

## First BIOBANKING Summer School in Regensburg



24<sup>th</sup> – 28<sup>th</sup> September 2018

University Hospital Regensburg  
Lecture hall A2 /west entrance)



Universität Regensburg

Register now:

[www.congress-registration.ukr.de](http://www.congress-registration.ukr.de)

gefördert durch:

Bayerisches Staatsministerium der Finanzen,  
für Landesentwicklung und Heimat



Bayerisch-Tschechische  
Hochschulagentur  
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Dear colleagues,

biobanking is a crucial component of personalized medicine. Tremendous technical developments in sample preparation, storage techniques and IT-infrastructure will change the field within the next years rapidly. In addition, the recent EU data protection regulation provides a new legal framework for using biobank data and leads to challenges in world-wide biobank cooperation's and sample exchange.

The first BRoTHER Summer School for Biobanking addresses both the novel technologies and methodologies and the recent changes in the legal and ethical framework.

Join us at the UNESCO world heritage site of Regensburg to participate in hands-on courses about the latest break-through technical developments in biobanking. Learn and discuss the huge progress in biobanking with international experts in the field, and learn how to implement the new data protection regulation in your international projects both within and outside of the European Union.

BRoTHER (Biobank Research on Telemedical Approaches for Human Biobanks in a European Region) is a Bavarian-Czech biobank network to facilitate the interaction of different biobanks via digitalisation. It is funded by the Bavarian Czech University Agency (BTHA) with finances from the Bavarian State Ministry of Finances.

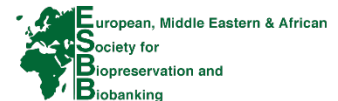
Prof. Dr. Christoph Brochhausen-Delius  
Coordinator of BRoTHER, Vice Chair of Pathology

Prof. Dr. Matthias Evert  
Chair of Pathology

In cooperation with:



DEUTSCHE GESELLSCHAFT  
FÜR PATHOLOGIE E.V.  
Seit 1897 - dem Leben verpflichtet



## Issues:

- Legal and ethical aspects of biobanking
- Grant applications in biobanking
- Sustainability of biobanks
- IT Developments
- Hardware developments
- Preanalytics
- Research on biobanking
- Network in biobanking

### Organization:

Lectures, hands-on trainings, work-shops

### Target groups:

Clinicians

Legal and administrative staff

Post Docs

Researchers

Students (undergraduate and doctoral)

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## Academic Work-shops

Tissue Microarray

Whole slide imaging

Hands-on Biobanking

Data protection and legal issues

Semantic web and biobank data

Funding and Cooperation

## Industry Demonstrations

Angelantoni

Informeleon

ISETNET

GEFAT-IT

Precipoint

Sysmex

3DHistech

The BRoTHER-Konsortium



Technische Universität München



Universität Regensburg



Program	Monday, 24.09.2018	Program	Tuesday, 25.09.2018
11:00	<b><i>Get-together coffee</i></b>	08:00	<b><i>Morning-Coffee</i></b>
12:00	Opening Ceremony Welcome addresses: Dean of the Faculty <i>Prof. Dr. Dr. Torsten Reichert</i> Bavarian State Ministry of Health <i>Dr. Thomas Huber</i> German Society of Pathology <i>Prof. Dr. Falko Fend</i> University of Perugia <i>Prof. Dr. Fabrizio Figorilli</i> City of Regensburg, Department for Economic and Research Affairs <i>Dr. Nicole Litzel</i> Speaker of the Comprehensive Cancer Center Ostbayern <i>Prof. Dr. Tobias Pukrop</i>	08:30	Digital Pathology, can it improve pathology? <i>Marius Nap</i>
12:50	BRoTHER - the idea of close Biobank cooperation <i>Christoph Brochhausen</i>	09:00	Tissue Microarray for biomarker validation <i>Pasquale De Blasio</i>
13:00	The challenge of international biobank cooperation <i>Erik Steinfeldler</i>	09:30	Deep learning in pathology image analysis <i>Tobias Lang</i>
13:30	Challenges for high quality in biobanking <i>Michael Neumaier</i>	10:00	<b><i>Coffee-Break</i></b>
14:00	Do we need an expiration date for biobanks <i>Franziska Vogl</i>	10:30	Galileo Tissue Microarray Platform Pasquale De Blasio, <i>ISENET</i>
14:30	Biomedical databases in legal perspectives <i>Rainer Arnold</i>	10:50	3DHistec Grand Master <i>Olaf Scheel, Sysmex</i>
15:30	Clear and plain language in the EU data protection concept <i>Joanna Osiejewicz</i>	11:10	<b>Training Program:</b> Tissue Microarray <i>Organized by ISENET and Sysmex</i>
15:30	Joint controller Agreement under GDPR <i>Valentina Colcelli</i>	13:00	<b><i>Lunch</i></b>
16:00	<b><i>Coffee-Break</i></b>	14:00	Using OBIB for managing biobank data <i>Mathias Brochhausen</i>
16:30	<b>Workshop:</b> Data protection and biobanking <i>Organized by V. Colcelli, R. Arnold, J. Osiejewicz</i>	14:30	Technical innovations for tissue biobank specimens <i>Paul Hofman</i>
18:00	<b><i>Bavarian opening of the Industry exhibition</i></b>	15:00	<b>Workshop:</b> Semantic - web technologies for biobanking <i>Organized by M. Brochhausen</i>
		16:00	<b><i>Coffee-Break</i></b>
		16:30	Flexible and sustainable data management for biobanks <i>Katrin Hallensleben</i>
		16:50	Rabbitfish - an intuitive and innovative approach to handle biobank data <i>Timo Schüller</i>
		17:10	<b>Product demonstrations</b>
		19:00	Regensburg Night Fever - Young Investigators Tour

Program	Wednesday, 26.09.2018	Program	Thursday, 27.09.2018
08:00	<b>Morning-Coffee</b>	08:00	<b>Morning-Coffee</b>
08:30	Development of BBMRIcz <i>Dalibor Valik</i>	08:30	Visions for modern biobanking in international networks <i>Jens Habermann</i>
09:00	<b>Training Program:</b> Hands-on Biobanking 1 <i>Organized by C. Brochhausen and Team</i>	09:00	Building-up the Biobank of the faculty hospital in Pilsen <i>Judita Kinkorova</i>
10:00	<b>Coffee-Break</b>	09:30	<b>Workshop:</b> Funding and cooperation <i>Organized by J. Kinkorova and K.Tomkova</i>
10:30	<b>Training Program:</b> Hands-on Biobanking 2 <i>Organized by C. Brochhausen and Team</i>	10:30	<b>Coffee-Break</b>
12:30	The European data regulation - the view of the European Data Protection Supervisor <i>Anna Colaps</i>	11:00	Invited lectures: New aspects in preanalytics <i>Karl-Friedrich Becker</i>
13:00	<b>Lunch</b>	11:30	Improving the quality of biological resources <i>Georges Dagher</i>
14:00	Cost-effective organization of an institutional human cancer biobank <i>Vincenzo Canzonieri</i>	12:00	Challenges for biobanking - the swedish experience <i>Mark Divers</i>
14:30	Financial issues of a tissue biobank <i>Alexander Maier</i>	12:30	<b>Lunch</b>
15:00	Sustainability of an integrated biobank <i>Marianne Henderson</i>	13:30	Biomarkers in Oncology <i>Ondrej Topolcan</i>
15:30	<b>Coffee-Break</b>	13:40	Multiplex Methods <i>Marie Karlikova</i>
16:00	Accompanying Event: Panell Discussion (in German) in cooperation with "Junges Europa e.V."	13:50	Stability of tumor markers after long term storage <i>Radek Kucera</i>
18:00	<b>Product demonstrations</b>	14:00	Data protection management in biobank software <i>Florian Kohlmayer</i>
19:30	<b>Dinner</b>	14:30	IT-based informed consent <i>Georgios Raptis</i>
		15:00	Evaluation, Certificates and Farewell
		<b>Program</b>	<b>Friday, 28.09.2018</b>
		08:20	<b>Morning-Coffee</b>
		08:30	Post summer-school program

## Speakers (alphabetical order)

<b>Prof. Dr. Dres. h.c. Rainer Arnold</b> Jean Monnet Chair of EU Law University Regensburg, Germany	<b>Dr. Katrin Momberg-Hallensleben</b> GEFAT-IT GmbH Hessisch Oldendorf, Germany
<b>Prof. Dr. Karl-Friedrich Becker</b> Head of the TUM Biobank Technical University Munich Munich, Germany	<b>Marianne Henderson</b> Senior Advisor on Biobanking, National Cancer Institute Rockville, USA
<b>Dr. Mathias Brochhausen</b> Associate Professor of Biomedical Informatics University of Arkansas for Medical Sciences Little Rock, USA	<b>Prof. Dr. Paul Hofman</b> Head of Clinical Cancer Centre Antoine Lacassagne Biobank, University Nice, France
<b>Prof. Dr. Christoph Brochhausen</b> Coordinator BROThER, Vice Chair of Pathology Institute of Pathology, University Regensburg Regensburg, Germany	<b>Assoc. Prof. Dr. Judita Kinkorova</b> Biobank Pilsen, University Hospital Pilsen Pilsen, Czech Republic
<b>Francesco D'Angelo PhD</b> General Manager Ruro Europe S.r.l. Perugia, Italy	<b>Dr. Marie Karlikova</b> Department of Immunochemistry University Hospital Pilsen Pilsen, Czech Republic
<b>Dr. Pasquale De Blasio</b> Founding President of ESBB Milano, Italy	<b>Dr. Florian Kohlmayer</b> Executive Director Bitcare GmbH Munich, Germany
<b>Dr. Vincenzo Canzonieri</b> CRO Centro di Riferimento Oncologico di Aviano Division of Pathology, Aviano, Italy	<b>Assoc. Prof. Dr. Radek Kucera</b> Department of Immunochemistry University Hospital Pilsen Pilsen, Czech Republic
<b>Anna Colaps PhD</b> Policy Assistant to the Supervisor European Data Protection Supervisor Brussels, Belgium	<b>Dr. Tobias Lang</b> CTO, MindPeak GmbH Hamburg, Germany
<b>Dr. Valentina Colcelli</b> National Research Council Institute CNR_IFAC Rome, Italy	<b>Dipl.-Kfm. Alexander Maier</b> BioMaterialBank Heidelberg, Pathologisches Institut Universitätsklinikum Heidelberg Heidelberg, Deutschland
<b>Dr. Georges Dagher</b> Directeur, Inserm US 13 Hôpital de la Salpêtrière Paris, France	<b>Marius Nap MD PhD</b> Senior Consultant for Digital Pathology Numansdorp, Netherlands
<b>Mark Divers PhD</b> Director KI Biobank, Karolinska Institutet Stockholm, Sweden	<b>Prof. Dr. Michael Neumaier</b> President of the European Federation of Laboratory Medicine, University Medical Centre Mannheim Mannheim, Germany

<b>Prof. Dr. Jens Habermann</b> President of ESBB, Director of Experimental Surgery University Lübeck, Germany	<b>Dr. Dr. Joanna Osiejewicz</b> Institute of Specialised and Intercultural Communication, University of Warsaw Warsaw, Poland
<b>Prof. Dr. Georgios Raptis</b> Informatik/e-Health Ostbayerische Technische Hochschule Regensburg, Deutschland	<b>Prof. Dr. Ondrej Topolcan</b> Department of Immunochemistry University Hospital Pilsen, Pilsen, Czech Republic
<b>Erik Steinfeldner</b> Director General BBMRI-ERIC Graz, Austria	<b>Ing. Kateřina Tomkova</b> NCP CS1, Horizon 2020 Technology Centre of the CAS Praha, Czech Republic
<b>Dr. Olaf Scheel</b> Product Manager Digital Pathology Sysmex, Norderstedt, Germany	<b>Assoc. Prof. Dr. Dalibor Valik</b> Coordinator BBMRI.cz, Masaryk University Brno, Czech Republic
<b>Dr. Timo Schüler</b> CEO, Informeleon LifeScience Technologies Wörstadt, Germany	<b>Franziska Vogl</b> Biobank Graz Graz, Austria

### Podiumsdiskussion am 26.09., 16:00

#### *Wie kann wissenschaftliche Zusammenarbeit die Europäische Integration fördern?*

**Impuls:** Lesung aus: Robert Menasse „die Hauptstadt“  
mit Silke Heise (SchauspielerIn, Theater Regensburg)

#### **Diskussion mit:**

Prof. Dr. Ernst-Ludwig Winnacker  
(Gründungsgeneralsekretär des Europäischen Forschungsrates)

Prof. Dr. Jens Habermann  
(Präsident der „European, Middle Eastern & African Society of Biopreservation and Biobanking“)

Prof. Dr. Udo Hebel  
(Präsident der Universität Regensburg)

Prof. Dr. Dr. André Gessner  
(Forschungsdekan der Medizinischen Fakultät Regensburg)

Prof. em. Dr. Dres h.c. Rainer Arnold  
(Jean Monnet Lehrstuhl für Europarecht)

Prof. Dr. Marcus Hahn  
(Institut für Germanistik, Universität Regensburg)

Prof. Dr. Christoph Brochhausen-Delius  
(Kordinator BROThER, Institut für Pathologie, Universität Regensburg)

In Zusammenarbeit mit: