylcytosine, a Prognostic Factor for Poor Survival in High-grade Serous Ovarian Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 1389-1401.                                   | 7.0  | 43        |
| 22 | 5-Hydroxymethylcytosine expression in metastatic melanoma versus nodal nevus in sentinel lymph node biopsies. <i>Modern Pathology</i> , 2015, 28, 218-229.   | 5.5  | 41        |
| 23 | Loss of GCNT2/I-branched glycans enhances melanoma growth and survival. <i>Nature Communications</i> , 2018, 9, 3368.  | 12.8 | 40        |
| 24 | An epithelial target site in experimental graft-versus-host disease and cytokine-mediated cytotoxicity is defined by cytokeratin 15 expression. <i>Biology of Blood and Marrow Transplantation</i> , 2003, 9, 559-570.                                     | 2.0  | 36        |
| 25 | In vivo safety profile and biodistribution of GMP-manufactured human skin-derived ABCB5-positive mesenchymal stromal cells for use in clinical trials. <i>Cytotherapy</i> , 2019, 21, 546-560.   | 0.7  | 35        |
| 26 | Melanoma Cell Galectin-1 Ligands Functionally Correlate with Malignant Potential. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1849-1862.  | 0.7  | 29        |
| 27 | Mucosa and Rejection in Facial Vascularized Composite Allotransplantation: A Systematic Review. <i>Transplantation</i> , 2020, 104, 2616-2624.   | 1.0  | 29        |
| 28 | Association of Nodal Metastasis and Mortality With Vermilion vs Cutaneous Lip Location in Cutaneous Squamous Cell Carcinoma of the Lip. <i>JAMA Dermatology</i> , 2018, 154, 701.  | 4.1  | 26        |
| 29 | Nrf2 regulates CD4+ T cell-induced acute graft-versus-host disease in mice. <i>Blood</i> , 2018, 132, 2763-2774.   | 1.4  | 26        |
| 30 | Ex vivo-expanded highly pure ABCB5+ mesenchymal stromal cells as Good Manufacturing Practice-compliant autologous advanced therapy medicinal product for clinical use: process validation and first in-human data. <i>Cytotherapy</i> , 2021, 23, 165-175. | 0.7  | 26        |
| 31 | Melanoma Spheroid Formation Involves Laminin-Associated Vasculogenic Mimicry. <i>American Journal of Pathology</i> , 2014, 184, 71-78.   | 3.8  | 25        |
| 32 | Accelerated chronic skin changes without allograft vasculopathy: A 10-year outcome report after face transplantation. <i>Surgery</i> , 2020, 167, 991-998.   | 1.9  | 23        |
| 33 | Assessing the Prognostic Significance of Tumor-Infiltrating Lymphocytes in Patients With Melanoma Using Pathologic Features Identified by Natural Language Processing. <i>JAMA Network Open</i> , 2021, 4, e2126337.                                       | 5.9  | 23        |
| 34 | Targeting Nodal in Conjunction with Dacarbazine Induces Synergistic Anticancer Effects in Metastatic Melanoma. <i>Molecular Cancer Research</i> , 2015, 13, 670-680.   | 3.4  | 22        |
| 35 | Increased levels of circulating MMP3 correlate with severe rejection in face transplantation. <i>Scientific Reports</i> , 2018, 8, 14915.  | 3.3  | 21        |
| 36 | Full facial retransplantation in a female patient—Technical, immunologic, and clinical considerations. <i>American Journal of Transplantation</i> , 2021, 21, 3472-3480.   | 4.7  | 21        |

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|----|--|-----|-----------|
| 37 | ABCB5-Targeted Chemoresistance Reversal Inhibits Merkel Cell Carcinoma Growth. <i>Journal of Investigative Dermatology</i> , 2016, 136, 838-846.   | 0.7 | 19        |
| 38 | Evaluation of stromal HGF immunoreactivity as a biomarker for melanoma response to RAF inhibitors. <i>Modern Pathology</i> , 2014, 27, 1193-1202.  | 5.5 | 18        |
| 39 | Merkel cell carcinoma expresses vasculogenic mimicry: demonstration in patients and experimental manipulation in xenografts. <i>Laboratory Investigation</i> , 2014, 94, 1092-1102.                            | 3.7 | 17        |
| 40 | Toward an Objective Diagnostic Test for Bacterial Cellulitis. <i>PLoS ONE</i> , 2016, 11, e0162947.  | 2.5 | 16        |
| 41 | Failure of antibiotics in cellulitis trials: a systematic review and meta-analysis. <i>American Journal of Emergency Medicine</i> , 2016, 34, 1645-1652.   | 1.6 | 16        |
| 42 | Loss of the Epigenetic Mark 5-hmC in Psoriasis: Implications for Epidermal Stem Cell Dysregulation. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1266-1275.e3.                                     | 0.7 | 16        |
| 43 | 5-Hydroxymethylcytosine is a nuclear biomarker to assess biological potential in histologically ambiguous heavily pigmented melanocytic neoplasms. <i>Journal of Cutaneous Pathology</i> , 2017, 44, 249-255.  | 1.3 | 14        |
| 44 | Targeting melanoma with front-line therapy does not abrogate Nodal-expressing tumor cells. <i>Laboratory Investigation</i> , 2017, 97, 176-186.  | 3.7 | 14        |
| 45 | Loss of the epigenetic mark, 5-Hydroxymethylcytosine, correlates with small cell/nevoid subpopulations and assists in microstaging of human melanoma. <i>Oncotarget</i> , 2015, 6, 37995-38004.                | 1.8 | 14        |
| 46 | Gene expression profiling of anti-CTLA4-treated metastatic melanoma in patients with treatment-induced autoimmunity. <i>Laboratory Investigation</i> , 2017, 97, 207-216.                                      | 3.7 | 13        |
| 47 | Pathologies of oral and sinonasal mucosa following facial vascularized composite allotransplantation. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 1562-1571.                   | 1.0 | 13        |
| 48 | IL-1R Type 1 Deficient Mice Demonstrate an Impaired Host Immune Response against Cutaneous Vaccinia Virus Infection. <i>Journal of Immunology</i> , 2017, 198, 4341-4351.                                      | 0.8 | 12        |
| 49 | Biological significance of 5-hydroxymethylcytosine in oral epithelial dysplasia and oral squamous cell carcinoma. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 125, 59-73.e2. | 0.4 | 12        |
| 50 | Allogeneic ABCB5+ Mesenchymal Stem Cells for Treatment-Refractory Chronic Venous Ulcers: A Phase I/IIa Clinical Trial. <i>JID Innovations</i> , 2022, 2, 100067.   | 2.4 | 12        |
| 51 | Histopathologic spectrum of hypersensitivity reactions associated with anti-CD52 therapy (alemtuzumab). <i>Journal of Cutaneous Pathology</i> , 2016, 43, 989-993.   | 1.3 | 10        |
| 52 | Cutaneous Squamous Cell Carcinomas of the Lower Extremities Show Distinct Clinical and Pathologic Features. <i>International Journal of Surgical Pathology</i> , 2016, 24, 29-36.                              | 0.8 | 9         |
| 53 | ATF-3 expression inhibits melanoma growth by downregulating ERK and AKT pathways. <i>Laboratory Investigation</i> , 2021, 101, 636-647.  | 3.7 | 8         |
| 54 | Digital dermatopathology: The time is now. <i>Journal of Cutaneous Pathology</i> , 2021, 48, 469-471.  | 1.3 | 8         |

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|----|---|-----|-----------|
| 55 | Decrease of 5-hydroxymethylcytosine in rat liver with subchronic exposure to genotoxic carcinogens riddelliine and aristolochic acid. <i>Molecular Carcinogenesis</i> , 2015, 54, 1503-1507.                            | 2.7 | 7         |
| 56 | Reversal of TET-mediated 5-hmC loss in hypoxic fibroblasts by ascorbic acid. <i>Laboratory Investigation</i> , 2019, 99, 1193-1202.   | 3.7 | 7         |
| 57 | T cell-attracting CCL18 chemokine is a dominant rejection signal during limb transplantation. <i>Cell Reports Medicine</i> , 2022, 3, 100559.   | 6.5 | 7         |
| 58 | TET2 Negatively Regulates Nestin Expression in Human Melanoma. <i>American Journal of Pathology</i> , 2016, 186, 1427-1434.   | 3.8 | 6         |
| 59 | Capsule Dermatopathology: Clinicopathologic Types of Malignant Melanoma – Relevance to Biologic Behavior and Diagnostic Surgical Approach. <i>The Journal of Dermatologic Surgery and Oncology</i> , 1985, 11, 674-682. | 0.8 | 5         |
| 60 | Target Cells in Graft-Versus-Host Disease: Implications for Cancer Therapy. <i>Clinical Reviews in Allergy and Immunology</i> , 2007, 33, 113-123.  | 6.5 | 5         |
| 61 | Diagnostic implications of loss of 5-hydroxymethylcytosine for melanoma. <i>Expert Review of Dermatology</i> , 2013, 8, 99-101.   | 0.3 | 5         |
| 62 | Impact of the 2009 AJCC staging guidelines for melanoma on the number of mitotic figures reported by dermatopathologists at one institution. <i>Journal of Cutaneous Pathology</i> , 2015, 42, 536-541.                 | 1.3 | 5         |
| 63 | Paraneoplastic Hypomyopathic Dermatomyositis Associated With EGFR Exon-20 Insertion NSCLC. <i>Journal of Thoracic Oncology</i> , 2019, 14, e128-e130.   | 1.1 | 5         |
| 64 | COVID-19 and graft-versus-host disease: a tale of two diseases (and why age matters). <i>Laboratory Investigation</i> , 2021, 101, 274-279.   | 3.7 | 5         |
| 65 | Epigenetic markers in melanoma. <i>Melanoma Management</i> , 2015, 2, 367-382.  | 0.5 | 4         |
| 66 | Differential distribution of the epigenetic marker 5-hydroxymethylcytosine occurs in hair follicle stem cells during bulge activation. <i>Journal of Cutaneous Pathology</i> , 2019, 46, 327-334.                       | 1.3 | 4         |
| 67 | Inhibition of lysine-specific histone demethylase LSD1 suppresses melanoma growth. <i>FASEB Journal</i> , 2013, 27, 1088.15.  | 0.5 | 2         |
| 68 | Capsule Dermatopathology: Origin of Malignant Epithelial Neoplasms of the Skin. <i>The Journal of Dermatologic Surgery and Oncology</i> , 1984, 10, 341-344.  | 0.8 | 0         |
| 69 | Abstract 2609: Hypoxia-mediated downregulation of GCNT2/l-antigen in metastatic melanoma accelerates disease progression and mortality. , 2021, , .   |     | 0         |
| 70 | Depletion of Vascular Endothelial Progenitor Cells Inhibits Inflammation. <i>Blood</i> , 2008, 112, 694-694.  | 1.4 | 0         |
| 71 | NOD2 Regulates Hematopoietic Cell Function During Graft-Versus-Host Disease.. <i>Blood</i> , 2009, 114, 2453-2453.  | 1.4 | 0         |
| 72 | Abrogation of Donor T Cell IL-21 Signaling Leads to Tissue-Specific Modulation of Immunity and Separation of Gvhd From GVL. <i>Blood</i> , 2010, 116, 729-729.  | 1.4 | 0         |

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|----|--|-----|-----------|
| 73 | Histological Assessment of Cutaneous Acute Graft-Versus-Host Disease in a Preclinical Swine Model of Hematopoietic Cell Transplantation and Vascularized Skin Flap Tolerance. <i>Blood</i> , 2012, 120, 1894-1894. | 1.4 | 0         |
| 74 | Epigenetic and stem cell biomarkers in experimental melanoma metastases. <i>FASEB Journal</i> , 2013, 27, 53.6.  | 0.5 | 0         |
| 75 | Expression of MDR transporter, ABCB5, in Merkel cell carcinoma. <i>FASEB Journal</i> , 2013, 27, 1087.8.   | 0.5 | 0         |
| 76 | IFN $\gamma$ specifically targets melanoma stem cells and inhibits in vitro spherogenic growth. <i>FASEB Journal</i> , 2013, 27, 1087.11.  | 0.5 | 0         |
| 77 | Floating cultured melanoma cells are a distinct subpopulation enriched for cancer stem cell biomarkers. <i>FASEB Journal</i> , 2013, 27, 1087.2.   | 0.5 | 0         |