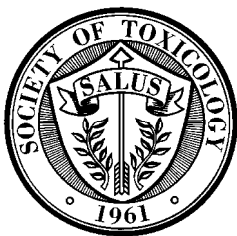


Immunotoxicology Specialty Section Newsletter



2007 - 2008 Executive Committee

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The Immunotoxicology Specialty Section Newsletter is published 3 times/year (May, August and November). If you would like to share a book review, meeting report, interesting web site or any other item of interest with members of the Specialty Section, please send it to us by the middle of the month preceding the planned publication date. All comments on, or suggestions for, the newsletter are welcome.

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President's Message

Steve Pruet

As we begin to think ahead to the annual meeting in Seattle, please remember it is not too early to nominate papers for paper of the year, to nominate distinguished immunotoxicologists for the Vos Award, or to nominate colleagues 10 years or less beyond their Ph.D. for the Young Investigator Award. I would also encourage you to ask your students to submit their abstracts for competition for a presentation award. In some categories, we have had surprisingly few nominations in recent years. I am certain there are many who are qualified for these awards, so please consider nominating a worthy candidate. Specific award announcements and instructions for nominations can be found in this newsletter and on the Specialty section web page at www.toxicology.org.

Speaking of our web page, you may notice some changes when you go there. Previously, we had abbreviated the Immunotoxicology Specialty Section as ISS. However, it was pointed out that the Inhalation Specialty Section was also using this abbreviation. Therefore, the Executive Committee voted to change our abbreviation to ImToxSS, and this is now used on the web site.

There is finally some encouraging news to report on NIH Study Section structure as it relates to the review of grant applications in immunotoxicology and other toxicology subdisciplines. The Center for Scientific Review (CSR) is sponsoring a series of workshops to discuss the future directions of science and how study sections should address these changes and how well current study sections are functioning to evaluate various research topics. I was invited to serve as an SOT representative for the workshop that will cover the Immunological sciences study sections. I have already submitted my response to the two issues to be addressed, and there will be opportunities to discuss these matters at the workshop. A key point that will be presented is that sufficient results are now available to confirm that immunotoxicology grants are not receiving appropriate review. Since 2005, 16% of NIEHS grant applications were scored at the 20th percentile or better (lower percentiles are better) across all CSR study sections. However, during that same time only 7% of NIEHS grants (immunotoxicology grants) scored this well in the three immunological sciences study sections. Of 42 NIEHS applications reviewed by the immunological sciences study sections since 2005, only three received a score of 20th percentile or better. It is not certain that these were funded, because the funding line is now considerably lower than 20th percentile. However, only three had a chance for funding. I am hopeful that this message will be heard at this forum and that something will finally be done to remedy this situation. I will keep you posted.

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Program Committee Report



Submitted by Jean Regal

Urgently Needed!! – Program Proposals for SOT Baltimore 2009

Deadline for proposal submission: November 30, 2007. Submit to jregal@d.umn.edu. Program Committee members are happy to help.

Useful information

Past Immunotoxicology programs are now listed on our website <http://www.toxicology.org/ISOT/SS/immunotox/AM.html>

Sample proposals and guidelines for proposing Continuing Education Courses, Symposia, Workshop, and Roundtables Information are available on the SOT website under

Forms and Applications – On Line Proposals for Annual Meeting Sessions (<http://www.toxicology.org/ai/fa/formsapps.asp>)

Symposia

Cutting-edge science, new areas for toxicologists, new concepts or approaches, new data

- ◆ 165 minutes or less
- ◆ Chairperson and 3-4 speakers (~30-35 minutes per speaker)
- ◆ Summary of symposium by last speaker

Workshop

Emphasis on quality presentation of generally accepted, state-of-the-art knowledge in toxicology

- ◆ 165 minutes or less
- ◆ Chairperson and 1-5 speakers
- ◆ Informal, interactive presentations
- ◆ Emphasis on discussion

Roundtable

Controversial subject matter

- ◆ 80 minutes or less
- ◆ Chairperson(s) and 2-4 speakers
- ◆ Each speaker makes a 5-10 minute statement (Moderator coordinates the comment)
- ◆ Comments coordinated by chairperson
- ◆ Balance of time for questions and discussion

Continuing Education Courses

- ◆ Emphasis on quality presentation of generally accepted, state-of-the-art knowledge in toxicology
- ◆ CE Courses:
 - ◆ 240 minutes or less
 - ◆ Chairperson(s) and 3-4 speakers (syllabus and slide presentation)
- ◆ Sunrise Mini-Course
 - ◆ 60 minutes
 - ◆ 1 speaker (syllabus and slide presentation)

2007-2008 Program Committee

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Student and Post-doctoral Report



Submitted by Stacey Anderson, Post-doctoral Representative, and Sheung Ng, Student Representative

Greetings fellow students and post-docs!

Not too much has changed since the last newsletter so I just want to remind/update you on a few things. Please continue to watch for information about our meeting place in upcoming communications from the ImToxSS as the national meeting approaches.

For those of you looking for the most up to date information related to SOT please visit the SOT website for students and post-doc: <http://www.toxicology.org/ISOT/SS/immunotox/Student.html>

You can find everything you need to know on this website including: online versions of SOT newsletters, highlights of past meetings, SOT forums for interactive discussion and resources for undergrads, graduate students and post-docs. Links are also available for career resources and development services as well as awards and fellowships.

The 2008 Student and postdoc mixer will be held in the evening immediately following the reception (Wed, Mar 19). Come and

join us for networking with other people in the field! Look for the final update which will be posted in February and include the time and venue. You can also check the student website for updates.

The term for Sheung Ng as ImToxSS student rep will end in 2008. We are now looking for a new student rep to replace her. For those interested in this position, please send your CV and a nomination letter from your supervisor to Dr. Steve Pruet. Please feel free to contact Sheung Ng directly. She would be happy to speak with anyone interested in the position. Your term would run from March 2008-March 2010 and you would serve as the student voice for the ImToxSS.

A reminder that the deadline for the Immunotoxicology award "Best Presentation by a Graduate Student/Postdoctoral Fellow" is due February 1, 2008. The award requirements are submission of a complete written version (including all graphs and tables) of an immunotoxicology presentation to be made at the 2008 SOT annual meeting. This presentation is to be accompanied by a letter of nomination from the student's or postdoctoral fellow's advisor. Please utilize electronic submissions. No manuscripts will be accepted. Winners will receive a plaque and cash award. Please submit nominations for Best Presentations by a Student and by a

Postdoctoral Trainee to: Dr. Rodney Dietert (rrd1@cornell.edu).

If you have any questions about student representation in the ImToxSS or how the ImToxSS can best serve you as a student of immunotox, please do not hesitate to contact me at sander-son4@cdc.gov or Sheung at ng@env.med.nyu.edu.

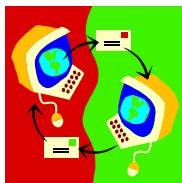
The ImToxSS is announcing, for the first time, a Travel Award available to any **non-US** post-doc to attend future annual meetings of the SOT.

The requirements/criteria for the award include that the Applicant:

- 1) must be a post-doctoral trainee;
- 2) must not be from the US;
- 3) must be an SOT member or in the process of applying for membership;
- 4) must be presenting at the next upcoming annual meeting.

Separate statements from the Applicant and from their Advisor justifying why the Applicant should win the travel award are mandatory and will be used by the Awards Committee in selecting the awardee. The **deadline** for receipt of all materials pertaining to the Seattle 2008 meeting is **November 23, 2007** and should be sent to Dr. Rod Dietert (at rrd1@cornell.edu).

Communications Committee Report



Submitted by Susan
McKarns

Our Immunotoxicology Specialty Section (ImToxSS) web page (<http://www.toxicology.org/IST/SS/immunotox/Index.html>) is undergoing some updates.

New Additions include ImToxSS 2007 Award Winners and the ImToxSS-sponsored Annual Meeting Programs. These data will be archived annually on the web page.

Upcoming updates include the incorporation of the following navigation buttons to our home page: 'Membership and Dues', 'Upcoming Meetings and Conferences', 'Websites with Immunotoxicology Interest', and 'Annual SOT Meet-

ings' - which will specifically highlight member activity with candid photos from poster/platform sessions, business meetings, receptions, social events, hallway chats, etc.

Unfortunately, Employment Opportunities (students are an exception) will no longer be posted on our web page; please forward these directly to hratajcz@comcast.net for publication in the Newsletter. Students and postdoctoral fellow positions will post under 'Students and Postdoctoral Information.

Please visit the Newsletter section for the current as well as archived issues of our ImToxSS Newsletter.

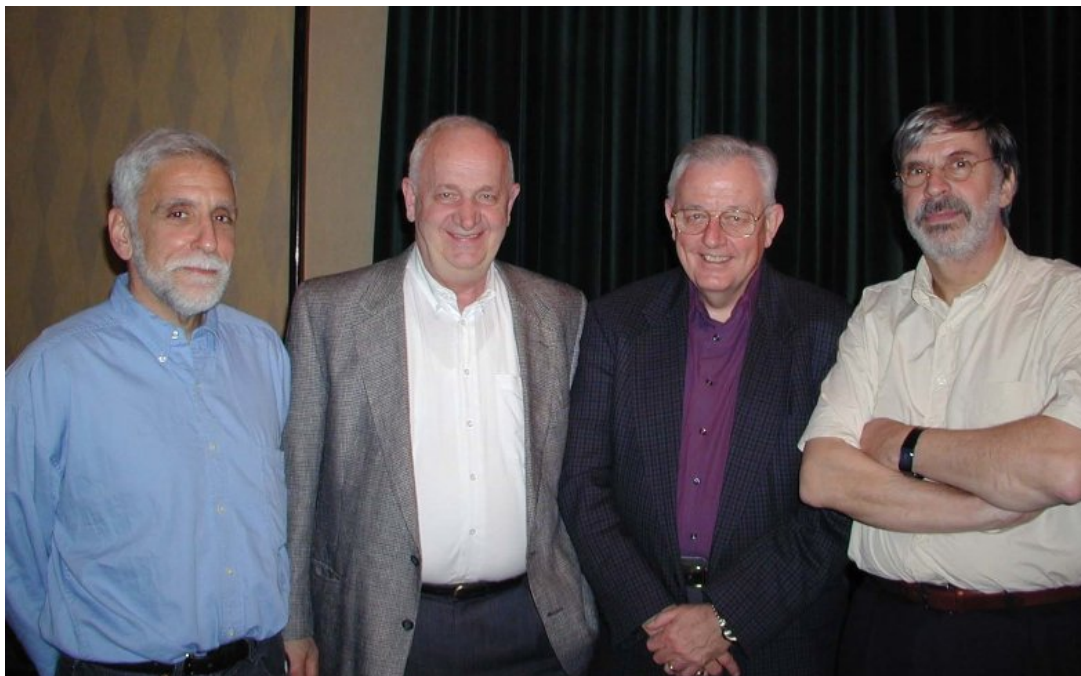
We welcome any updates to our revisions with photos, suggestions, comments, data, information, etc. at any time. Please send these to Susan McKarns at smckarns@niaid.nih.gov.

A Belated Remembrance of Jeff Voss

Jack Dean

Most of us find writing a scientific manuscript challenging, but you will learn that writing a tribute to a dear friend and colleague that has passed is among the most difficult things to write. Let me begin by providing a short biographical sketch of Jeff that I am sure will not do justice to his illustrious career.

Joseph (Jeff) Vos was trained as a veterinarian at the University of Utrecht in the Netherlands where he later received his Ph.D. working on the toxicology of polychlorinated biphenyls. After his Ph.D., he spent two years (1972-1973) at NIEHS working with Dr. Jack Moore on the effect of TCDD on the immune system of rodents. After returning to the



Photographed from
Left to Right:

Mike Luster, Al
Munson, Jack
Dean, Jeff Voss

Netherlands, he took a position at the National Institute of Public Health and the Environment (RIVM) where he spent the remainder of his career in numerous positions including Head of the Laboratories of Pathology, Toxicology, Director of Immunology, Director Basic Health Research, and finally back to the position he loved most as Head of the Laboratory for Pathology and Immunobiology where he worked closely for many years with his colleagues including Hank van Loveren, Frieke Kuper, and others. His career was marked with numerous high quality publications (including a citation classic in 1990), book chapters, membership in national and international scientific societies, service on the editorial board of several journals, and membership on numerous advisory committees for WHO, OECD, ILSI, and several national Dutch committees. Jeff's early research on the toxicology of polychlorinated biphenyls and their impurities led to a focus area in toxicology and gave birth to the subspecialty of Immunotoxicology. Jeff was also a teacher and served until his death on the Faculty of Veterinary Medicine at Utrecht University where he participated in training students, teaching and research.

I first became aware of Jeff's writings and work in 1977 when asked to organize a session on Immunotoxicology at the 1978 Drug Safety Gordon Research Conference. During the literature review at the National Library of Medicine, I came across a recent article in the CRC Press written by Jeff describing how toxic chemicals could injure the immune

system. This was a seminal review in my mind, as it stimulated my interest in this new area (as well as many others) and made me aware that the work I was doing at the time on the effect of anti-cancer drugs on the immune system was indeed Immunotoxicology. In 1979, I had the opportunity to follow Jeff's path to NIEHS when Jack Moore invited me to come and, in association with Mike Luster, organize a section on Immunotoxicology and initiate an external contract program on Immunotoxicology Methods Development and Validation in support of the National Toxicology Program. Jeff's work at NIEHS several years earlier had impressed Drs. J. Moore and D. Ralls (the Institute Director) with the importance of the immune system as a target organ of toxic injury. It is clear that Jeff's short tenure at NIEHS gave birth to Immunotoxicology as we know it in the USA and lead to the support of this area by NIH and the training of numerous students over the last 35 years.

On a personal note, I was most impressed with Jeff's exuberance for life, his lovely family, his research, and his interest in protecting the environment and its wildlife from dangerous environmental contaminants. We spent time together at meetings during those early years where he introduced me and many of you to the importance of reviewing the histology of the lymphoid organs in any study of a chemical's effect.

Suellen and I had the pleasure of also knowing Jeff's wife Jannie and his two daughters for almost 28 years. Suellen and I visited in their home on

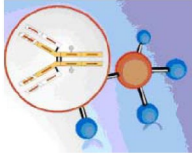
several occasions and during one visit - after a few glasses of Dutch Gin - Jeff and his two daughters decided to try and teach me the correct pronunciation of the Dutch alphabet. I was a complete failure, but everyone had a wonderful laugh. I believe Jeff was one of the nicest individuals and most rigorous scientists I have known. During every SOT meeting that we attended, we got together for lunch or dinner. Every visit started with a short discussion about our families; he shared what Jannie and his two daughters were doing, which more recently was a discussion about the arrival of grandchildren, before ultimately moving to research in Immunotoxicology

We will all miss Jeff and all who knew him will always be touched by his great personality, spirit for life, excitement about Immunotoxicology and contribution to this field of research.

Jack Dean, Ph.D., Sc.D., D.A.B.T.,
Fellow, A.T.S.

Research Professor, Departments of
Pharmacology and Pharmacology
and Toxicology, University of Arizona,
Tucson, AZ





SUMMERSCHOOL IN IMMUNOTOXICOLOGY ANNUAL PHD AWARD

The first Summerschool in Immunotoxicology Annual PhD Award in recognition of outstanding student contribution to the field of immunotoxicology was presented this year to:

Jessica E. DUFFY-WHRITENOUR

Jessica has been working in the Department of Environmental Medicine, the New York University School of Medicine, since 2001. The title of her doctoral dissertation was: “*The Impact of Polychlorinated Biphenyls (PCBs) on Neuro-immune Interactions in Fish: An Indirect Mechanism of PCB-induced Immunotoxicity*” (mentor: Judith Zelikoff). It is noteworthy that Jessica was also awarded the SOT – Student Travel Award in 2006.

In addition to the 1,000 € prize, the recipient of the Annual PhD Award is the guest (including registration, accommodation and travel expenses) of the Summerschool in Immunotoxicology and is invited to give a 15-min oral presentation summarizing his (her) most significant results.

Any student having obtained a PhD degree (or recognized equivalent) during the 12 months prior to the application deadline for original work strictly in the area of immunotoxicology is eligible. However, the submitted dissertation should be either in English, French or Spanish. Applications, including the candidate’s CV and PhD dissertation in final form should be submitted to Prof. Jacques Descotes, the president of Summerschool in Immunotoxicology:

E-mail: jacques-georges.descotes@chu-lyon.fr

Post mail : Centre Antipoison, 162 avenue Lacassagne, 69424 Lyon cedex 03, France.

The next deadline for application is 1st June 2008.

Cell Stress Society International Announcements

The Cell Stress Society International has assembled an exciting program for this year's workshop. The program includes presentations of cutting-edge research findings dealing with both prokaryotic and eukaryotic stress responses. This year the scope of the scientific research covered has been considerably broadened to include investigations into the underlying mechanisms and cellular responses to stresses such as: pH, nitrosative and oxidative stress, although the effects and cellular responses to heat stress are still a major theme. The meeting will occur in Bangkok, Thailand in March, 2008. Programmatic information can be found at <http://www.cellstress.uconn.edu/bangkokprogram.html>, and registration information can be found at <http://www.cellstress.uconn.edu/bangkokregistration.html>.

The Cell Stress Society International has begun organization of the the 4th International Congress on Stress Responses in Biology and Medicine, that is scheduled for October, 2009. Information about this congress can be seen at <http://web.sapmed.ac.jp/stress2009/index.html>

SOCIETY OF TOXICOLOGY NEWS



The SOT Endowment Fund Board announces the creation of a new Permanently Restricted Net Asset Fund—The Founders Fund. The Fund recognizes the uniquely valuable contributions of those professionals who organized, devoted their creative energies and time to establish the SOT, and whose vision provided the foundation for vital contributions aimed at the protection of public health worldwide. The Fund was created with cash contributions from 17 long-time leaders of the SOT (including 6 Charter Members), the Sapphire Group and the DuPont de Nemour & Company. Proceeds from the Founders Fund will be used to fund a new award—the SOT Founders Award.

The SOT Awards Committee will annually select the recipient of the Founders Award. Nominees must be a Full or Retired Full member of the SOT. The Founders Award will be presented to an individual who has demonstrated outstanding leadership in fostering the role of toxicological sciences in safety decision-making through the development and/or application of state-of-the-art approaches that elucidate, with a high degree of confidence, the distinctions between safe and unsafe levels of exposures to chemical and physical agents.

Nominations for the 2008 Founders Award must be submitted by a Sponsor and one or more seconders who are Full members of the SOT using the [On-Line Nomination Form](#). Nominations for the 2008 Founders Award are due November 5, 2007. The first SOT Founders Award will be presented at the 47th SOT Annual Meeting in Seattle, Washington.

Be alert for the SOT Endowment Fund Annual Report to be distributed later this Fall and the opportunity to contribute to the Founders Fund and other Funds.

For more information: <http://www.toxicology.org/AI/AF/awards.aspx>



**Pfizer Global Research and Development
Immunotoxicologist
Sr Scientist / Principal Scientist (R4/R5)
Groton, Connecticut**

The Immunotoxicology Center of Emphasis in Drug Safety R&D of Pfizer Global Research and Development has an opening for an Immunotoxicologist. The successful candidate will be focused on supporting assay development and sample testing for non-clinical and clinical studies in 3 major areas: (1) immunogenicity testing of biologicals, (2) hypersensitivity testing of low MW compounds, and (3) immunomodulation testing.

Your responsibilities will include:

- Development and validation of in vitro and in vivo methods to evaluate immunomodulation and predict and investigate hypersensitivity reactions with low MW and biologicals
- Investigating new technologies that can be applied to immunotoxicity testing
- Present finding to internal teams and at national meetings
- Publishing findings in peer reviewed journals
- Overseeing assay development, sample analysis and report preparation at contract research organizations (CROs)
- Supervising and mentoring lab scientists in the conduct of studies and preparing annual performance evaluations

The qualified candidate will have a Ph.D. in toxicology, pharmacology or immunology, or related biological disciplines; at least 2 years of post-doctoral training in immunotoxicology or immunology; experience with the development and validation of in vitro and in vivo methods to assess immune function; demonstrated excellence and productivity through publication in peer reviewed journals; and experience with supervising/mentoring laboratory staff, GLP studies, project management and/or CRO interactions. Good communication skills, attention to details, trouble shooting skills and ability to work collaboratively are required.

If you are interested in this position, please e-mail your CV/resume and cover letter to:

thomas.t.kawabata@pfizer.com

Thomas Kawabata, Ph.D.
Immunotoxicology CoE Global Head
Pfizer Global Research and Development
Groton, CT

To learn more about Pfizer, visit www.pfizer.com/careers

We're proud to be an equal opportunity employer and welcome applications from people with different experiences, backgrounds and ethnic origins.



Scientist, Toxicology

Northwest Recruiting Professionals

Bothell, WA

Major Duties & Responsibilities:

Responsible for the management of studies using immunology endpoints to support pharmacology and toxicology assessments of Seattle Genetics biological drug candidates, including:

- Identification, evaluation and selection of Contract Research Organization with appropriate immunology expertise
- Monitoring of CRO activities, focus on immunological analyses (Immunophenotyping and TDAR)
- Review of immunology & immunotoxicology evaluation data/reports
- Serve as the immunology expert within the Pharmacology & Toxicology department

Requirements:

- Advanced degree in immunology or a related life science
- Extensive (>3 years), knowledge of immunotoxicology evaluation methods, including flow cytometry (peripheral blood and bone marrow tissues), TDAR and Host Resistance Models.
- Knowledge of assay development, transfer and qualification
- Experience in immune functions evaluation desired
- Ability to communicate effectively through oral and written presentations
- Strong interpersonal skills, including demonstrated experience working in a team environment

To apply for this position send your resume via email to: SeaGen@vurvexpress.com with Scientist, Toxicology (450593) in the Subject line.





Research Position

CINVESTAV (Center for Research and Advance Studies)

Mexico City, Mexico

The Toxicology Department invites scientists interested in developing applied or basic research to apply for a faculty position, with a start date of January, 2008. Our Section is pioneer in conducting research in Toxicology with solid Graduate Programs (Master and PhD), and it is leader in generating knowledge and qualified new scientists who have initiated research groups and have supported academia in Mexico and Latin America. For further information visit our web site: www.cinvestav.mx/toxicologia/

Candidates must fulfill the following requirements:

- PhD degree in biological sciences related branch
- Postdoctoral experience of 2 years
- Publication record of 5 papers in scientific journals included in the Journal of Citation Reports
- Interest to developed research in any of the following areas: endocrinology, neurobiology, epidemiology, or immunology Experience in frontier techniques of molecular and cellular biology.

Applicants must submit a letter of application detailing interest in the position, curriculum vita and a 5-year research plan to lvega@cinvestav.mx. Due date is December 15th, 2007.

Dr. Libia Vega
CINVESTAV, Toxicología
Av. IPN 2508, Zacatenco, México D.F. 07360
Tel: (52-55)5061-3800 ext. 5472.
Fax: (52-55)5061-3395
E-mail: lvega@cinvestav.mx



Postdoctoral Fellow

**The University of Connecticut
Department of Molecular and Cell Biology**

The Department of Molecular and Cell Biology at the University of Connecticut is seeking a full-time postdoctoral research fellow in a laboratory that studies the molecular regulation of immune function, and the impact of various stressors on immune capacity. Research involves both traditional molecular and cellular assays as well as novel biotechnologies that are under development in the laboratory. Interested individuals can find more about ongoing projects at <http://web.uconn.edu/lyneslab/web-content/pages/projects.html>.

Qualifications: The successful candidate will have a Ph.D. and broad experience with molecular biology and immunology. Applicants should submit letter of application, curriculum vitae and names and contact information of three references to:

Michael.Lynes, Ph.D.
Department of Molecular and Cell Biology
University of Connecticut
U-3125
Storrs, CT 06269-3125
E-mail: Michael.Lynes@uconn.edu

Screening will begin immediately, and will continue until the position is filled. Applications are encouraged from underrepresented groups, including minorities, women, and people with disabilities.

The University of Connecticut is an equal opportunity/affirmative action employer.

Compiled by Haley Neff-LaFord.

ANYTIME you have a new publication to report, please sent it to the new coordinator, Haley Neff-LaFord: hneff@u.washington.edu.

Asthma, Allergy, Autoimmunity & Hypersensitivity

DeJonge JD, Ezendam J, Knippels LMJ, Odink J, Pourier MS, Penninks AH, Pieters R and van Loveren H. Bis(tributyltin)oxide (TBTO) decreases the food allergic response against peanut and ovalbumin in Brown Norway rats. *Toxicology* 239:68-76, 2007.

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Hassan SB, Haglund C, Aleskog A, Larsson R and Lindhagen E. Primary lymphocytes as predictors for species differences in cytotoxic drug sensitivity. *Toxicol in Vitro* 21:1174-1181, 2007.

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Fang KC. Clinical utilities of peripheral blood gene expression profiling in the management of cardiac transplant patients. *J Immunotox* 4:209-217, 2007.

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