

**AREVIR-Meeting  
Verbundprojekt HIV-HEP-MASTER  
EuResist**



**When: 04.05.18 – 05.05.18 (9:00 am – 6:30 pm)**  
**Where: Stadthotel am Römerturm, St. Aperi-Str. 32, 50667 Köln**

**Registration is free like every year!**

**[Claudia.Mueller@med.uni-duesseldorf.de](mailto:Claudia.Mueller@med.uni-duesseldorf.de) for registration and accommodation**

The meeting is an activity within the DZIF ([www.dzif.de/](http://www.dzif.de/)), a translational research for infectious diseases. This meeting focusses on therapy optimization for HIV, HBV and HCV. While resistance testing is meanwhile „standard of care“ for HIV, and different projects such as AREVIR, RESINA, RKI Serokonverter-Analyse and the HIV-/HEP-MASTER project contributed already quite a remarkable time for better interpretation systems and analyzed the risk of transmission of resistant HIV in Germany, the DZIF activity within the TTU hepatitis focusses on therapy optimization of HCV. On an European level the results of the mentioned projects are continuously integrated into the EUResist project together with the Karolinska and ARCA data and other European partners ([www.euresist.org](http://www.euresist.org)). Our aim is the prediction of the most likely best working drug combinations. For that reason, geno2pheno ([www.genafor.org](http://www.genafor.org)) was developed. and is also freely available via internet. Nevertheless we need to understand the contribution of each resistance associated mutation and we have to agree on strategies for resistance testing and interpretation. These are the aims of HIV-GRADE ([www.hiv-grade.de](http://www.hiv-grade.de)). New antiretroviral drugs in new classes require equivalent diagnostics. Within HIV-GRADE and geno2pheno such interpretation tools have been developed for HIV therapy optimization and are continuously updated. This includes the prediction of the coreceptor usage (tropism) prior to therapy with coreceptor blockers like maraviroc and resistance to the integrase inhibitors raltegravir, elvitegravir and dolutegravir. A workshop within the European project EucoHIV ([www.eucohiv.org](http://www.eucohiv.org)) for training and discussion on HIV-tropism is part of the meeting.

For HBV the technical expertise from the HIV-projects could be adapted, so that interpretation systems are already available. Geno2pheno and HIV-GRADE predict resistance, (sub-) genotype and escape mutants. New drugs seem to come and need probably new diagnostics which will be discussed on the meeting.

For HCV-therapy a new era has been entered with the availability of direct antiviral agents (DAAs). The DAAs are now established treatment options, they are extremely successful but also very expensive. Patient specific decisions are necessary and HCV therapy optimization within the DZIF-TTU hepatitis has the aim to optimize antiHCV-treatments with respect to the individual needs and with respect to cost effectiveness. geno2pheno[HCV] could be created in a cooperation off different groups including the DZIF sponsored centers Sarbrücken, Hannover, Köln, but also the university clinics Düsseldorf and partners within HIV-GRADE and partners from EURSIST.

A new topic for our meeting although an old challenge in immunocompromised patients is CMV. We will present and discuss the clinical situation, diagnostic tools and their application in therapeutic approaches.

Since 2000 the meeting is an exchange platform for clinicians, bioinformaticians and virologists. Participants have the chance to discuss clinical cases with other experts – the fasta file of the relevant case from HIV, HBV, HCV, CMV and clinical information is needed, while the interpretation systems can be utilized online at the meeting. The suppliers of the commercial systems will also be present. Furthermore, protocols are available at the meeting and will be visible on the internet after the meeting under [www.genafor.org](http://www.genafor.org). The language of the meeting is English.

**Friday, 04.05.2018**

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09:00 - 09:10	<b>Opening Remarks Rolf Kaiser</b>
09:10 – 11:45	<b>EuResist / INTEGRATE /European Mentor School</b> European strategies for supporting scientific projects and therapies
<b>Chair:</b>	Thomas Lengauer
<b>Speakers:</b>	Francesca Incardona, Maurizio Zazzi, Andrea de Luca
11:45 – 12:00	<b>Coffee break</b>
12:00 – 13:00	<b>New Strategies</b>
<b>Chair:</b>	<b>Martin Däumer</b>
<b>Speakers:</b>	Florian Klein, Nico Pfeifer, Alex Thielen
13:00 – 13:45	<b>Lunch</b>
13:45 – 14:30	<b>PrEP: Studies and reality – what strategy?</b>
<b>Chair:</b>	Mark Oette
<b>Speakers:</b>	Stefan Esser, Katja Römer, Erik Tenberken
14:30 – 15:30	<b>Immune control in immunocompromised patients</b>
<b>Chair:</b>	<b>Stefan Esser</b>
<b>Speakers:</b>	Nadine Sichtig, Marek Widera, Veronica Di Cristanziano
15:30 – 15:45	<b>Coffee break</b>
15:45 – 16:45	<b>Workshop sessions part 1 (select one)</b> <ol style="list-style-type: none"><li>1. <u>HIV-resistance / HIV tropism:</u> Stefan Scholten, Elena Knops, Joachim Büch</li><li>2. <u>HCV resistance:</u> Katja Römer, NN, Saleta Sierra-Aragon</li><li>3. <u>CMV diagnostics in immunocompromised patients:</u> Veronica Di Cristanziano, Christoph Scheid</li><li>4. <u>NGS-Workshop:</u> Martin Obermeier, Eva Heger, Matthias Döring</li></ol>
16:45 – 17:45	<b>Workshop sessions part 2 (select one)</b> <ol style="list-style-type: none"><li>1. <u>HIV-resistance / HIV tropism:</u> Stefan Scholten, Elena Knops, Joachim Büch</li><li>2. <u>HCV resistance:</u> Katja Römer, NN, Saleta Sierra-Aragon</li><li>3. <u>CMV diagnostics in immunocompromised patients:</u> Veronica Di Cristanziano, Christoph Scheid</li><li>4. <u>NGS-Workshop:</u> Martin Obermeier, Eva Heger, Matthias Döring</li></ol>
17:45 – 18:00	<b>Summary of the workshops</b> Rolf Kaiser

**Saturday, 05.05.2018**

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09:00 – 10:30

**HIV-1 and 2 diagnostics and therapy - state of ART,  
HIV-GRADE / new therapy guidelines for HIV 1- and HIV-2**

**Chairs:** Patrick Braun, Jens Verheyen

**Speakers:** Dirk Berzow, Josef Eberle, Martin Obermeier, Frank Wiesmann

10:30 – 10:45

**Coffee break**

10:45 – 12:45

**RESINA and RKI / seroconverter study - HIV/HEP MASTER**

**Chair:** Maurizio Zazzi

**Speakers:** Björn Jensen, Andrea Hauser, Barbara Bartmeyer, Norbert Bannert,  
Thomas Lengauer

12:45 – 13:30

**Lunch**

13:30 – 15:00

**Collaborative Trials in HIV- HBV-, HCV-Genotyping and - resistance**

**Chair:** Lutz Gürtler

**Speaker:** Heinz Zeichhardt, Robert Ehret; Peter Grunert

15:00 – 16:15

**HCV Therapy optimization**  
new drugs and difficult to treat patients

**Chairs:** Dieter Häussinger, Tobias Göser

**Speakers:** Florian van Bömmel, Olga Kalinina, Jörg Timm, Dirk Nierhoff

16:15 – 16:30

**Coffee break**

16:30 – 17:45

**Viral load below detection limit – what is next**  
How to perform haematopoietic stem cell transplantation in HIV patients, how to  
monitor and what to learn?

**Chairs:** Thomas Harrer, Elena Knops

**Speakers:** Annemarie Wensing, Björn Jensen, Johanna Eberhard, Elena Knops,  
Thomas Harrer

17:45 – 18:00

**Summary and outline**  
Rolf Kaiser

## The Meeting is kindly supported by:

Abbvie	( €)	Hologic	( €)
Roche	( €)	MSD Sharp & Dohme	( €)
Abbott	( €)	Gilead	(3.000 €)
QIAGEN	( €)	Siemens Healthcare	( €)
Hexal	( €)	ViiV Healthcare	( €)
Cepheid	( €)	Janssen Cilag	(4.000 €)
VELA	(2.500 €)		

The meeting will be certified from the Ärztekammer Nordrhein with credit points.

Organising committee: Thomas Lengauer, Francesca Incardona, Heribert Knechten,  
Patrick Braun, Maurizio Zazzi, Mark Oette, Florian Klein,  
Rolf Kaiser and Claudia Müller

## Stadthotel am Römerturm: Anreise mit dem Auto

**Wenn Sie mit dem Navigationsgerät anreisen, geben Sie bitte folgende Adresse ein:**

**Helenenstraße 11, 50667 Köln**

**Autobahnkreuz Köln-Süd (A4/A555)**, A4 Richtung Aachen, Ausfahrt Köln Klettenberg, Richtung Zentrum auf die Luxemburger Straße, über Barbarossaplatz geradeaus in die Neue Weyerstraße, Ausschilderung WDR, Dom/Hauptbahnhof folgen, links auf die Nord- Süd- Fahrt, diese geht in die Tunisstraße über, dann Ausschilderung Friesenplatz folgen (links abbiegen). Durch die Komödienstraße auf die Zeughausstraße, dann eine Kehrtwendung, um rechts in die Straße Am Römerturm einzubiegen. Geradeaus befindet sich die Einfahrt zum Parkplatz.

**Autobahnkreuz Köln-Ost (A3/A4)**, Richtung Köln Zentrum, Zoobrücke, Zoobrücke, Rhein überqueren, Innere Kanalstr. folgen, Richtung Köln - Süd/Lindenthal den Fernsehturm passieren bis Vogelsanger Straße, links abbiegen in Richtung Zentrum, an der Unterführung links einordnen und den Hinweisen Dom/Rhein/ Neumarkt/Ringe folgend in die Bismarckstraße einbiegen. An der Venloer- Straße rechts abbiegen Hinweis Dom/Rhein, Neumarkt/Ringe in Richtung Hauptbahnhof/Kölner Dom/Magnusstraße folgen, St.-Apern-Straße passieren, hinter dem Römerturm direkt rechts in die Straße Am Römerturm einbiegen. Geradeaus befindet sich die Einfahrt zum Parkplatz.