



Curriculum vitae

Frank Hildebrand

DCGOU position

Member at Large

Clinical Position

Director and Professor, Department of Orthopedics, Trauma and Reconstructive Surgery, University Hospital RWTH Aachen

Scientific activities

1. President of the German Society for Orthopaedic and Trauma Surgery (DGOU) and of the German Trauma Society (DGU) 2026
2. President of the Section "Basic Science" of DGOU (2015-2017)
3. Member of the "Review board" of DFG (since 2020)
4. Head of the Scientific Committee of DGU (2022-2024)
5. Co-Chair DFG-Research Unit (Forschungsgruppe) 5417 (since 2022)
6. Author of 448 Pubmed-listed publications, awardee of 16 national and international scientific awards
7. Editor "European Journal of Trauma and Emergency Surgery"
8. Editorial Board "Shock", "Unfallchirurgie", "Journal of Clinical Medicine"

Qualifications/ Additional title

Master of Health Business Administration

Specialties

Polytrauma, Periprosthetic Fractures, Pelvic fractures

Scholarships/ Fellowships

Research Fellow, Center of Surgical Research, University of Alabama at Birmingham

Honorary Appointments/ memberships

1. President of the „European Society of Trauma and Emergency Surgery“ 2023-2024
2. Ltd. AO Trauma-Chirurg

Possibly publications (p.a. last or most important last five)

1. Horst K, Greven J, Lüken H, Zhi Q, Pfeifer R, Simon TP, Relja B, Marzi I, Pape HC, **Hildebrand F**. Trauma Severity and Its Impact on Local Inflammation in Extremity Injury-Insights

From a Combined Trauma Model in Pigs. Front Immunol. 2020 Jan 9;10:3028 **(IF 4,716)**

2. Chen H, Zheng D, Pan W, Li X, Lv B, Gu W, Machuki JO, Chen J, Liang W, Qin K, Greven J, **Hildebrand F**, Yu Z, Zhang X, Guo K. Biomimetic Nanotheranostics Camouflaged with Cancer Cell Membranes Integrating Persistent Oxygen Supply and Homotypic Targeting for Hypoxic Tumor Elimination. ACS Appl Mater Interfaces 2021 May 5;13(17):19710-19725 **(IF 8,758)**
3. Lupu L, Horst K, Greven J, Mert Ü, Ludviksen JAK, Pettersen K, Lau C, Li Y, Palmer A, Qin K, Zhang X, Mayer B, van Griensven M, Huber-Lang M, **Hildebrand F**, Mollnes TE. Simultaneous C5 and CD14 inhibition limits inflammation and organ dysfunction in pig polytrauma. Front Immunol. 2022; A18:13:952267 **(IF 8,786)**
4. Laubach M, Suresh S, Herath B, Wille ML, Delbrück H, Alabdulrahman H, Hutmacher DW, **Hildebrand F** Clinical translation of a patient-specific scaffold-guided bone regeneration concept in four cases with large long bone defects. J Orthop Translat. 2022;34:73-84 **(IF 5,191)**
5. Horst K, Mollnes TE, Huber-Lang M, **Hildebrand F**. Organ cross talk and its impact on the clinical course in multiple trauma and critical illness. Front Immunol. 2023; 5;14: 1195371 **(IF 8,786)**

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