Immune-Deficient Animals in Experimental Medicine

6th International Workshop on Immune-Deficient Animals, Beijing, July 3-6, 1988

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Preface

The 6th International Workshop on Immune-Deficient Animals (6th IWIDA) was held July 3-6, 1988, at Kunlun Hotel in Beijing, China. Under the auspices of the International Council for Laboratory Animal Science (ICLAS), the Workshop, known previously as ‘Nude Mice Workshop’ and founded by Jørgen Rygaard in 1973, has steadily pursued the essential goal of serving as a forum for reports on immune-deficient animal research and on its use in various fields of biology and medicine. The impetus provided by the IWIDA to the growth of both fields within the short time span of 15 years has been remarkable. The 6th IWIDA is a continuation of the endeavors to discuss the most challenging problems, and even solve some of them, in pathology, immunology, genetics, microbiology, experimental oncology and cancer therapy. It should be pointed
out that molecular approaches to a better understanding of immunologic
dysfunction in experimental animals and to tumor biology have been
included in the workshop and are reflected in this volume.
The organizers of the 6th IWIDA would like the proceedings to serve
as a stimulus not only for the further development of biomedicine, but also
for intellectual curiosity. May the future of the field be even brighter.

Bing-quan Wu

Opening Remarks

It is a great pleasure to attend the Sixth International Workshop on
Immune-Deficient Animals which is being held in China for the first time.
First, I want to thank Prof. Bing-quan Wu and the members of the local
organizing committee on behalf of the International Council for Laboratory
Animal Science (ICLAS) for their devoted efforts in planning and
holding this workshop.
Since many of you are probably attending the workshop for the first
time, I would like to briefly outline its history.
The first workshop, known as the First International Workshop on
Nude Mice, was organized 15 years ago by Drs. Rygaard and Povlsen in
Aarhus, Denmark, under the auspices of ICLAS which realized that the
emergence of this ‘miracle animal’ would have a profound impact on
immunological and oncological research.
The second workshop was organized by me in Tokyo in 1976. At that
time, the topics discussed had grown to cover all aspects of infection,
immunology and oncology since nude mice had become widely used in
biomedical research, thanks to successful large-scale production and
supply.
The third workshop in Bozeman, Montana, USA, was organized by
Dr. Reed in 1979 under the same theme as the second workshop, the
potential and limitations of nude mice. New athymic mutants had appeared
among rats and guinea pigs. Systematic studies on cancer chemotherapy
using nude mice had begun.
In 1982, the fourth workshop, under the new name of The International
Workshop on Immune-Deficient Animals, was held in Lausanne,
Switzerland, with Dr. Sordat as the organizer. The new severe combined

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immune deficiency (scid) mutants were introduced, and natural resistance
became one of the main topics.
The fifth workshop was organized again by Dr. Rygaard in Copenhagen, Denmark, following the sudden death of Dr. Fogh in the United States.

In the past 15 years, many scientists have made invaluable contributions to the development of these new animal models for biomedical research. Among them, we very much miss Dr. Povlsen who organized the First Nude Mice Workshop together with Dr. Rygaard and succeeded in the first transplantation of human tumors in nude mice and who passed away in 1987. Dr. Kindred, the first researcher who inbred nude mice, and Dr. Fogh, a pioneer in the culture of human tumor cells, are both gone. We shall never forget them.

In this Sixth Workshop on Immune-Deficient Animals, we expect further developments in these animal models at both the cellular and molecular levels.

On behalf of ICLAS, I want to welcome everyone to this workshop. The information exchanged here and the personal contacts made should make this meeting a very productive one.

Tatsuji Nomura, MD
National Member
International Council for Laboratory Animal Science

6th International Workshop on Immune-Deficient Animals

Beijing, July 3-6, 1988

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