**Prof. Dr. med. Markus P. Radsak**

*14.05.1973

Head of Molecular Diagnostics
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## Academia

| | |
|---|---|
| 1994 – 1995 | Medical studies, University of Marburg |
| 1995 – 2000 | Medical studies, University of Heidelberg |
| 1997 – 2000 | Doctorate (Dr. med.) University of Heidelberg, Institute for Immunology (Prof. Dr. G. M. Hänsch) |
| 2000 | State Examination, Heidelberg |
| 2009 | Habilitation in internal medicine and appointment as private lecturer |

## Career

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| 2000 - 2001 | Physician at the Medical Clinic II (Prof. Dr. L. Kanz), University of Tübingen |
| 2001 - 2002 | Assistant physician, Medical Clinic II (Prof. Dr. L. Kanz), University of Tübingen |
| 2002 - 2003 | Postdoc, Institute of Cell Biology, University of Tübingen (Prof. Dr. Rammensee) |
| 2004 - 2009 | Research Group Leader, Institute of Immunology, University of Mainz, Germany |
| 2005 - 2009 | Assistant physician, III. Medical Clinic, University Medicine Mainz (Prof. Dr. Ch. Huber, since 11/2009: Prof. Dr. M. Theobald) |
| 2009 | Specialist in internal medicine |
| since 2009 | Working group leader, III. Medical Clinic, University Medicine Mainz |
| since 2010 | Senior physician, III. Medical Clinic, University Medicine Mainz |
| since 2010 | Laboratory manager of the clinical flow cytometry |
| 2011 | Recognition of focus on hematology and internal oncology |

**Selected Publications**

Alflen A, Prüfer S, Ebner K, Reuter S, Aranda Lopez P, Scharrer I, Banno F, Stassen M, Schild H, Jurk K, Bosmann M, Beckert H, **Radsak MP**. ADAMTS-13 regulates neutrophil recruitment in a mouse model of invasive pulmonary aspergillosis. *Sci Rep.* 2017;7:7184.

Aranda Lopez P, Denny M, Hartmann AK, Alflen A, Probst HC, von Stebut E, Tenzer S, Schild H, Stassen M, Langguth P and **Radsak MP**. Transcutaneous immunization with a novel imiquimod nanoemulsion induces superior T cell responses and virus protection. *J. Derm. Sci.* 2017;87:252-9.

Stadler N, Hasibeder A, Aranda Lopez P, Teschner D, Desuki A, Kriege O, Weber ANR, Michel C, Heß G, **Radsak MP**. The Bruton tyrosine kinase inhibitor ibrutinib abrogates TREM-1 mediated neutrophil activation. (Letter) *Haematologica* 2017;102:e191-4.

Dopheide J F, Scheer M, Doppler C, Obst V, Radmacher MC, Stein P, Vosseler M, Abegunewardene N, Gori T, Münzel T, Daiber A, **Radsak MP***, Espinola-Klein C*. Influence of home-based exercise training on inflammation, oxidative stress and phenotype of mononuclear cells. *Clin Res Cardiol.* 2015;104:751-63. *corresponding authors

Prüfer S, Weber M, Sasca D, Teschner D, Wölfel C, Stein P, Stassen M, Schild H, **Radsak MP**. Distinct signaling cascades of TREM-1, TLR and NLR in neutrophils and monocytic cells. *J. Innate Immun.* 2014;6:339-52.

Stein P, Rechtsteiner G, Warger T, Bopp T, Fuhr T, Prüfer S, Probst HC, Stassen M, Langguth P, Schild H, **Radsak MP**. UV exposure boosts transcutaneous immunization and improves tumor immunity: cytotoxic T-cell priming through the skin. *J. Invest. Dermatol.* 2011;131:211-9.

Haselmayer P, Grosse-Hovest L, von Landenberg P, Schild H*, **Radsak MP***. TREM-1 ligand expression on platelets enhances neutrophil activation. *Blood* 2007;110:1029-1035. *corresponding author

Warger T, Hilf N, Rechtsteiner G, Haselmayer P, Carrick DM, Jonuleit H, von Landenberg P, Rammensee HG, Nicchitta CV, **Radsak** MP*, Schild H*. Interaction of TLR2 and TLR4 ligands with the N-terminal domain of Gp96 amplifies innate and adaptive immune responses. *J. Biol. Chem.* 2006, 281:22545-53. *corresponding author

Rechtsteiner G, Warger T, Osterloh P, Schild H*, **Radsak MP***. Cutting edge: priming of CTL by transcutaneous peptide immunization with imiquimod. *J. Immunol.* 2005;174:2476-80. *corresponding authors

**Radsak M P**, Hilf N, Singh-Jasuja H, Braedel S, Brossart P, Rammensee HG, Schild H. The heat shock protein Gp96 binds to human neutrophils and monocytes and stimulates effector functions. *Blood* 2003;101:2810-15