



First Announcement

The Scientific Advisory Committee of the International Science & Technology Center (ISTC SAC)

in cooperation with

The International Science & Technology Center (ISTC)

is organizing the 11th SAC Seminar

NEW TRENDS IN CHEMICAL TOXICOLOGY

22 – 25 September 2008

Moscow, Russian Federation

I S T C



М Н Т Ц

21 January 2008

Dear Colleague,

The Scientific Advisory Committee (SAC) and the International Science & Technology Center (ISTC) would like to invite you to participate in the 11th SAC seminar on "New Trends in Chemical Toxicology", Moscow, Russian Federation, 22 – 25 September 2008 (tentative dates).

Each SAC seminar is focused on a specific Science and Technology (S&T) area, with the objective to:

- Assess the overall-status of research performed by Russian Federation (RF) and Commonwealth of Independent States (CIS) institutes in the selected S&T area, as well as the work done in this area by the international research community.
- Stimulate cooperation and collaboration between RF, CIS and the international research communities, by inviting lead-scientists from around the world to SAC seminars.

Theme of the Seminar:

Putative risks of environmental pollutants and food contaminants constitute a major concern for public health worldwide. Epidemiological studies suggest that numerous diseases may be associated with a variety of physical and chemical agents such as ionizing and non-ionizing radiations, airborne particles from industry and transport, dioxins, PCB, pesticides, endocrine disruptors, heavy metals and many other pollutants.

While some of these pollutants are short lived in nature and in humans and animals, others are persistent for years and possibly dozens of years. This may impact human and animal health for years to come. Clearly a better understanding of the mechanisms of action of these pollutants will help deal with this public health issue. Toxicology and environmental medicine are necessary to give causal evidence and to evaluate the hazards elicited by these pollutants. In addition, new methods for the rapid and reliable detection of pollutants are needed.

The aim of this conference is to investigate the molecular mechanisms of action of environmental factors. Health issues include cancers, allergies, auto immune and degenerative diseases, aging, effects on fertility and reproduction, effects on nervous system. Particular focus will be given for persistent pollutants and novel threats such as nano-materials. Scientists that are well recognized for their expertise and excellent work will discuss up-to-date research on these issues.

Main topics to be discussed during the 11th SAC Seminar are:

- Mechanisms of action of persistent organic pollutants (dioxins, pesticides, PCBs)
- Application of OMICS methodology in Toxicology: examples of metabolomics, genomics and proteomics
- Novel biological models for toxicology research (animal and cellular)
- Analytical methods for detection of toxic chemicals
- Toxicity of nano-materials

We hope that these topics are of interest to you and that we will meet you at the 11th SAC Seminar, 22 – 25 September 2008, Moscow, Russian Federation.

Sincerely yours,

Prof. André Syrota
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INSERM
Paris, France

Dr. Robert Barouki
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Pharmacologie Toxicologie et
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Prof. Waclaw Gudoski
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Further information on the 11th SAC Seminar

Technical Program:

The first three days (22 – 24 September 2008) of the 11th SAC Seminar will serve as a forum for presentations and discussions of modern scientific and technical ideas, plans, and or proposals. The fourth day (25 September 2008) will be dedicated to visiting one or two research institutes in or near Moscow.

Oral Sessions will include selected presentations and **Invited Lecturers**.

Poster Sessions will be organized as part of the coffee breaks.

Abstracts of all accepted papers (oral and poster) will be published at the beginning of the Seminar and provided to the participants during registration. It is planned that the Seminar proceedings will be published after the event. (Abstracts should not exceed 100 lines.)

Language: The official languages of the Seminar will be **English** and **Russian**. Simultaneous translation service will be provided at all sessions.

Important dates:

Abstracts and Paper submission

Authors should specify if they wish either to make an oral presentation or to participate in the poster session. Abstracts should not exceed 100 lines.

Deadline 1 for abstracts submission:

May 15th, 2008

Registration and abstract submission will be possible through a dedicated website. (Currently under construction)

Deadline 2 for Presentation submission:

July 31st, 2008

Presentations should be submitted in Microsoft PowerPoint format by e-mail to the Seminar organizers.

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The International Science and Technology Center

The International Science and Technology Center (ISTC) was established by international agreement in November 1992 as a nonproliferation program.

The ISTC coordinates the efforts of numerous governments, international organizations, and private sector industries, providing weapons scientists from Russia and the Commonwealth of Independent States new opportunities in international partnership. Through its political, legal, and financial frameworks, the ISTC contributes to Fundamental Research, International Programs and Innovation and Commercialization, by linking the demands of international markets with the exceptional pool of scientific talent available in Russian and CIS institutes.

Current Parties to the ISTC agreement

Governing Parties

- Canada
- European Union
- Georgia
- Japan
- Russian Federation
- United States of America

CIS Parties

- Armenia
- Belarus
- Kazakhstan
- Kyrgyz Republic
- Tajikistan

Other Parties

- Norway
- South-Korea

The ISTC framework program is Science Projects, supporting thousands of Russian and CIS scientists in peaceful research including the resources of hundreds of collaborators and Partners. Through 2006, the ISTC has funded over **67,684 scientists** and their team members in **922 research institutes**.

For more information please visit our website: **www.istc.ru**

The Science Advisory Committee of the International Science and Technology Center

The Scientific Advisory Committee provides expert scientific evaluation of project proposals, determines new directions for project activity, and evaluates ongoing projects. The SAC meets three times a year to review the proposals based on the scientific and technical merits of each proposal. The SAC makes recommendations and then forwards its review to the Governing Board, which considers the SAC's recommendations and decides if the proposed project deserves funding. The SAC organizes scientific seminars on a broad range of subjects of current interest to the science and technology community. The objective of these seminars is promoting exchange of S&T information for stimulating new ISTC projects, fostering contacts between Russian and other CIS scientists and their colleagues from other ISTC Parties with the aim of developing new collaborations.

Members to the SAC committee:

Prof. Yasushi Seki, (Chairman), Japan Atomic Energy Agency (JP)

Prof. Yutaka Murakami, (Co-Chairman), Geological Survey of Japan (JP)

Dr. Konstantin Volchek, Environment Canada (CAN)

Prof. Jean-Pierre Contzen, Ministry for Science, Technology and Higher Education, Portugal, (EU)

Prof. Andre Syrota, INSERM, France, (EU)

Acad. Yevgeny N. Avrorin, VNIITF (RU)

Acad. Yuri A. Trutnev, VNIIEF (RU)

Dr. Nikolai Kodochigov, OKBM (RU)

Dr. Steven Joel Gitomer, Los Alamos NL (US)

Dr. Upendra Singh Rohatgi, BNL (US)