CURRICULUM VITAE

Priv.-Doz. Dr. med. Tim Hoenig

EDUCATION AND PROFESSIONAL EXPERIENCE

10/2014 – 11/2020	Medical School, University of Hamburg, Germany
01/2017 – 12/2020	Doctoral Studies, University of Hamburg, Germany
	Thesis titled: Fatigue-induced non-linear biomechanical changes of running gait as determined by the largest Lyapunov exponent
01/2021 – today	Residency, Department of Trauma and Orthopaedic Surgery, University Medical Center Hamburg-Eppendorf, Germany (Head of Department: Prof. Karl-Heinz Frosch)
	Rotations: Lower Extremity, Upper Extremity, Spine, Tumor, Emergency Medicine, Joint Replacement (ENDO-Clinic Hamburg), Intensive Care Medicine
10/2021 – today	Team Physician of the German Athletics National Team
	2021 – 2024: Olympic Interval Tokio – Paris
	2024 – 2028: Olympic Interval Paris – Los Angeles
09/2024	Advanced Trauma Life Support (ATLS) Provider
09/2024	Race Emergency Medicine Course (REMC) Provider
07/2025	Medical Doctor FISU World University Games
12/2025 – today	Principal Investigator DFG Network “Impact of Relative Energy Deficiency in Sports on Bone Health”
10/2026	Habilitation and Venia Legendi
	Thesis titled: Translational Treatment and Risk Reduction Strategies for Bone Stress Injuries in Sports with Particular Focus on Skeletal Biology, Load Management and Stress-Strain Relation

SCHOLARSHIPS & AWARDS

2022	GOTS Heinrich Hess Award
2023	EFORT Jacques Duparc Award
2025	GOTS Asia Fellowship
2026	DGU Translational Science Award

CLINICAL FELLOWSHIPS / VISITING RESEARCHER

12/2018	Sports Medicine, Centre Hospitalier de Luxembourg, Luxembourg (Prof. Romain Seil)
11/2019	Sports Medicine, Sports Medicine Clinic Thessaloniki, Thessaloniki, Greece (Dr. Nikos Mallioropoulos)
02/2020	Biomechanics, University of Queensland, Brisbane, Australia (Prof. Steffen Willwacher)
08/2022	Sports Medicine, Spaulding Rehabilitation Hospital, Harvard Medical School, Boston, USA (Prof. Adam S. Tenforde)
03/2023	Biomechanics, University of Calgary, Calgary, Canada (Prof. Brent Edwards)
05/2024	Foot & Ankle, Massachusetts General Hospital, Harvard Medical School, Boston, USA (Prof. Christopher W. DiGiovanni)
10/2024	Sports Medicine, Aspetar, Doha, Qatar (Dr. Juan-Manuel Alonso, Dr. Stephen Targett)
08/2025	Foot & Ankle, Bass Medical Group, Palo Alto, USA (Dr. Amol Saxena)
11/2025	Trauma Surgery, Austral University Hospital, Buenos Aires, Argentina (Prof. Carlos M. Autorino)
11/2025	Lower Extremity, Clinica Alemana, Santiago de Chile, Chile (Prof. David Figueroa)
11/2025	Lower Extremity, Hospital Nacional Edgardo Rebagliati Martins, Lima, Peru (Dr. Claudia Arias)
08/2026	Sports Medicine, Institute of Science Tokyo, Tokyo, Japan (Prof. Hideyuki Koga)
09/2026	Lower Extremity, Samsung Medical Center, Seoul, Korea (Prof. Jun Ho Wang)

MEMBERSHIP IN SCIENTIFIC ORGANISATIONS

German Society for Sports Medicine and Prevention (DGSP)

German Society of Orthopaedics and Traumatic Sports Medicine (GOTS)

German-Speaking Arthroscopy Association (AGA)

German Knee Association (DKG)

Sport Physicians Association Hamburg (HSB)

Olympic Sport Physicians Association Germany (VÄ)

Association of Orthopaedic Specialists and Trauma Surgeons (BVOU)

German Society of Orthopaedics and Traumatology (DGOU)

PEER-REVIEW ACTIVITIES (SELECTION)

Acta Pharmaceutica Sinica B

Annals of Joint

Archives of Orthopaedic and Trauma Surgery

BMC Musculoskeletal Disorders

BMJ Open Sport & Exercise Medicine

Bone Reports

British Journal of Sports Medicine

Calcified Tissue International

Clinical Case Reports

Digital Health

Discover Medicine

European Journal of Medical Research

European Journal of Orthopaedic Surgery & Traumatology

European Journal of Sport Science

Foot & Ankle Specialist

Gait & Posture

Injury Epidemiology

International Journal of Emergency Medicine

Journal of Orthopaedic Surgery and Research

Journal of Science and Medicine in Sport

Knee Surgery, Sports Traumatology, Arthroscopy

Lasers in Medical Science

Performance Enhancement & Health

Physical Therapy in Sport

PLOS ONE

Quantitative Imaging in Medicine and Surgery

Science and Medicine in Football

Scientific Reports

Sport Sciences for Health

Sports Biomechanics

Sports Medicine

The Physician and Sportsmedicine

LIST OF MOST IMPORTANT SCIENTIFIC ARTICLES (SELECTION)

1. Finnern L, Wilke J, Willwacher S, Pasanen K, Hollander K, Dalos D, Welsch G, Krosshaug T, Edouard P, Gronwald T, Hoenig T (2026). Qualitative and quantitative situational characteristics of muscle strains in sports: A systematic review and meta-analysis. *British Journal of Sports Medicine*. IF 15.5.
2. Edouard P, Tsukahara Y, Mann R, De Neve N, Timpka T, Iatropoulos S, Blanco D, Dandrieux PE, Jacobsson J, Mosser C, Thornton J, Branco P, Hoenig T, Hollander K (2026). Prevalence, incidence and characteristics of musculoskeletal injuries in Athletics (track and field): A systematic review and meta-analysis. *British Journal of Sports Medicine.* IF 15.5.
3. Fohrmann D, Winter I, Simon A, Dalos D, Gronwald T, Hoenig T, Rolvien T, Hollander K (2025). Biomechanical Changes during Running on a Lower Body Positive Pressure Treadmill in Competitive Runners. *Scandinavian Journal of Medicine and Science in Sports.* IF 4.0.
4. Hoenig T, Hollander K, Popp KL, Fredericson M, Kraus E, Warden SJ, Tenforde AS, Bone Stress Injury Authorship Group (2024). International Delphi consensus on bone stress injuries in athletes. *British Journal of Sports Medicine.* IF 15.5.
5. Hoenig T, Rahlf L, Wilke J, Krauß I, Dalos D, Willwacher S, Mai P, Hollander K, Fohrmann D, Krosshaug T, Gronwald T (2024). Appraising the methodological quality of sports injury video analysis studies: the QA-SIVAS scale. *Sports Medicine.* IF 11.0.
6. Hoenig T, Eissele J, Strahl A, Popp KL, Stürznickel J, Ackerman KE, Hollander K, Warden SJ, Frosch KH, Tenforde AS, Rolvien T (2023). Return to sport following low-risk and high-risk bone stress injuries: a systematic review and meta-analysis. *British Journal of Sports Medicine.* IF 15.5.
7. Hoenig T, Gronwald T, Hollander K, Klein C, Frosch KH, Ueblacker P, Rolvien T (2023). Video analysis of Achilles tendon ruptures in professional male football (soccer) reveals underlying injury patterns and provides strategies for injury prevention. *Knee Surgery, Sports Traumatology, Arthroscopy.* IF 5.5.
8. Stürznickel J, Hinz N, Delsmann MM, Hoenig T, Rolvien T (2022). Impaired bone microarchitecture at distal radial and tibial reference locations is not related to injury site in athletes with bone stress injury. *The American Journal of Sports Medicine.* IF 5.4.
9. Hoenig T, Ackerman KE, Beck BR, Bouxsein ML, Burr DB, Hollander K, Popp KL, Rolvien T, Tenforde AS, Warden SJ (2022). Bone stress injuries. *Nature Reviews Disease Primers*. IF 79.8.
10. Gronwald T, Klein C, Hoenig T, Edouard P, Hollander K (2022). Hamstring strain injury patterns in professional male football (soccer): a systematic video analysis of 52 cases. *British Journal of Sports Medicine.* IF 15.5.

LIST OF MOST IMPORTANT SCIENTIFIC TALKS (SELECTION)

1. Bone Stress Injuries: The Hidden Threat in Athletes
   47th Autumn Academic Conference of the Korean Orthopaedic Society for Sports Medicine (KOSSM)
   Seoul, Korea
   19/09/2026
2. Foot & Ankle Injuries in Elite Sports
   Tokyo Women's Medical University Hospital Orthopaedic Lecture
   Tokyo, Japan
   02/09/2026
3. Injury Reduction Strategies in Running
   Annual Meeting of the Japan Sports Orthopaedic Association (JSOA)
   Sapporo, Japan
   28/08/2026
4. Bone Stress Injuries
   Seminar Magistrale Sociedad Chilena de Medicina del Deporte
   Santiago de Chile, Chile
   25/11/2025
5. Medical Care in Running
   62. AAOT National Orthopaedic Congress of Argentina
   Buenos Aires, Argentina
   19/11/2025
6. International Consensus Statement on Bone Stress Injuries
   Aspetar Bone Stress Injury Symposium 2024
   Doha, Qatar
   05/10/2024
7. Bone Stress Injuries: Current Challenges
   2024 Annual Congress of the American College of Sports Medicine (ACSM)
   Boston, USA
   30/05/2024
8. Running Biomechanics and Running-Related Injuries
   Symposium of the Norwegian Association of Sports Medicine and Physiotherapy.
   Oslo, Norway
   7/12/2023
9. Quality Assessment of Sports Injury Studies
   Congress of the German Association for Orthopaedic and Traumatic Sports Medicine
   Luxembourg City, Luxembourg
   16/06/2023
10. Clinical Aspect of Bone Stress Injuries
    University of Calgary Biomechanics Seminar
    Calgary, Canada
    06/04/2023

MAIN TEACHING INTERESTS

Bed-Side Teaching, Hands-On Teaching (Musculoskeletal Sonography, Orthopaedic Casting, Joint Examination, Gait Assessment), Blended Learning, Problem-Based Learning, Science Education, International Exchange Programs, AI-Based and Simulator-Based Training in Orthopaedic Surgery, Mentoring (Mentorship Program of the Medical Faculty, University of Hamburg), Interdisciplinary Teaching, Tandem Teaching, Interprofessional Teaching (Medicine for Engineers at Technical University Hamburg)

LIST OF COURSES TAUGHT (2021 – 2026)

Introduction to Trauma & Orthopaedic Surgery

Clerkship Trauma & Orthopaedic Surgery

Injuries of the Trunk

Injuries of the Lower Extremities

Injuries of the Upper Extremities

Surgical Approaches to the Lower Extremities

Falls in the Elderly

PRIVATE SPORT ACTIVITIES

Swimming, Cycling, Running, Snowboarding, Windsurfing, Yoga