

**AREVIR-GenaFor-Meeting**  
**Verbundprojekt Monitoring von resistenten HIV bei frisch infizierten und**  
**chronisch infizierten HIV-Patienten in Deutschland**  
**EuResist**

**When: 22.04. - 23. 04. 2010 (9:00 – 18:30)**

**Where: Stiftung caesar, Ludwig Erhard Allee 2, 53175 Bonn**

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Resistance testing is meanwhile „standard of care“ Different projects such as AREVIR, the „Verbundprojekt Monitoring von resistenten HIV mit RESINA und der RKI Serokonverter-Analyse“ 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 integrated into the EUResist project together with the Karolinska and ARCA data and recently 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 meanwhile 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 drugs in new classes require equivalent diagnostics. Within HIV-GRADE and geno2pheno such new interpretation tools have been developed. This includes the prediction of the co receptor usage prior to therapy with co receptor blockers like maraviroc and resistance to integrase inhibitors like raltegravir.

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. In the near future we will have to deal with resistance to anti-HCV drugs and need appropriate tools for interpretation too.

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 or HBV 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.

**Thursday, 22. 04. 2010**

**09:00 – 13:30 Hepatitis B, C**

HBV, HCV drugs

HBV: Resistance testing, Determination of Genotype Escape-Variants

HCV: Resistance testing

**14:30 – 18:30**

**Keynote: Andrea De Luca: Is resistance disappearing?**

**Tools and gene regions of interest**

HIV-2tools and interpretation ((update)

“Other” regions of HIV

Update of Tools for Resistance testing (HIV-GRADE, geno2pheno)

HIV-Integrase

host factors

**Friday 23.04.2010**

**09:00 – 13:30 Databases and projects**

EUResist

The EUResist database and interpretation system

new partners

Data from the RESINA cohort

RKI-seroconverter study

**14:30 – 18:30 Co receptor**

Current techniques and protocols

Experiences from European countries

Guidelines

„The Berlin patient“ (Bone Marrow transplant of delta32CCR5)

The Meeting is kindly supported by:

**ViiV, Abbott, Roche, Boehringer Ingelheim, Tibotec, VIRCO,  
Bristol-Myers Squibb, Gilead, Siemens, MSD Sharp & Dohme, Essex**

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The Meeting is organised by genafor e.V.

Organising committee: Daniel Hoffmann, Thomas Lengauer, Susanna Trapp, Claudia Müller, Francesca Incardona, Maurizio Zazzi, Anders Sonnerborg, Stefan Reuter, Eugen Schülter, Jens Verheyen, Mark Oette and Rolf Kaiser

