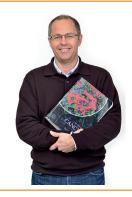
Prof. Thomas Tüting, MD

Department of Dermatology and Allergy



Rheinische Friedrich-Wilhelms-Universität Bonn

Department of Dermatology and Allergy

E-Mail: thomas.tueting@ukb.uni-bonn.de

Research Expertise

Role of UV irradiation and the immune system in the pathogenesis of melanoma; mechanisms of melanoma metastasis and therapy resistance; preclinical and clinical evaluation of approaches combining immunotherapies and other treatment modalities for melanoma; development of novel genetic mouse models to study inflammation-induced phenotypic plasticity and reciprocal interactions between melanoma, immune and endothelial cells in the perivascular niche.

Education / Training

University of Frankfurt, Germany, MD, Thesis, 2000 University of Mainz, Germany, Dermatology and Allergic Diseases, Board Certification, 1998 University of Frankfurt School of Medicine, Medicine, MD, 1987

Appointments / Positions Held

2015 - present Professor and Chairman, Department of Dermatology, University of Magdeburg, Germany 2001 - present

Associate Professor and Laboratory Head, Experimental Dermatology, University of Bonn, Germany

2001 - present Clinical work, General and Oncologic Dermatology, University of Bonn, Germany

1998 - 2001 Clinical and Scientific Work, Department of Dermatology, University of Mainz, Germany

1995 - 1997

Research Fellow in Tumor Immunology and Gene Therapy, Department of Surgery, University of Pittsburgh School of

Medicine, Pittsburgh, PA

1991 - 1995

Residency in Dermatology and Allergic Diseases, Department of Dermatology, Military Hospital Koblenz and

University of Mainz, Germany

1988 - 1991

Drafted as Airforce Medical Officer, Fighter- Bomber Wing 33, Cochem, Germany

Honors / Awards

2015

Photodermatology Research Award (Roche Posay) 2014

Arnold Rikli prize of the Jörg Wolff Stiftung

2014

German skin cancer research prize of the German skin cancer foundation

2009 Steigleder prize of the AG Dermatological Histology

2006

Translational Research prize of the AG Dermatological Research

2000

Research Award of the Erich Hoffmann Society, Bonn

10 Most Relevant Publications for Prof. Thomas Tüting

1. Baar M, Coquille L, Mayer H, Hölzel M, Rogava M, **Tüting T**, Bovier A. A stochastic model for immunotherapy of cancer. Sci Rep 6:24169, 2016.

2. Hölzel M, Landsberg J, Glodde N, Bald T, Rogava M, Riesenberg S, Becker AJ, Jonsson G, **Tüting T**. A preclinical model of malignant peripheral nerve sheath tumor-like melanoma is characterized by infiltrating mast cells. Cancer Res 76:251-63, 2015.

3. Riesenberg S, Groetchen A, Siddaway R, Bald T, Reinhardt J, Smorra D, Kohlmeyer J, Renn M, Phung B, Aymans P, Schmidt T, Hornung V, Davidson I, Goding CR, Jönsson G, Landsberg J, **Tüting T**, Hölzel M. MITF and c-Jun antagonism interconnects melanoma dedifferentiation with pro-inflammatory cytokine responsiveness and myeloid cell recruitment. Nat Commun 6:8755, 2015.

4. Bald T, Landsberg J, Lopez-Ramos D, Renn M, Glodde N, Jansen P, Gaffal E, Steitz J, Tolba R, Kalinke U, Limmer A, Jönsson G, Hölzel M, **Tüting T**. Immune-cell poor melanomas benefit from PD-1 blockade after targeted type I IFN activation. Cancer Discovery 4:674-87, 2014.

5. 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, Reuten R, Schadow B, Weighardt I, Wenzel D, Helfrich I, Schadendorf D, Bloch W, Bianchi ME, Koch M, Fleischmann BK, Förster I, Kastenmüller W, Kolanus W, Hölzel M, Gaffal E, **Tüting T.** Ultraviolet radiation-induced inflammation promotes angiotropism and metastasis in melanoma. Nature 507:109-13, 2014.

6. Hölzel M, Bovier A, **Tüting T.** Plasticity of tumour and immune cells: a source of heterogeneity and a cause for therapy resistance? Nat Rev Cancer. 13:365-76, 2013.

7. Gaffal E, Cron M, Glodde N, Bald T, Kuner R, Zimmer A, Lutz B, **Tüting T**. Cannabinoid 1 receptors in keratinocytes modulate proinflammatory chemokine secretion and attenuate contact allergic inflammation. J. Immunol. 190:4929-36, 2013.

8. Gehrke N, Mertens C, Zillinger T, Wenzel J, Bald T, Zahn S, **Tüting T**, Hartmann G, Barchet W. Oxidative damage of DNA confers resistance to cytosolic nuclease TREX1 degradation and potentiates STING-dependent immune sensing. Immunity. 39:482-95, 2013.

 Landsberg J, Kohlmeyer J, Renn M, Bald T, Rogava M, Cron M, Fatho M, Lennerz V, Wölfel T, Hölzel H, Tüting T. Melanomas resist T-cell therapy through inflammation-induced reversible dedifferentiation. Nature. 490:412-416, 2012.
Kohlmeyer J, Cron M, Landsberg J, Bald T, Renn M, Mikus S, Bondong S, Wikasari D, Gaffal E, Hartmann G, Tüting T. Complete regression of advanced primary and metastatic mouse melanomas following combination chemoimmunotherapy. Cancer Res 69:6265-74, 2009.

* These authors contributed equally