Dr. Nicole Glodde

Institute of Experimental Oncology

Rheinische Friedrich-Wilhelms-Universit t Bonn

Institute of Experimental Oncology
E-Mail: nicole.glodde@ukbonn.de

Research Expertise

Using preclinical cancer mouse models, cutting-edge genome editing and bioengineering technologies, we are focusing on translational cancer research. In particular, we are interested in understanding the complex tumor and immune cell interactions that drive resistance to cancer immunotherapies in order to develop innovative treatment approaches that improve therapeutic outcomes.

Education / Training

University of Bonn, Tumorimmunology, PhD, 2015

University of Bonn, Biology, Diploma Thesis, 2011

Appointments / Positions Held

Since 2020
Group Leader at the Institute of Experimental Oncology, University of Bonn, Germany
2019-2020
Postdoctoral Research Fellow, Institute of Experimental Oncology, University of Bonn, Germany
2016-2018
Postdoctoral Research Fellow, Unit for RNA biology, Institute for Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany
2015-2015
Postdoctoral Research Fellow, Laboratory for Experimental Dermatology, University of Magdeburg, Germany

Honors / Awards

2020
Junior Research Grant (MSSO Cologne-Bonn)
2018
Fleur Hiege-Memorial Award
2018
Egon-Macher Award of the ADF

10 Most Relevant Publications for Dr. Nicole Glodde

1. Indini, A., Massi, D., Pirro, M., Roila, F., Grossi, F., Sahebkar, A., **Glodde, N**., Bald, T., and Mandalà, M. (2022). Targeting inflamed and non-inflamed melanomas: biological background and clinical challenges. Seminars in Cancer Biology 86, 477–490. 10.1016/j.semcancer.2022.06.005.

2. Ruotsalainen, J., Lopez-Ramos, D., Rogava, M., Shridhar, N., **Glodde, N.**, Gaffal, E., Hölzel, M., Bald, T., and Tüting, T. (2021). The myeloid cell type I IFN system promotes antitumor immunity over pro-tumoral inflammation in cancer T-cell therapy. Clin Transl Immunol 10. 10.1002/cti2.1276.

3. Effern, M., **Glodde, N**., Braun, M., Liebing, J., Boll, H.N., Yong, M., Bawden, E., Hinze, D., van den Boorn-Konijnenberg, D., Daoud, M., et al. (2020). Adoptive T Cell Therapy Targeting Different Gene Products Reveals Diverse and Context-Dependent Immune Evasion in Melanoma. Immunity 53, 564-580.e9. 10.1016/j.immuni.2020.07.007.

4. Vivas-García, Y., Falletta, P., Liebing, J., Louphrasitthiphol, P., Feng, Y., Chauhan, J., Scott, D.A., **Glodde, N**., Chocarro-Calvo, A., Bonham, S., et al. (2020). Lineage-Restricted Regulation of SCD and Fatty Acid Saturation by MITF Controls Melanoma Phenotypic Plasticity. Molecular Cell 77, 120-137.e9. 10.1016/j.molcel.2019.10.014.

5. **Glodde, N.**, and Hölzel, M. (2017). RAS and PD-L1: A Masters' Liaison in Cancer Immune Evasion. Immunity 47, 1007–1009. 10.1016/j.immuni.2017.12.001.

6. **Glodde, N.**, Bald, T., van den Boorn-Konijnenberg, D., Nakamura, K., O'Donnell, J.S., Szczepanski, S., Brandes, M., Eickhoff, S., Das, I., Shridhar, N., et al. (2017). Reactive Neutrophil Responses Dependent on the Receptor Tyrosine Kinase c-MET Limit Cancer Immunotherapy. Immunity 47, 789-802.e9. 10.1016/j.immuni.2017.09.012.

7. Reinhardt, J., Landsberg, J., Schmid-Burgk, J.L., Ramis, B.B., Bald, T., **Glodde, N.**, Lopez-Ramos, D., Young, A., Ngiow, S.F., Nettersheim, D., et al. (2017). MAPK Signaling and Inflammation Link Melanoma Phenotype Switching to Induction of CD73 during Immunotherapy. Cancer Research 77, 4697–4709. 10.1158/0008-5472.CAN-17-0395.

8. Hölzel, M., Landsberg, J., **Glodde, N.**, Bald, T., Rogava, M., Riesenberg, S., Becker, A., Jönsson, G., and Tüting, T. (2016). A Preclinical Model of Malignant Peripheral Nerve Sheath Tumor-like Melanoma Is Characterized by Infiltrating Mast Cells. Cancer Research 76, 251–263. 10.1158/0008-5472.CAN-15-1090.

9. Bald, T., Landsberg, J., Lopez-Ramos, D., Renn, M., **Glodde, N.**, Jansen, P., Gaffal, E., Steitz, J., Tolba, R., Kalinke, U., et al. (2014). Immune Cell–Poor Melanomas Benefit from PD-1 Blockade after Targeted Type I IFN Activation. Cancer Discovery 4, 674–687. 10.1158/2159-8290.CD-13-0458.

10. Bald, T., Quast, T., Landsberg, J., Rogava, M., **Glodde, N.**, Lopez-Ramos, D., Kohlmeyer, J., Riesenberg, S., van den Boorn-Konijnenberg, D., Hömig-Hölzel, C., et al. (2014). Ultraviolet-radiation-induced inflammation promotes angiotropism and metastasis in melanoma. Nature 507, 109–113. 10.1038/nature13111.