



Workshop on Physical Virology

(24 - 28 September 2012)

Miramare - Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) is organizing a **Workshop on Physical Virology** to be held at the ICTP from **24 - 28 September 2012**.

DESCRIPTION:

By comparison to bacteria and eukaryotic cells, viruses are minimalistic organisms that achieve a high efficiency of their replication cycle by harnessing various passive and active physical mechanisms.

The Workshop aims at gathering researchers from different disciplines to report on recent theoretical and experimental advancements on the elucidation of these physical mechanisms, particularly those with a molecular basis.

The main focus areas will be:

1. **self-assembly and maturation of viral capsids;**
2. **packaging and ejection of the viral genome from the capsid;**
3. **interactions between the viral DNA/RNA and capsid coat proteins;**
4. **virus based nano-composites;**
5. **genomics-based modelling of epidemic outbreaks.**

PARTICIPATION: Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend. As the Workshop will be conducted in English, participants should have an adequate working knowledge of this language. Although, the main purpose of the Centre is to help research workers from developing countries, through a programme of training activities within a framework of international cooperation, a limited number of students and post-doctoral scientists from developed countries are also welcome to attend.

As a rule, travel and subsistence expenses of the participants should be borne by their home institution. Every effort should be made by candidates to secure support for their fare. However, very limited funds are available for partial support of some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the entire Workshop. **There is no registration fee for attending this activity.**

HOW TO APPLY FOR PARTICIPATION

An Online Application Form can be accessed through the Workshop website
<http://agenda.ictp.it/smr.php?2367>

Once in the website, comprehensive instructions will guide you step-by-step on how to fill out and submit the Application Form.

Deadline for Application:
1 JUNE 2012

WORKSHOP SECRETARY - Ms Doreen M. Sauleek

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LOCAL ORGANIZER:

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INVITED SPEAKERS INCLUDE:

Martin CASTELNOVO (Lyon, France)

Bogdan DRAGNEA (Bloomington, USA)

Ralf EVERAERS (Lyon, France)

Alex EVILEVICH (Pittsburgh, USA)

Silvio FRANZ (Orsay, France)

Marta DE FRUTOS (Orsay, France)

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Michael LASSIG (Cologne, Germany)

Amélie LEFORESTIER (Orsay, France)

Peter LEIMAN (Lausanne, Switzerland)

Per LINSE (Lund, Sweden)

Davide MARENDUZZO (Edinburgh, Scotland)

Murugappan MUTHUKUMAR (Amherst, USA)

Toan NGUYEN (Providence, USA)

Henri ORLAND (Gif-sur-Yvette, France)

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