

Curriculum Vitae Jens Waschke

Personal Data

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Selection of peer-reviewed research articles:

1. Fuchs M, Möchel M, Radeva MY, *et al*, **Waschke J**. In desmosomes direct inhibition precedes p38MAPK-mediated uncoupling to reduce Dsg3 adhesion by pemphigus autoantibodies. *Br J Dermatol*. 2025 Apr 23;lja142. doi: 10.1093/bjd/lja142.
2. Egu DT, Schmitt T, Ernst N, *et al*, **Waschke J**. EGFR Inhibition by Erlotinib Rescues Desmosome Ultrastructure and Keratin Anchorage and Protects against Pemphigus Vulgaris IgG-Induced Acantholysis in Human Epidermis. *J Invest Dermatol*. 2024 Nov;144(11):2440-2452. doi: 10.1016/j.jid.2024.03.040.
3. Sigmund AM, Winkler M, Engelmayer S, *et al*, **Waschke J**. Apremilast prevents blistering in human epidermis and stabilizes keratinocyte adhesion in pemphigus. *Nat Commun*. 2023 Feb 7;14(1):665. doi: 10.1038/s41467-023-36464-6.
4. Yeruva S, Stangner K, Jungwirth A, *et al*, **Waschke J**. Catalytic antibodies in arrhythmogenic cardiomyopathy patients cleave desmoglein 2 and N-cadherin and impair cardiomyocyte cohesion. *Cell Mol Life Sci*. 2023 Jul 14;80(8):203. doi: 10.1007/s00018-023-04853-1.
5. Schmitt T, Egu DT, Walter E, *et al*, **Waschke J**. Ca²⁺ signalling is critical for autoantibody-induced blistering of human epidermis in pemphigus. *Br J Dermatol*. 2021 Sep;185(3):595-604. doi: 10.1111/bjd.20091.
6. Schinner C, Vielmuth F, Rötzer V, *et al*, **Waschke J**. Adrenergic Signaling Strengthens Cardiac Myocyte Cohesion. *Circ Res*. 2017 Apr 14;120(8):1305-1317. doi: 10.1161/CIRCRESAHA.116.309631.
7. Spindler V, Rötzer V, Dehner C, *et al*, **Waschke J**. Peptide-mediated desmoglein 3 crosslinking prevents pemphigus vulgaris autoantibody-induced skin blistering. *J Clin Invest*. 2013 Feb;123(2):800-11. doi: 10.1172/JCI60139.
8. Heupel WM, Zillikens D, Drenckhahn D, **Waschke J**. Pemphigus vulgaris IgG directly inhibit desmoglein 3-mediated transinteraction. *J Immunol*. 2008 Aug 1;181(3):1825-34. doi: 10.4049/jimmunol.181.3.1825.
9. **Waschke J**, Spindler V, Bruggeman P, *et al*, Drenckhahn D. Inhibition of Rho A activity causes pemphigus skin blistering. *J Cell Biol*. 2006 Dec 4;175(5):721-7. doi: 10.1083/jcb.200605125.
10. **Waschke J**, Bruggeman P, Baumgartner W, Zillikens D, Drenckhahn D. Pemphigus foliaceus IgG causes dissociation of desmoglein 1-containing junctions without blocking desmoglein 1 transinteraction. *J Clin Invest*. 2005 Nov;115(11):3157-65. doi: 10.1172/JCI23475.