

List of Publications

1. Leven AS, Becker JC, Pöttgen C, Schadendorf D, Ugurel S and **Tasdogan A** (2023). Combined immunotherapy with ipilimumab plus nivolumab in metastatic PD-1/PD-L1-refractory Merkel cell carcinoma-a case report. **Int J Dermatol Dec 13**
2. Gao X, Murphy MM, Peyer JG, Ni Y, Yang M, Zhang Y, Guo J, Kara N, Embree C, **Tasdogan A**, Ubellacker JM, Crane GM, Fang S, Zhao Z, Shen B and Morrison SJ (2023). Leptin receptor+ cells promote bone marrow innervation and regeneration by synthesizing nerve growth factor. **Nat Cell Biol 25:1746-1757**
3. Placke JM, Kimmig M, Griewank K, Herbst R, Terheyden P, Utikal J, Pföhler C, Ulrich J, Kreuter A, Mohr P, Gutzmer R, Meier F, Dippel E, Welzel J, Engel DR, Kreft S, Sucker A, Lodde G, Krefting F, Stoffels I, Klode J, Roesch A, Zimmer L, Livingstone E, Hadaschik E, Becker JC, Weichenthal M, **Tasdogan A**, Schadendorf D and Ugurel S (2023). Correlation of tumor PD-L1 expression in different tissue types and outcome of PD-1-based immunotherapy in metastatic melanoma - analysis of the DeCOG prospective multicenter cohort study ADOREG/TRIM. **EBioMedicine 96:104774**
4. **Tasdogan A**, Moelleken M and Dissemond J. (2023). [Eczema of wound surroundings : Genesis, diagnostics and treatment]. **Z Gerontol Geriatr 56:505-515**
5. Lodde GC, Jansen P, Herbst R, Terheyden P, Utikal J, Pföhler C, Ulrich J, Kreuter A, Mohr P, Gutzmer R, Meier F, Dippel E, Weichenthal M, Sucker A, Placke JM, Zaremba A, Albrecht LJ, Kowall B, Galetzka W, Becker JC, **Tasdogan A**, Zimmer L, Livingstone E, Hadaschik E, Schadendorf D, Ugurel S, Griewank K (2023). Characterisation and outcome of RAC1 mutated melanoma. **Eur J Cancer Apr;183:1-10.**
6. Solari FA, Krahn D, Swieringa F, Verhelst S, Rassaf T, **Tasdogan A**, Zahedi RP, Lorenz K, Renné T, Heemskerk JWM, Sickmann A. (2023). Multi-omics approaches to study platelet mechanisms. **Curr Opin Chem Biol Apr;73:102253**
7. Placke JM, Mertens D, **Tasdogan A**, Chorti E, Schadendorf D, Ugurel S, Roesch A, Stoffels I, Klode J. (2023). Multispectral optoacoustic tomography to differentiate between lymph node metastases and coronavirus-19 vaccine-associated lymphadenopathy. **J Eur Acad Dermatol Venereol Jan 6. doi: 10.1111/jdv.18847**
8. Nascentes Melo LM, Kumar S, Riess V, Szylo KJ, Eisenburger R, Schadendorf D, Ubellacker JM and **Tasdogan A** (2023). Advancements in melanoma cancer metastasis models. **Pigment Cell Melanoma Res, Mar;36(2):206-223.**
9. Pachnis P, Wu Z, Faubert B, **Tasdogan A**, Gu W, Shelton S, Solmonson A, Rao A, Kaushik A, Rogers TJ, Ubellacker JM, LaVigne C, Ramesh V, Zacharias LG, Martin-Sandoval MS, Do D, Mathews TP, Zhao Z, Mishra P, Morrison SJ and DeBerardinis RJ (2022). In vivo isotope tracing reveals a requirement for the electron transport chain in glucose and glutamine metabolism by tumors. **Science Advances, Sep;8(35):eabn9550.**
10. Melo L, Lesner N, Ubellacker JM* and **Tasdogan A*** (2022). Emerging Metabolomic Tools to Study Cancer Metastasis, **Trends in Cancer 8:988-1001.** *corresponding author
11. Soflaee MH, Kesavan R, Sahu U, **Tasdogan A**, Villa E, Djabari Z, Cai F, Tran DH, Vu HS, Ali ES, Rion H, O'Hara BP, Kelekar S, Hallett JH, Martin M, Mathews TP, Gao P, Asara JM, Manning BD, Ben-Sahra I, Hoxhaj G. (2022) Purine nucleotide depletion prompts cell migration by stimulating the serine synthesis pathway. **Nat Commun 16;13(1):2698.**

12. Solmonson A, Faubert B, Gu W, Rao A, Cowdin MA, Menendez-Montes I, Kelekar S, Rogers TJ, Pan C, Guevara G, Tarangelo A, Zacharias LG, Martin-Sandoval MS, Do D, Pachnis P, Dumesnil D, Mathews TP, **Tasdogan A**, Pham A, Cai L, Zhao Z, Ni M, Cleaver O, Sadek HA, Morrison SJ and DeBerardinis RJ (2022). Compartmentalized metabolic activities support midgestation mammalian development. **Nature** 604(7905):349-353.
13. Aurora AB, Khivansara V, Leach A, Gill JG, Martin-Sandoval M, Yang C, Kasitinon SY, Bezwada D, **Tasdogan A**, Gu W, Mathews TP, Zhao Z, DeBerardinis RJ, Morrison SJ. (2022). Loss of glucose 6-phosphate dehydrogenase function increases oxidative stress and glutaminolysis in metastasizing melanoma cells. **Proc Natl Acad Sci U S A**, Feb 8;119(6):e2120617119.
14. **Tasdogan A***, Faubert B*, Morrison SJ, Mathews TP, DeBerardinis RJ. (2021). Stable isotope tracing to assess tumor metabolism in vivo. **Nature Protocols**, 16(11):5123-5145, *contributed equally to this work
15. Zhang J, Cohen A, Shen B, Du L, **Tasdogan A**, Zhao Z, Shane EJ, Morrison SJ. (2021). The effect of parathyroid hormone on osteogenesis is mediated partly by osteolectin. **PNAS**, 22;118(25):e2026176118.
16. **Tasdogan A***, Ubelacker JM*, Morrison SJ. (2021). Metabolic plasticity during metastasis. **Cancer Discovery**, 11(11):2682-269, *contributed equally to this work
17. Shen B, **Tasdogan A**, Ubelacker JM, Zhang J, Du L, Murphy MM, Hu S, Yi Y, Kara N, Liu X, Guela S, Jia Y, Ramesh V, Embree C, Mitchell EC, Hu Z, Zhao Z, Crane CM, Morrison SJ. (2021). A mechanosensitive peri-arteriolar niche for osteogenesis and lymphopoiesis. **Nature**. 591(7850):438-444.
18. DeVilbiss AW, Zhao Z, Martin-Sandoval MS, Ubelacker JM, **Tasdogan A**, Agathocleous M, Mathews TP, Morrison SJ. (2021). Metabolomic profiling of rare cell populations isolated by flow cytometry from tissues. **eLife**, 20;10:e61980.
19. Johnston K, Pachnis P, **Tasdogan A**, Faubert B, Vu D, Zacharias LG, Mathews TP, Ricciardio S, Johnson A, Rodgers-Augustyniak L, Zhao Z, Leavey P, Watt T, DeBerardinis RJ. (2021). Intra-operative isotope tracing in multiple pediatric solid tumors demonstrate broad utilization of oxidative metabolism. **Cell MED**, 9;2(4):395-410.
20. Schmid T, Maier J, Martin M, **Tasdogan A**, Tausch E, Barth TFE, Stilgenbauer S, Bloehdorn J, Möller P, Mellert K. (2020) U-RT1 - A new model for Richter transformation. **Neoplasia**. 11;23(1):140-148
21. Ubelacker JM, **Tasdogan A**, Ramesh V, Shen B, Mitchell EC, Martin-Sandoval MS, Zhimin Gu, McCormick ML, Durham AB, Spitz DR, Zhao Z, Mathews T, Morrison SJ. (2020). Lymph protects metastasizing melanoma cells from ferroptosis. **Nature** 585:113-118.
22. **Tasdogan A**, McFadden D, Mishra P. (2020). Mitochondrial DNA Haplotypes as Genetic Modifiers of Cancer. **Trends in Cancer** 23:S2405-8033(20)30236-3
23. **Tasdogan A**, Faubert B, Ramesh V, Ubelacker JM, Shen B, Solmonson A. Murphy MM, Gu W, Martin M, Mathews TP, Vandergriff T, Zhao Z, Schadendorf D, DeBerardinis RJ, Morrison SJ. (2020). Metabolic heterogeneity among melanoma cells confers differences in metastatic potential. **Nature** 577:115-120

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26. Shen B, Vardy K, Hughes P, **Tasdogan A**, Zhao Z, Crane G, Morrison SJ. (2019). Integrin alpha11 is an Osteolectin receptor and is required for the maintenance of adult skeletal bone mass. **eLife** e42274
27. Shi X, **Tasdogan A**, Huang F, Hu Z, Morrison SJ, DeBerardinis RJ. (2017). The abundance of metabolites related to protein methylation correlates with the metastatic capacity of human melanoma xenografts. **Science Advances** 3:eaao5268
28. Schmidt K, Zhang Q, **Tasdogan A**, Petzold A, Dahl A, Arneth BM, Slany R, Fehling HJ, Kranz A, Stewart AF, Anastassiadis K. (2018). The H3K4 methyltransferase Setd1b is essential for hematopoietic stem and progenitor cell homeostasis in mice. **eLife** e27157
29. Ouali Alami N, Schurr C, Olde Heuvel F, Tang L, Li Q, **Tasdogan A**, Kimbara A, Nettekoven M, Ottaviani G, Raposo C, Röver S, Rogers-Evans M, Rothenhäusler B, Ullmer C, Fingerle J, Grether U, Knuesel I, Boeckers TM, Ludolph A, Wirth T, Roselli F, Baumann B. (2018). NF-κB activation in astrocytes drives a stage-specific beneficial neuroimmunological response in ALS. **EMBO J** 37.pii: e98697
30. Lee S, Liu P, Tschaflon M, Knoll J, **Tasdogan A**, Witting R, Frappart L, Bertolino P, Zhang C, Tuckermann J. (2018). A genetic benign jaw tumor mouse model by loss of menin in the osteoblast lineage in mice. **Oncogene** 37:616-626
31. Kraus LF, Scheurmann N, Frenzel DF, **Tasdogan A**, Weiss JM. (2018). 9-cis-Retinoic acid induces a distinct regulatory dendritic cell phenotype that modulates murine delayed-type allergy. **Contact Dermatitis** 78:41-54
32. Herzig J, Bullinger L, **Tasdogan A**, Zimmermann P, Schlegel M, Teleanu V, Weber D, Rücker F, Paschka P, Dolnik A, Schneider E, Kuchenbauer F, Heide F, Buske C, Döhner H, Döhner K, Gaidzik V. (2017). Protein phosphatase 4 regulatory subunit 2 (PPP4R2) is recurrently deleted in acute myeloid leukemia and required for efficient DNA double strand break repair. **Oncotarget** 8:95038-95053
33. Minici C, Gounari M, Übelhart R, Scarfò L, Dühren-von Minden M, Schneider D, **Tasdogan A**, Alkhatib A, Agathangelidis A, Ntoufa S, Chiorazzi N, Jumaa H, Stamatopoulos K, Ghia P, Degano M. (2017). Distinct homotypic B-cell receptor interactions shape the outcome of chronic lymphocytic leukaemia. **Nature Communications** 8:15746
34. Tauc HM, **Tasdogan A**, Meyer P, Pandur P. (2017). Nipped-A regulates intestinal stem cell proliferation in Drosophila. **Development** 144:612-623
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38. Vettorazzi S, Bode C, Dejager L, Frappart L, Shelest E, Kläßen C, **Tasdogan A**, Reichardt HM, Libert C, Schneider M, Weih F, Henriette Uhlenhaut N, David JP, Gräler M, Kleiman A, Tuckermann JP. (2015). Glucocorticoids limit acute lung inflammation in concert with inflammatory stimuli by induction of SphK1. **Nature Communications** 6:7796
39. Mühl B*, Hägele J*, **Tasdogan A***, Loula P, Schuh K, Bundschu K. (2015). SPREDs (Sprouty related proteins with EVH1 domain) promote self-renewal and inhibit mesodermal differentiation in murine embryonic stem cells. **Developmental Dynamics** 244:591-606 *contributed equally to this work
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41. Tauc HM*, **Tasdogan A***, Pandur P. (2014). Isolating intestinal stem cells from adult Drosophila midguts by FACS to study stem cell behavior during aging. **J Vis Exp** 94
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42. Gatzka M, Hainzl A, Peters T, Singh K, **Tasdogan A**, Wlaschek M, Scharffetter-Kochanek K. (2013). Reduction of CD18 promotes expansion of inflammatory $\gamma\delta$ T cells collaborating with CD4+ T cells in chronic murine psoriasiform dermatitis. **J Immunol** 191:5477-882.
43. Luche H, Nageswara Rao T, Kumar S, **Tasdogan A**, Beckel F, Blum C, Martins VC, Rodewald HR, Fehling HJ. (2013) In vivo fate mapping identifies pre-TCR α expression as an intra- and extrathymic, but not prethymic, marker of T lymphopoiesis. **J Exp Med** 210:699-714.