

DIVISION OF CHEMISTRY AND HUMAN HEALTH (VII)
SUBCOMMITTEE ON TOXICOLOGY AND RISK ASSESSMENT
(SubComTox/IUPAC)

Meeting 1
Universitaire Fondation, Brussels
April 25, 2003

Attending: John Duffus (Chair and Secretary), Monica Nordberg, Doug Templeton
Apology: Rita Cornelis

1. Membership

John welcomed the core group to this meeting to launch the Subcommittee. Membership was discussed with a view to expanding the Subcommittee as soon as possible to represent a broad range of the interests that are relevant to toxicology and risk assessment. It was agreed that all those actively involved in IUPAC projects concerned with aspects of toxicology and risk assessment should be invited to be members. Others will be invited by the core group with a view to initiating relevant projects or because of their ability to contribute to such projects or other IUPAC activities. A few names were mentioned and JD will approach those persons and invite them to become members of the Subcommittee.

As the Subcommittee has no IUPAC funding for travel expenses, it is envisaged that there may be members who contribute only by email and others, the core group, which will meet twice yearly if possible, probably in conjunction with meetings of project groups or at major scientific conferences.

2. Terms of reference

It was agreed that the terms of reference of the Subcommittee (Annex1) should be extended to include the following which are already the basis of current or suggested projects.

- (x) To develop educational tools for toxicology that would be of use to the chemical community in its broadest sense from schoolchildren to researchers.
- (xi) To develop and maintain a comprehensive and authoritative glossary of terms and concepts in toxicology, revising the content as required to reflect current usage and the development of scientific understanding.

Note: It is hoped that the educational tools and the glossary would be on the IUPAC website with links to background information and a facility for input to the Subcommittee via the IUPAC Secretariat.

The modified Terms of Reference are given in Annex 1.

3. Projects

The project to develop a Glossary of Terms in Toxicokinetics is nearing completion and the manuscript will be submitted to the Secretariat shortly. Once the Glossary has passed

through the complete process of review, it can provide the foundation for a Dictionary of Concepts in Toxicokinetics. This new product will take selected basic definitions from the Glossary which incorporate complex ideas and explain these ideas at greater length. It would be a valuable supplement to the Toxicology Modules already on the IUPAC website.

The project on Immunochemistry of Metal Sensitisation is well advanced. Two manuscripts have been submitted to the IUPAC Secretariat and are currently under review.

The C-NPU project is almost completed and will be submitted after a further round of consideration by the Working Party.

The proposal for preparation of a second edition of the textbook, "Fundamental Toxicology for Chemists" has been revised but is still under consideration by the Project Committee.

It is intended to submit a project proposal for a revision of the 1993 Glossary of Terms in Toxicology - to include new terms, to incorporate the terms in the Glossary of Toxicokinetics, and to add terms in ecotoxicology.

4. Possible collaboration with U.S. National Institutes of Health (NIH)

John Duffus has been approached by Philip Wexler of the U.S. NIH about the revision of the 1993 Glossary with a view to continuing its use in conjunction with the TOXNET website. This revision can be made as a normal IUPAC project but it should be an ongoing activity since science and scientific terminology are changing all the time. Unfortunately, IUPAC has no mechanism for regular revision of its terminology. Hence, the Subcommittee agreed that this should be one of the Subcommittee's continuing responsibilities and it has been incorporated in its terms of reference.

5. Next meeting of the subcommittee

The next meeting has been provisionally set to take place in Ottawa on Friday, August 8, 2003 during the IUPAC General Assembly.

**DIVISION OF CHEMISTRY AND HUMAN HEALTH (VII)
SUBCOMMITTEE ON TOXICOLOGY**

Composition and Terms of Office:

- (i) Open to those members of Division VII and other chemists (who may be co-opted) who are interested in toxicology and risk assessment.
- (ii) Activities for 2002-2003 to be chaired by J. H. Duffus or D. M. Templeton who will also invite the attendees.

Terms of Reference:

- (i) To coordinate projects that have been approved by the Division VII Committee and which relate to toxicology and risk assessment.
- (ii) To provide a forum for discussing the information content and progress of projects identified under (i) above.
- (iii) To provide a forum for initiating new project submissions in the subject area of toxicology that are considered to be suitable activities for Division VII.
- (iv) To provide the opportunity for coordination in both experimental and computational approaches to toxicology and risk assessment methods
- (v) To report to the Division VII President and the Division Committee on items (i) to (iii) above.
- (vi) To provide a connection with other organizations concerned with toxicology and risk assessment such as the International Union of Toxicology (IUTOX), the International Programme for Chemical Safety (IPCS), the World Health Organization (WHO), the Organization for Economic Co-operation and Development (OECD), the International Labour Organization (ILO), the International Union of Biochemistry and Molecular Biology (IUBMB), the International Union of Immunological Societies (IUIS), the International Union of Pharmacology (IUPHAR), the International Federation of Clinical Chemistry (IFCC), the International Commission on Occupational Health, Scientific Committee on the Toxicology of Metals (SCTM/ICOH), other national and international toxicology and clinical chemistry societies, and chemical industry health and safety groups.
- (vii) To provide an opportunity for IUPAC interaction with chemists in the Chemical Industry worldwide in the field of toxicology and risk assessment.
- (viii) To broaden the activities of the Division by providing opportunities for other organizations involved in toxicology to work together with Division VII members.
- (ix) To offer advice to the Division President and the Committee on matters concerning toxicology in all its aspects from the purely chemical to the protection of human health and the natural environment.
- (x) To develop educational tools for toxicology that would be of use to the chemical community in its broadest sense from schoolchildren to researchers.
- (xi) To develop and maintain a comprehensive and authoritative glossary of terms and concepts in toxicology, revising the content as required to reflect current usage and the development of scientific understanding.

Meetings:

Meetings will normally be held biannually.