

- Curriculum Vitae -

Juliane Daßler-Plenker, Ph.D.

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RESEARCH EXPERIENCE

10/2017-present

Postdoctoral Fellow

“Identifying feedback loop mechanisms between neutrophils and macrophages causing sustained, pro-metastatic inflammation”

Laboratory of Dr. Mikala Egeblad, Cold Spring Harbor Laboratory (CSHL), Cancer Center, USA

05/2015-09/2017

Postdoctoral Fellow

“Induction of tumor cell-derived extracellular vesicles by innate immune-stimulatory oligonucleotides for tumor therapy.”

Prof. Gunther Hartmann, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany

12/2014-04/2015

Research Scientist

“Optimization of siRNA delivery to immune cells”

Silence Therapeutics GmbH, Berlin, Germany

09/2014-11/2014

Postdoctoral Fellow

“RIG-I activation induces the release of extracellular vesicles with anti-tumor activity.”

Prof. Gunther Hartmann, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany

08/2009-08/2014

Ph.D. thesis

Viva voce: summa cum laude

“The RIG-I ligand 3pRNA activates Natural Killer cells to lyse tumor cells and to induce the release of anti-tumoral tumor-exosomes.”

Prof. Gunther Hartmann, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany

08/2008-07/2009

Diplom in Molecular Biomedicine

“Expression and function of viral pattern recognition receptors in human melanoma cells”

Prof. Gunther Hartmann, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany

EDUCATION

10/2004-07/2009

academic studies: Molecular Biomedicine

Rheinische Friedrich-Wilhelms University, Bonn, Germany

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MENTORING

- 12/2016-09/2017 **mentoring: Ph.D.-student**
“Functional consequences of coordinated integration of viral and bacterial immune sensing signals”
Lab of Prof. G. Hartmann, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany
- 04/2016-09/2017 **mentoring and design: MD-thesis**
“Type I Interferon-induced exosomes in anti-viral immunity”
Lab of Prof. G. Hartmann, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany
- 03/2014 **conception and mentoring** of „Girls Day - Mädchen Zukunftstag“, Excellence-Cluster „Immunosensation“, University of Bonn, Germany
- 04/2013 – 09/2013 **mentoring and design: MD-thesis**
“TNF α and IFN γ mediates melanoma cell death in a synergistic manner”, Lab of Prof. Gunther Hartmann, Institute of Clinical Chemistry and Clinical Pharmacology, University of Bonn, Germany

AWARD/POSTER PRESENTATION/ TALKS

- 08/2018 Poster, Mechanisms & Models of Cancer, Cold Spring Harbor, USA
- 04/2017 Travel Grant “Immunosensation”, University of Bonn
- 04/2017 Talk, Weizmann Institute of Science, Tel Aviv, Israel
- 06/2016 Poster, Keystone Meeting “Exosomes/Microvesicles: Novel Mechanisms of Cell-Cell-Communication”, Keystone, USA
- 09/2014 Talk, DGFI-Meeting, Bonn, Germany
- 05/2014 Poster, 12th annual meeting CIMT 2014, Mainz, Germany
- 10/2013 Talk, „Scienceday“ of the Excellence-Cluster „Immunosensation“, University Bonn, Germany
- 10/2013 travel award, Oligonucleotide Therapeutic Society (OTS) Meeting 2013, Naples, Italy
- 06/2013 Poster, Trends in melanoma research, Bonn, Germany
- 05/2012 Poster, International Symposium SFB832, Bad Neuenahr, Germany
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BIBLIOGRAPHY

Direct RIG-I activation in human NK cells induces TRAIL-dependent cytotoxicity towards autologous melanoma cells. Daßler-Plenker J, Paschen A, Putschli B, Rattay S, Schmitz S, Goldeck M, Bartok E, Hartmann G, Coch C. *Int J Cancer*. 2018 Sep 19. doi:10.1002/ijc.31874 (Epub ahead of print)

Structural Alterations of MET Trigger Response to MET Kinase Inhibition in Lung Adenocarcinoma Patients. Plenker D, Bertrand M, de Langen AJ, Riedel R, Lorenz C, Scheel AH, Müller J, Brägelmann J, Daßler-Plenker J, Kobe C, Persigehl T, Kluge A, Wurdinger T, Schellen P, Hartmann G, Zacherle T, Menon R, Thunnissen E, Büttner R, Griesinger F, Wolf J, Heukamp L, Sos ML, Heuckmann JM. *Clin Cancer Res*. 2018 Mar 15;24(6):1337-1343.

Funktion von extrazellulären Vesikeln und Bedeutung für die labormedizinische Diagnostik. (Functions of extracellular vesicles and their application as biomarkers). Reiners KS, Daßler-Plenker J, Coch C, Hartmann G. *Journal of Laboratory Medicine*, 2017 Nov 41;6:299-308. doi: doi.org/10.1515/labmed-2017-2018

RIG-I activation induces the release of extracellular vesicles with anti-tumor activity. Daßler-Plenker J, Reiners SK, van den Boorn JG, Hansen HP, Putschli B, Barnert S, Schuberth-Wagner C, Schubert R, Tüting T, Hallek M, Schlee M, Hartmann G, Pogge von Strandmann E, Coch C. *Oncolmmunology*, 2016 Aug 19;5 (10):e1219827.

Role of exosomes released by accessory cells and/or by tumor targets: Regulation of NK cell plasticity. Reiners SK, Daßler J, Coch C, Pogge von Strandmann E. *Front. Immunol*, 2014 Mar 7;5:91. eCollection 2014. Review

Recurrent CD74-NRG1 fusions in lung adenocarcinoma. Fernandez-Cuesta L, Plenker D, Osada H, Sun R, Menon R, Leenders F, Ortiz-Cuaran S, Peifer M, Bos M, Daßler J, Malchers F, Schöttle J, Vogel W, Dahmen I, Koker M, Ullrich RT, Wright GM, Russell PA, Wainer Z, Solomon B, Brambilla E, Nagy-Mignotte H, Moro-Sibilot D, Brambilla CG, Lantuejoul S, Altmüller J, Becker C, Nürnberg P, Heuckmann JM, Stoelben E, Petersen I, Clement JH, Sängler J, Muscarella LA, la Torre A, Fazio VM, Lahortiga I, Perera T, Ogata S, Parade M, Brehmer D, Vingron M, Heukamp LC, Buettner R, Zander T, Wolf J, Perner S, Ansén S, Haas SA, Yatabe Y, Thomas RK. *Cancer Discov*. 2014 Apr;4(4):415-22. doi: 10.1158/2159-8290.CD-13-0633. Epub 2014 Jan 27.

Targeting the Cytosolic Innate Immune Receptor RIG-I and MDA5 Effectively Counteracts Cancer Cell Heterogeneity in Glioblastoma. Glas M, Coch C, Trageser D, Daßler J, Simon M, Koch P, Mertens J, Quandel T, Gorris R, Reinartz R, Wieland A, Von Lehe M, Pusch S, Roy K, Schlee M, Neimann H, Fimmers R, Herrlinger U, Brüstle O, Hartmann G, Besch R, Scheffler B. *Stem Cells*. 2013 Jun;31(6):1064-74. doi: 10.1002/stem.1350.

Exosomes as nucleic acid nanocarriers. Van den Boorn JG, Daßler J, Coch C, Schlee M, Hartmann G. *Adv Drug Deliv Rev*. 2013 Mar;65(3):331-5. doi: 10.1016/j.addr.2012.06.011. Epub 2012 Jun 28. Review.

Immunogenic cell death of human ovarian cancer cells by cytosolic poly(I:C) leads to myeloid cell maturation and activates NK cells. Kübler K, tho Pesch C, Gehrke N, Riemann S, Daßler J,

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Coch C, Landsberg J, Wimmenauer V, Pölcher M, Rudlowski C, Tüting T, Hartmann G, Barchet W. Eur J Immunol. 2011 Oct; 41 (10): 3028-39
