

**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 am – 18:30 pm)**

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

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, 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- 09:15                    **Opening Comments Jürgen Reifarth / Stiftung caesar**
- 09:15- 11:30                    **Hepatitis B**
- Chairs:**                        Maria Neumann-Fraune/ Stefan Reuter
- HBV: Clinical aspects**  
**HBV: Resistance testing, Determination of Genotype Escape-Variants**  
**HBV: RESINA occult infection in HIV+**
- Speakers:**                    Frank Wilhelm, Andreas Erhardt, Behrend Zacher, Bastian Beggel, Ke Zhang, Corinna Bremer
- 11:30 – 11:45                    **Coffee break**
- 11:45 – 13:30                    **Hepatitis C**
- Chairs:**                        Ulrich Spengler / Ulrike Protzer
- HCV: Basics**  
**HCV: new drugs**  
**HCV: Resistance testing**  
**HCV: Clinical aspects**
- Speakers:**                    Ralf Bartenschlager, Wulf Böcher, Joke Snoeck, Michael Biermer, Christoph Welsch
- 13:30 – 14:30                    **Lunch**
- 14:30 – 16:45                    **HIV**
- Chairs:**                        Lutz Gürtler / Martin Däumer
- Is resistance disappearing?**  
**Update of Tools for Resistance testing (HIV-Grade, geno2pheno)**  
**Resensitizing**  
**Minorities and low viraemia**
- Speakers:**                    Andrea De Luca, Hauke Walter, Alejandro Pironti, Martin Obermeier, Melanie Balduin, Martin Däumer, Dominic Heider, Oliver Kuhn
- 16:45 – 17:00                    **Coffee break**
- 17:00 – 18:30                    **HIV**
- Chairs:**                        Susanna Trapp / Thomas Harrer
- “Other” regions of HIV**  
**Host factors**  
**HIV-2 tools and interpretation (update)**
- Speakers:**                    Francoise Brun-Vezinet, Jens Verheyen, HIV-Grade, Thomas Harrer, Finja Schweitzer, Lutz Gürtler, Martin Stürmer, Evrim Anadol

**Friday, 23.04.2010**

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9:00 – 9:15

**Patient view**

**Speaker:**

Hans Thomas Sedlmayer

9:15 – 11:30

**EuResist** (supported by Pfizer and Abbott)

**Chairs:**

Francesca Incardona, Thomas Lengauer

**EuResist present and future:  
The EuResist database and interpretation system  
HIV resistance, treatment perspectives and data collection in  
Greece, Russia, Ethiopia, India, Tanzania, South Africa**

**Speakers:**

Maurizio Zazzi, , Dimitrios Paraskevis, Marina Bobkova, Daniel Fekade, N. Kumarasamy, Tumaini Nagu, Ziad El-Khatib, Daniel Struck

11:30 – 11:45

**Coffee break**

11:45 – 13:30

**Databases and projects**

**Chairs:**

Maurizio Zazzi, Eugen Schülter

**Data from the RESINA cohort  
RKI-CLINSERV  
RKI-seroconverter study  
Rega DB, Kompetenznetz, SnoB  
Smartgene**

**Speakers:**

Mark Oette, Barbara Bartmeyer, Claudia Kücherer, Gertjan Beheydt, Klaus Jansen, Stefan Esser, Stefan Emler

13:30 – 14:30

**Lunch**

14:30 – 16:30

**Coreceptor**

**Chairs:**

Carlo Perno, Herbert Pfister

**„The Berlin patient“ (Bone Marrow transplant of delta 32CCR5)  
Current techniques and protocols  
Experiences from European countries**

**Speakers:**

Gero Hütter, Alexander Thielen, Saleta Sierra-Aragón, Martin Däumer, Valentina Svicher, Chris Verhofstede, Martin Obermeier, Thomas Klimkeit, Nico Dybowski, Malcolm MacArtney

16:30 – 17:00

**Coffee break**

17:00 - 18:00

**Resistance/Coreceptor - Guidelines**

**Chairs:**

Patrick Braun, Alexander Thielen

**European Guidelines, German Guidelines**

**Speakers:**

Annemarie Wensing, Hauke Walter, Hans-Jürgen Stellbrink

18:00

**Summary**

Rolf Kaiser

The Meeting is kindly supported by:

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

The meeting is certified from the Ärztekammer Nordrhein.

The Meeting is organised by genafor e.V.

Organising committee:

Daniel Hoffmann, Thomas Lengauer, Susanna Trapp, Francesca Incardona, Maurizio Zazzi, Anders Sonnerborg, Stefan Reuter, Jens Verheyen, Melanie Balduin, Mark Oette, Rolf Kaiser and Claudia Müller

