

Curriculum Vitae

Michael Marschollek Professor, Dr. med. Dr.-Ing.
born in Thuine, Germany

University Education

2009 Doctorate Computer Science, TU Braunschweig
1999 Doctorate Medicine, MHH
2001-2004 Computer Science, TU Braunschweig, Germany
1992–1999 Medicine, Hannover Medical School

Scientific Career

Since 2015 Professor (W2, W3) for Medical Informatics and Director of Peter L. Reichertz Institute for Medical Informatics, Hannover Medical School
2009-2015 Professor for Clinical Informatics, Hannover Medical School
2014 Certificate Medical Informatics, German Association for Med. Informatics, Biometry and Epidemiol.(GMDS)
2005-2009 Postdoctoral researcher, Peter L. Reichertz Institute for Medical Informatics, TU Braunschweig, Germany
2004-2005 Postdoctoral researcher, Institute for Medical Informatics, University Medicine Göttingen, Germany
1999-2001 Clinical work (AiP and assistant physician) in sports medicine and surgery, Agnes-Karll-Krankenhaus, Laatzen, Germany

Awards and Honors

Since 2019 Elected Member, International Academy of Health Sciences Informatics (IAHSI)
Since 2019 Elected Member, Braunschweig Scientific Society (BWG)
Since 2015 Associate Member, IEEE EMBS TC on Wearable Biomed. Sensors&Systems
2021 Best Paper Award (Rolf Hansen Prize), Med. Informatics Eur. (sen. author)
2021 Best Paper Award of Fraunhofer IGD and the Visual Computing Group of TU Darmstadt (co-author)
2007 Best Paper Award, Smart Homes for Tele-Health (Smartel'07), IEEE AINA'07

Citation Record

Total citations: 6,031; h-index: 43; h-index since 2021: 27 (Google Scholar March 2nd, 2026)

Top-10 selected Publications

Roy, S., Krähe, S., **Marschollek, M.**, Frieling, H., Ganguly, N., & Wolff, D. (2025). Decision tree-based approach to robust Parkinson's disease subtyping using clinical data of the Michael J. Fox Foundation LRRK2 cross-sectional study. *Frontiers in artificial intelligence*, 8, 1668206. <https://doi.org/10.3389/frai.2025.1668206>

Biermann, P., Baier, C., Vietor, A. C., Zacher, B., Baumgartl, T., von Landesberger, T., Behnke, M., Storck, M., Petzold, M., Kaase, M., HiGHmed Infection Control Study Group, Schlüter, D., **Marschollek, M.**, Scheithauer, S., & Wulff, A. (2025). An openEHR based infection control system to support monitoring of nosocomial bacterial clusters and contacts. *NPJ digital medicine*, 8(1), 385. <https://doi.org/10.1038/s41746-025-01795-9>

Weber, A., van Hees, V. T., Stein, M. J., Gastell, S., Steindorf, K., Herbolzheimer, F., Ostrzinski, S., Pischon, T., Brandes, M., Krist, L., **Marschollek, M.**, Greiser, K. H., Nimptsch, K., Brandes, B., Jochem, C., Sedlmeier, A. M., Berger, K., Brenner, H., Buck, C., Castell, S., ... Baurecht, H. (2024). Large-scale assessment of physical activity in a population using high-resolution hip-worn accelerometry: the

German National Cohort (NAKO). *Scientific reports*, 14(1), 7927. <https://doi.org/10.1038/s41598-024-58461-5>

Kohler, S., Boscá, D., Kärcher, F., Haarbrandt, B., Prinz, M., **Marschollek, M.**, & Eils, R. (2023). Eos and OMOCL: Towards a seamless integration of openEHR records into the OMOP Common Data Model. *Journal of biomedical informatics*, 144, 104437. <https://doi.org/10.1016/j.jbi.2023.104437>

Böhnke, J., Rübsamen, N., Mast, M., Rathert, H., ELISE Study Group, Karch, A., Jack, T., & Wulff, A. (2022). Prediction models for SIRS, sepsis and associated organ dysfunctions in paediatric intensive care: study protocol for a diagnostic test accuracy study. *BMJ paediatrics open*, 6(1), e001618. <https://doi.org/10.1136/bmjpo-2022-001618>

Bichel-Findlay, J., Koch, S., Mantas, J., Abdul, S. S., Al-Shorbaji, N., Ammenwerth, E., Baum, A., Borycki, E. M., Demiris, G., Hasman, A., Hersh, W., Hovenga, E., Huebner, U. H., Huesing, E. S., Kushniruk, A., Hwa Lee, K., Lehmann, C. U., Lillehaug, S. I., Marin, H. F., **Marschollek, M.**, ... Wright, G. (2023). Recommendations of the International Medical Informatics Association (IMIA) on Education in Biomedical and Health Informatics: Second Revision. *International journal of medical informatics*, 170, 104908. <https://doi.org/10.1016/j.ijmedinf.2022.104908>

Wolff, J., Hefner, G., Normann, C., Kaier, K., Binder, H., Domschke, K., Hiemke, C., **Marschollek, M.**, & Klimke, A. (2021). Predicting the risk of drug-drug interactions in psychiatric hospitals: a retrospective longitudinal pharmacovigilance study. *BMJ open*, 11(4), e045276. <https://doi.org/10.1136/bmjopen-2020-045276>

Wolff, D., Nee, S., Hickey, N. S., & **Marschollek, M.** (2021). Risk factors for Covid-19 severity and fatality: a structured literature review. *Infection*, 49(1), 15–28. <https://doi.org/10.1007/s15010-020-01509-1>

Haarbrandt, B., Schreiweis, B., Rey, S., Sax, U., Scheithauer, S., Rienhoff, O., Knaup-Gregori, P., Bavendiek, U., Dieterich, C., Brors, B., Kraus, I., Thoms, C. M., Jäger, D., Ellenrieder, V., Bergh, B., Yahyapour, R., Eils, R., Consortium, H., & **Marschollek, M.** (2018). HiGHmed - An Open Platform Approach to Enhance Care and Research across Institutional Boundaries. *Methods of information in medicine*, 57(S 01), e66–e81. <https://doi.org/10.3414/ME18-02-0002>