

# AREVIR-GenaFor-Meeting

## Verbundprojekt HIV-HEP-MASTER

### EuResist

**When:** 04.04. – 05.04.14 (9:00 am – 18:30 pm)

**Where:** Stadthotel am Römerturm, St. Apern-Str. 32, 50667 Köln

**Registration is free like every year!**

**We have a restricted number of free rooms for the night from 04. - 05. April for young investigators. Additional rooms and further accommodations are available for special room rates!**

**Contact:**

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

Resistance testing is meanwhile „standard of care“. Different projects such as AREVIR, RESINA and RKI Serokonverter-Analyse and the new HIV-HEP-MASTER project contribute to better interpretation systems and analyze the risk of transmission of resistant HIV in Germany. On a European level the results of AREVIR and RESINA 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-THEO ([www.genafor.org](http://www.genafor.org)) was developed and integrated into the EUResist prediction tool which 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 and are being 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.

For HCV-therapy a new era has been entered with the availability of direct antiviral agents (DAAs). The protease inhibitors boceprevir and telaprevir are established on the market already and sofosbuvir has reached as the first polymerase inhibitor. Interpretation systems for the prediction of therapy success are needed and geno2pheno<sub>[HCV]</sub> as well as HIV-GRADE are meeting this challenge.

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 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, 04.04.2014**

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09:00- 09:15                   **Opening Remarks Rolf Kaiser**

09:15 – 10:30               **EuResist /Eucohiv**

**Chairs:**                   Francesca Incardona, Stefan Esser

**Speakers:**               Francesca Incardona, Maurizio Zazzi, Eugen Schülter, Dimitri Gonzales, Prabhav Kalaghatgi, Ujjwal Neogi, Rolf Kaiser

10:30 – 11:00               **Coffee break**

11:00 – 12:45               **RESINA and RKI - seroconverter study HIV/HEP MASTER**

**Chairs:**                   Dieter Häussinger, Herbert Pfister

**Speakers:**               Mark Oette, Björn Jensen, Alejandro Pironti, Karolin Meixenberger, Barbara Gunsenheimer-Bartmeyer, Norbert Bannert,

12:45 – 13:30               **New Strategies for studies**

**Chairs:**                   Thomas Lengauer, Mark Oette

**Speaker:**               Markus Löffler

13:30 – 14:30               **Lunch**

14:30 – 15:45               **Workshop sessions part 1 (select one)**

1. HIV-resistance: Stefan Scholten, Alejandro Pironti, Hauke Walter
2. HIV tropism: Björn Jensen, Martin Obermeier, Nico Pfeifer
3. HCV resistance: Nazifa Qurishi, Bastian Beggel, Saleta Sierra Aragon

15:45 – 16:30               **Coffee break**

16:30 – 17:30               **Workshop sessions part 2 (select one)**

1. HIV-resistance: Stefan Scholten, Alejandro Pironti, Hauke Walter
2. HIV tropism: Björn Jensen, Martin Obermeier, Nico Pfeifer
3. HCV resistance: Nazifa Qurishi, Bastian Beggel, Saleta Sierra Aragon

17:30 – 18:00               **Summary of the workshops**

Rolf Kaiser

**Saturday, 05.04.2014**

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09:00 – 10:15

**State of ART in HBV - HOPE**

**Chairs:** Wolfram Gerlich, Dieter Glebe

**Speakers:** Dieter Glebe, Ke Zhang, Jens Verheyen, Bastian Beggel, Florian van Bömmel, Benjamin Massoumy

10:15 – 10:30

**Coffee break**

10:30 – 11:30

**DZIF: HCV – PEPSI**

**Chairs:** Tobias Goeser, Saleta Sierra Aragon

**Speakers:** Daniel Rupp, Anna Marie Sikorski, Verena Keitel, Benjamin Massoumy

11:30 – 12:30

**HIV Immology  
From Basic Science to Diagnostic Application?**

**Chairs:** Hauke Walter, Eva Heger

**Speakers:** Thomas Harrer, Finja Schweitzer, Nico Pfeifer

12:30 – 13:15

**Lunch**

13:15 – 14:15

**HIV-1 diagnostics and therapy - state of ART,  
HIV-GRADE / CHAIN activities**

**Chairs:** Gerd Fätkenheuer, Lutz Gürtler

**Speakers:** Martin Stürmer, Martin Obermeier, Hauke Walter, Patrick Braun

14:15 – 15:15

**HIV-transmission / Infection chains**

**Chairs:** Rolf Kaiser, Martin Hower

**Speakers:** Glenn Lawyer, Mark Oette, Nadine Lübke, Eugen Schülter, Stephan Klatt, Staatsanwaltschaft Köln

15:15 – 17:00

**Geno2pheno – update**

**Chairs:** Thomas Lengauer, Thomas Klimkait

**Speakers:** Alejandro Pironti, Nico Pfeifer, Thomas Klimkait, Tomas Bastys

17:00 – 17:15

**Coffee break**

17:15 – 18:00

**Cellular and viral factors for HIV**

**Chair:** Thomas Harrer

**Speakers:** Carsten Münk, Eva Heger, Claudia Alteri

The Meeting is kindly supported by:

**ViiV Healthcare** (2.500,00 €)

**Janssen-Cilag GmbH** (750,00 €)

**Siemens** (2.000,00 €)

**Abbott** (1.500,00 €)

**Bristol-Myers Squibb** (2.000,00 €)

**MSD Sharp & Dohme** (1.000,00 €)

**Roche** (500,00 €)

**Gilead** (1.500,00 €)

**IAGEN** (1.800,00 €)

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

The Meeting is organised by genafor e.V.

Organising committee: Björn Jensen, Thomas Lengauer, Francesca Incardona,  
Maurizio Zazzi, Mark Oette, 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.