**Tentative Programme**

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<th>Time</th>
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| 10:00 | Welcome Address of the President of the Paul-Ehrlich-Institut  
Johannes Löwer, Paul-Ehrlich-Institut (PEI) |
| 10:15 | Welcome Address of the German Minister of Health  
Ulla Schmidt, Federal Ministry of Health (BMG) |
| 10:30 | Research at federal research institutes of the Ministry of Health: needs and wishes (beyond 2009)  
Johannes Löwer, Paul-Ehrlich-Institut (PEI) |
| 11:00 | Phosphoinositol 3-kinase: viral onco-protein and drug target  
Peter K. Vogt, The Scripps Research Institute (TSRI) |
| 11:30 | Lunch |
| 13:00 | Virulence and resistance factors of pathogenic bacteria  
Jörg Hacker, Robert Koch-Institute (RKI) |
| 13:40 | New vaccines – challenges in research, development and licensing  
Gerd Sutter, Paul-Ehrlich-Institut (PEI) |
| 14:00 | Cancer prevention by vaccination  
Lutz Gissmann, German Cancer Research Center (DKFZ) |
| 14:40 | The magic bullets: cells and vectors as medicines  
Klaus Cichutek, Paul-Ehrlich-Institut (PEI) |
| 15:00 | Coffee |
| 15:30 | Factors determining lymphocyte homeostasis in lymph nodes  
Reinhold Förster, Hannover Medical School (MHH) |
| 16:10 | Interferons at the interface between innate and adaptive immunity  
Ulrich Kalinke, TWINCORE (TC) |
| 16:30 | Emerging virus infections in a changing world  
Albert D.M.E. Osterhaus, Erasmus Medical Center (EMC) |
| 17:15 | Perspectives of federal research institutes  
Manfred Hennecke, Federal Institute for Materials Research and Testing (BAM) |
| 18:00 | Snacks |
Welcome Address

Paul Ehrlich’s impact on today’s sciences
On 10.12.1908, Paul Ehrlich and Ilya Ilyich Mechnikov were awarded the Nobel Prize in Physiology or Medicine for their work on the theory of immunity. The following day Paul Ehrlich gave his highly regarded Nobel lecture on both, applied scientific issues such as the validation and standardization of therapeutic sera, and basic scientific issues such as the theory of antibody formation, which resulted in the formulation of the famous side-chain theory of immunity. Thus, Paul Ehrlich is not only the founder of modern Immunology, but he was also amongst the pioneering scientists, who managed to work at the interface between applied and basic sciences; a field that nowadays is often referred to as translational research and that is often regarded as one of the most important fields of contemporary research efforts.

Research at the Paul-Ehrlich-Institut of today
As the direct descendant of Paul Ehrlich’s institute in Steglitz near Berlin, the “Institute for Serum Research and Serum Testing”, the present Paul-Ehrlich-Institut in Langen still works in the fields of applied and basic sciences. Besides a variety of many other responsibilities, the Paul-Ehrlich-Institut cooperates with the European Medicines Agency (EMEA) to assess applications for marketing authorization of new biological medicines in Europe. Moreover, it is responsible for the approval of clinical trial applications in Germany and, in parallel, it develops new test methods to ensure safety and quality of biological medicines. An essential basis of its competence in regulatory issues is the basic and applied research that is performed at the Paul-Ehrlich-Institut at an internationally competitive level within the fields of its specific responsibilities.

PEI as an integral part within the German research landscape
The Paul-Ehrlich-Institut is funded by the Ministry of Health and is a member of the Working Group of the Federal Research Institutes (Arbeitsgemeinschaft der Ressortforschungseinrichtungen). Besides universities, institutes of the Max-Planck-, Helmholtz-, Fraunhofer- and Leibniz Association, federal research institutions, such as the Paul-Ehrlich-Institut, are integral parts of the German research landscape. The latter ones work particularly at the interface of basic and applied sciences and provide the basis for evidence-based public policies.

Scope of the symposium
This symposium aims at the presentation of recent research progress being made right at the interface between basic and applied life sciences. On behalf of the Organizing Committee we would like to welcome you at the symposium on December 11th, 2008 starting at 10 am. Following the presentations snacks will be served. The event will most probably end around 8 pm.