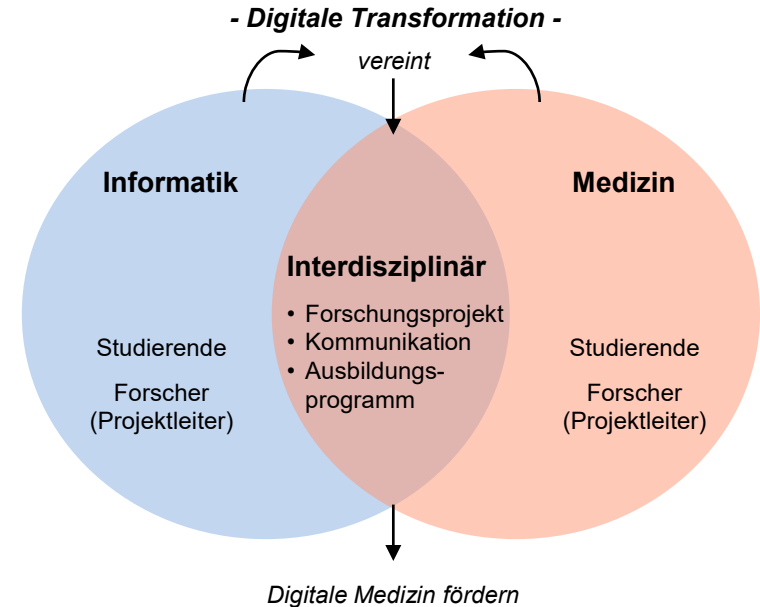


Über das Programm

- Ein strukturiertes Ausbildungsprogramm zur Förderung der Kooperation zwischen Medizin und Informatik
- Spannende, praxisrelevante Projekte im Themenbereich **Digitale Transformation in der Medizin**
- Gemeinsame **Abschlussarbeiten** für:
 - Promovierende der Humanmedizin (12 Monate)
 - Masterstudierende der Informatik und verwandter Studiengänge (6 Monate)

Benefits

- Eine monatliche finanzielle Unterstützung (**ca. 400 Euro/Monat**) und eine **enge wissenschaftliche Betreuung** werden gestellt,
- **Projektveranstaltungen** im Plenum und begleitende **Lehrveranstaltungen zu Hard- wie auch Soft-Skills** bilden das Rahmenprogramm.



Zuvor angebotene Projekte (3. Jahrgang 2023/24, aktuell bearbeitet)

B01 - Heartbeat Measurements on eScooters for Continuous Health Monitoring

Prof. Dr. Thomas M. Deserno, Peter L. Reichertz Institute for Medical Informatics of TU Braunschweig and Hannover Medical School

B04 – Ambulatory assessment of online shopping activities in patients with compulsive buying-shopping disorder

Prof. Dr. Astrid Müller, MD, PhD, Department of Psychosomatic Medicine and Psychotherapy, Hannover Medical School

B02 - Identification of risk factors for postoperative acute kidney injury after non-cardiac surgery

PD Dr. Thomas Stüber, Department of Anesthesiology and Intensive Care Medicine, Hannover Medical School

B05 - Development of a bioinformatical tool to predict clinical responses to CFTR modulator therapy by integrating microbial metagenomics, inflammatory cell transcriptomics and secretomics - *Masterarbeit noch verfügbar* -

Prof. Dr. med. Anna-Maria Dittrich, Pediatric Pneumology, Allergy and Neonatology, Hannover Medical School

B03 – Delineating immune escape mechanisms in acute myeloid leukemia through single-cell analyses

Prof. Dr. Michael Heuser, Clinic for Hematology, Hemostasis, Oncology and Stem Cell Transplantation, Hannover Medical School

B06 – Towards AI-based registration for advanced functional lung imaging

Prof. Dr. med. Jens Vogel-Claussen, Institute for Diagnostic and Interventional Radiology, Hannover Medical School

Zuvor angebotene Projekte (3. Jahrgang 2023/24, aktuell bearbeitet)

B07 – Is blended treatment with a WebApp-based therapy of mental disorders after life-threatening cardiac events more effective compared to non-blended treatment?

Prof. Dr. Kai G. Kahl, Department of Psychiatry, Social Psychiatry and Psychotherapy, Hannover Medical School

B10 – Inter-hospital Transfer for Endovascular Treatment in Acute Stroke Care using the Smart Application "VIZ"

PD Dr med Hans Worthmann, Department of Neurology, Hannover Medical School

B08 – Exploring GSK3 α Bodies as a Biomarker for Asparaginase Sensitivity in Cancer Cells

Dr. Laura Hinze, Klinik für Pädiatrische Hämatologie und Onkologie, Hannover Medical School

B11 – Characterization of Ambulatory Blood Pressure Monitoring (ABPM) Profiles Using Data Mining and Machine Learning in Healthy and Diseased Children

Prof. Dr. med. Anette Melk, PhD, Department of Pediatric Kidney, Liver and Metabolic Diseases, Hannover Medical School

Prof. Dr.-Ing. Steffen Oeltze-Jafra, Peter L. Reichertz Institute for Medical Informatics of TU Braunschweig and Hannover Medical School

B09 – Unsupervised identification of prognostic cell type signatures for CNS infiltration in ALL

Prof. Dr. Martin Stanulla, Pediatric Hematology and Oncology, Hannover Medical School

B12 – AI-based image analysis in pediatric echocardiography to improve the monitoring of relevant parameters in children with pulmonary hypertension

Dr.-ing. Mohamed Yaseen Jabarulla, Peter L. Reichertz Institute for Medical Informatics of TU Braunschweig and Hannover Medical School

Dr. med. Theodor Uden, Pediatric Cardiology and Pediatric Intensive Care Medicine

Vielen Dank für Ihre Aufmerksamkeit!

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digistrucmed@mh-hannover.de



Möglicher Beginn eines Masterprojekts:

1. Juni 2024 – 1. Februar 2025

Bewerbungsschluss: 1. März 2024

(spätere Bewerbungen werden ggf. berücksichtigt)