

Dear colleagues,

THE MIRACUM CONSORTIUM (Medical Informatics in Research and Care in University Medicine) welcomes you to its **KICK-OFF MEETING** in Erlangen.

In July 2017, the BMBF announced that MIRACUM is one of four funded consortia with a financial volume of €32 Mio for the coming four years. Spread over five German states, eight universities with eight university hospitals, two universities of applied sciences and one industrial partner cooperate with joint data integration centre (DIC) developments and clinical/research use cases to prove the DIC value.

In the symposium sessions, we present top-ranking scientists and experts to first illustrate the international state of the art in the field of data sharing networks and then describe the MIRACUM concepts and show first results.

ON THURSDAY AFTERNOON AND FRIDAY MORNING, the members of our International Scientific Advisory Board give insight in their views and experiences with dedicated challenges MIRACUM will tackle.

ON FRIDAY NOON, the programme illuminates the concrete scientific topics that we will approach in the upcoming four years:

THE SPOTLIGHT of the initiative is on the data integration centres that will be embedded in the local hospital IT-infrastructures and will facilitate the integration of EHR and research data and the shared usage of data within the consortia university hospitals for diverse analytics and machine learning aspects. Three use cases (patient recruitment, prediction models, precision medicine/molecular tumour boards) shall prove the effectivity of the innovative infrastructure with direct and prompt improvement of patient care. Data protection and data security are given top priority in this venture. Further we will elaborate a programme for strengthening medical informatics by extending the academic offer, including new professorships in the field of medical informatics, a novel, innovative master programme and personnel training.

We wish you an enlightening event in Erlangen!

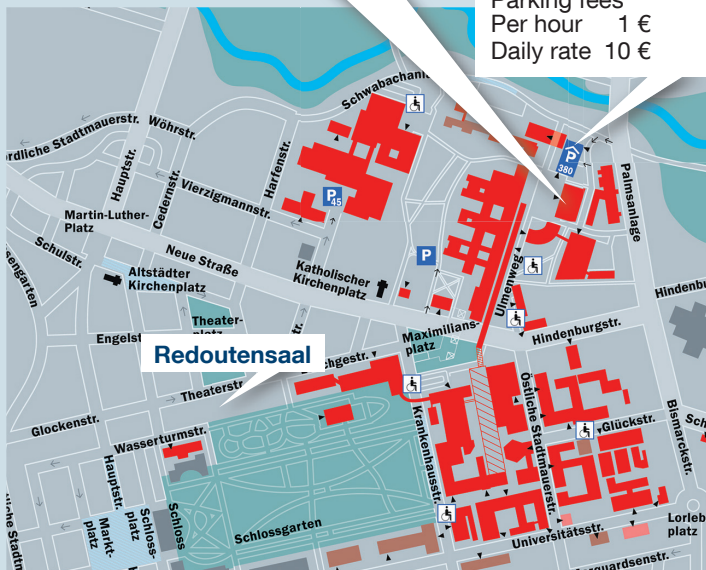
Prof. Dr. H.-U. Prokosch
MIRACUM Coordinator

Prof. Dr. T. Acker
MIRACUM Deputy Coordinator

Prof. Dr. Dr. h.c. J. Schüttler
Dean of the Medical Faculty, FAU

Symposium venue

Hörsäle Medizin Ulmenweg 18, 91054 Erlangen



Parking

Parkhaus Uni-Klinik
Schwabachanlage 14
access via
Palmsanlage

Parking fees
Per hour 1 €
Daily rate 10 €



Universitätsklinikum
Erlangen

FAU FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG



GEFÖRDERT VOM



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Free Attendance. Please register here:

<http://www.miracum.org/symposium-2018/registration/>



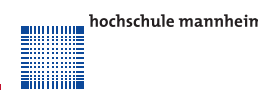
Zertifiziert mit 11
Fortbildungspunkten
der Bayerischen
Landesärztekammer

MIRACUM Kick-off Symposium
22nd - 23rd February 2018
Erlangen



miracum

Medical Informatics for Research and Care in University Medicine



Thursday 22.02.2018

15:00 Welcome

Jürgen Schüttler

Dean of the Medical Faculty, FAU

Joachim Hornegger

President of the FAU

Hans-Ulrich Prokosch

Head of the MIRACUM Consortium,

Chair of Medical Informatics, FAU

Session 1

Chair: Martin Boeker

Institute of Medical Biometry and Statistics,

Albert-Ludwigs-Universität Freiburg

15:10 The role of big data analytics in the evolution of clinical trials

Lisa McShane

Division of Cancer Treatment & Diagnosis NIH, Bethesda, USA

15:45 The use of SNOMED CT in the BMBF MI-I:

Opportunities, Challenges and Requirements

Stefan Schulz

Institute of Medical Informatics, Statistics and Documentation,

Medical University Graz, Graz, Austria

16:20 FHIR – the answer to the interoperability questions of the BMBF MI-I

Kai U. Heitmann

HL7 Deutschland / Heitmann Consulting and Services /

Gefyra GmbH, Köln

16:55 Coffee Break

Session 2

Chair: Christian Haverkamp

Department IT Processes, University Hospital Freiburg

17:20 The role of neuroimaging in the medical component of the Human Brain Project

Richard Frackowiak

Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland

17:55 Ambient and wearable computing for digital health – A new Chair at FAU

Oliver Amft

Chair of eHealth / mHealth, FAU

18:30 Day Closure

20:00 MIRACUM PARTY (featuring GMDS-Allstars)

Redoutensaal, Theaterplatz 1, Erlangen

Friday 23.02.2018

Session 3

Chair: Till Acker

Neuropathology, University Hospital Gießen

09:00 Results from OHDSI and perspectives for international data sharing projects

George Hripcsak

Biomedical Informatics, Columbia University,

New York City, USA

09:35 Problems with exchanging medical data: Experiences in the Netherlands

Arie Hasman

Academic Medical Center of the University of Amsterdam,

Amsterdam, The Netherlands

10:10 Facilitating precision oncology through enterprise-level implementation of next generation sequencing tumor panels

Ahmet Zehir

Clinical Bioinformatics, Memorial Sloan Kettering Cancer Center,

New York City, USA

10:45 Coffee Break

Session 4

Chair: Jürgen Schüttler

Medical Faculty, FAU

11:05 The national steering committee (NSC) of the BMBF MI-I, the NSC central office and the NSC working groups

Sebastian Semler

TMF e.V., Berlin

11:25 Status and activities of the NSC working group „Interoperability“

Thomas Ganslandt

Medical Centre for Information and Communication Technology,

University Hospital Erlangen

11:45 Status and activities of the NSC working groups „Data Sharing“ and „Consent“

Manfred Brunner

Data Protection Officer, University Hospital Erlangen

Session 5

Chair: Hans-Ulrich Prokosch

Chair of Medical Informatics, FAU

12:05 Components of the MIRACUM Data Integration Centres (DIC) and current status

Hans-Ulrich Prokosch

Chair of Medical Informatics, FAU

12:25 Our DIC – what we can do already (exemplary: stroke data analysis)

Christian Haverkamp

Department IT Processes, University Hospital Freiburg

12:35 Our DIC – what we can do already (exemplary: colorectal cancer analysis)

Martin Sedlmayr

Chair of Medical Informatics, FAU

12:45 Lunch Break

Session 6

Chair: Johannes Bernarding

Institute for Biometry and Medical Informatics,

Otto-von-Guericke-University Magdeburg

13:45 Use Case 1 – Study registries and patient recruitment

Hans-Ulrich Prokosch

Chair of Medical Informatics, FAU

14:00 Use Case 2 –

Prediction models for Asthma/COPD and brain tumours

Harald Binder

Institute of Medical Biometry and Statistics,

Albert-Ludwigs-Universität Freiburg

14:15 Use Case 3 – Precision medicine: example molecular tumour boards (first results and planning)

Melanie Böttres

Institute for Molecular Medicine and Cellular Research,

Albert-Ludwigs-Universität Freiburg

Session 7

Chair: Michael Neumaier

Institute for Clinical Chemistry,

Medical Faculty Mannheim of the University Heidelberg

14:30 Bypassing all Trouble:

Direct Access to Patients' Data Treasures

Frank Ückert

DKFZ, Heidelberg

14:55 MIRACUM master programme across federal borders

Paul Schmücker / Keywan Sohrabi

University of Applied Sciences Mannheim /

University of Applied Sciences Mittelhessen

15:15 Computational epigenomics in health and disease

Ho-Ryun Chung

Max Planck Institute for Molecular Genetics,

Berlin

15:40 Symposium Closure

