

# Newsletter

## The International Lecithin and Phospholipid Society

August 2008

Editor: Willem van Nieuwenhuyzen  
ILPS Executive Director  
willem@lecipro.nl

---

### **ILPS Annual General Meeting and Board Meeting**

This meeting was held on May 18, 2008 at the Convention Center in Seattle, WA on the occasion of the AOCS Annual Meeting & Expo. Future actions and cooperation with other associations were discussed.

---

### **REVIEW ILPS SHORT COURSE Phospholipid & Lecithin in Emulsions on June 5-6, 2008 in Ghent Belgium**

ILPS and the University of Ghent, Dept of Food and Engineering, Belgium organized again a successful short course with about 70 participants. The objective of the course was to learn the properties of lecithins and the principles of emulsion preparation and stabilization. The oral presentations by 9 speakers were held in the University Conference Centre "Het Pand" in Ghent Centre. Laboratory experiments with emulsion preparation, lecithin emulsifying properties and various methods of emulsion characterization were demonstrated by 6 instructors in the Dept of Food Science.

Organizers were Prof. Dr. Paul Van der Meeren, Prof. Dr. Koen Dewettinck, Mrs. Eveline Frederick and Mrs. Saskia Rombaut – van der Looven of Ghent University and Willem van Nieuwenhuyzen.

The evaluation of the enquiry forms show that over 95% of the respondents were satisfied with the SC, meeting their expectations. Suggestions were made for spending more time on the laboratory demonstration, working with selected lecithins and selected equipment in smaller working groups.

The extensive SC review is available on the ILPS website.

Interests for a new SC were already enquired by various participants. ILPS will schedule a new SC for year 2010-2011.

---

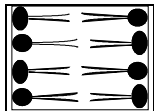
### **AOCS PHOSPHOLIPID 2008 SESSIONS held Seattle, WA, May 18-21**

AOCS had scheduled 3 sessions

- Structured Lipids (Chair: Moghis Ahmad)
- General Phospholipid (Chair: Lance Colbert, B. Sebree)
- New Source of Phospholipid (Chair: Willem van Nieuwenhuyzen, Tong Wang)

Abstracts can be downloaded from the AOCS website.

---



## CALL for PAPERS

### AOCS PHOSPHOLIPID 2009 SESSIONS in Orlando, FL May 3-6

AOCS will celebrate the 100<sup>th</sup> Annual Meeting.

The Phospholipid Division works again on 4 sessions. Some will be scheduled in cooperation with other divisions:

- Bio-Active Lipids (Chair: Moghis Ahmad)
- Oxidation/Antioxidation in Phospholipids (Chair: Bruce Sebree, Tong Wang with LOQ Division)
- Lecithin: Yesterday, Today and Tomorrow (Chair: Jonathan Maynes)
- Regulatory update of Lecithin, Protein etc. (Co Chair: Willem van Nieuwenhuizen with Protein Division)

*The call for papers and posters is open. Everybody is invited to submit the Declaration of Intent with just title and authors to [www.aocs.org/meetings](http://www.aocs.org/meetings) before October 3, 2008. After acceptance, the abstract should be submitted latest in January 2009.*

ILPS sponsors the travel fund.

---

### CALL for AOCS PHOSPHOLIPID 2008 BEST PAPER AWARD

*For the 2008 Best Phospholipid Paper Award Competition you are invited to send nominations to [jmaynes@solae.com](mailto:jmaynes@solae.com) (Phospholipid Division Chair). This year the award was not presented. AOCS Phospholipid Division Board review the possibility that the winner will be invited to present his paper as key note speaker in one of the Phospholipid Sessions at AOCS AM in Orlando, May 2009*

---

## ANALYTICAL NEWS

### ILPS EUROPEAN ANALYTICAL SUBGROUP MEETING

The most recent ILPS European Analytical Subgroup meeting was held at the offices of Spectral Service GmbH, Cologne, Germany, March 6, 2008. Hosts were Dr. Werner Ockels and Dr. Bernd Diehl, directors of Spectral Service. The minutes of the meeting have been distributed to ILPS Members.

Next meeting is scheduled March, 5, 2009 at Cargill Texturant Systems, Hamburg, Germany.

---

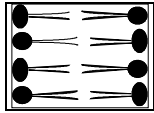
### HPLC – LSD Method official AOCS Analytical Method available

ILPS Analytical Method AM 01 on HPLC – Light Scattering Detection for Lecithin Phospholipids was developed in the 1990ties with final round robins in 12 laboratories. This method was already accepted as official unified DGF method F- I-6a by the German Association of Fat Chemistry. The approved AOCS Ja 7- 07 method was published in autumn 2007.

---

### 31P-NMR Ring test ongoing

At request of the AOAC (American Organization of Analytical Chemists), Bernd Diehl, member of the AOAC Phosphatidylserine PS working group, organized a 31P-NMR round



round robin with agreed participation of 17+ laboratories. First results were presented at the AOCS Phospholipid Session in Quebec City, May 2007. Results are discussed by the AOAC committee. The publication in the journal Lipids is foreseen for near future. The aim is to get a validated method, to be submitted for official approval by AOAC and DGF. ILPS may support Bernd's initiative to issue it also as ILPS method and to draft a method for AOCS approval.

---

### **Toluene Insoluble method round robin.**

The EU specification TI max 0.3% refers to an EU method. This method, using G3 (porosity 16-40 mu) crucibles, was never validated. In the USA Hexane Insoluble with crucible Type C (16 – 90 mu) is the approved AOCS method.

At the request of DGF (German Society for Fat Science) and IUPAC (International Union of Pure and Applied Chemistry) Mrs. Dr. Alice Bonekamp of ADM Hamburg organized a round robin with course G2 crucibles (40-60 mu). About 14 laboratories have participated. Results are discussed in the DGF and IUPAC committees of experts. Publication is scheduled for late 2008.

---

## **OTHER NEWS**

### **Phospholipid Research Center Heidelberg, Germany**

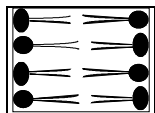
For ILPS members with focus on pharmaceutical topics, this new entity may interest you.

The Phospholipid Research Center (PRC) is located in the Technologiepark Heidelberg and was founded in 2006 by international scientists working in the fields of chemistry, medicine and pharmacy in conjunction with the companies Lipoid GmbH (Ludwigshafen) and Phospholipid GmbH (Cologne). It is a primary point of contact for all scientists, who focus their research on phospholipids in pharmaceutical applications. PRC aims to cover the entire field of phospholipids, which comprises phospholipids from natural sources such as egg and soy, as well as chemically and enzymatically modified and synthetic phospholipids.

The center is an independent scientific institution. It is organized as a registered non profit association with an office in Heidelberg. The Heidelberg Center itself does not have laboratory facilities. The Center's focus is the promotion and research of the application of phospholipids in pharmaceuticals. The center is financed by donations and membership fees. PRC has approximately 50 members, including active members (scientists, practitioners, students) and currently 8 company members.

For more information feel free to contact Mrs. Dr. Katharina Sauter, Manager of the Center. E: [ksauter@phospholipids.net](mailto:ksauter@phospholipids.net). The website [www.phospholipids.net](http://www.phospholipids.net) gives further information and has currently listed 6 newsletters.

---



## Phospholipid seminar: Nutrition, applications and technology 23 and 24 October 2008 in Copenhagen, Denmark

The meeting is organized by Øresund Food Network (ØFN) in co-operation with European section of the American Oil Chemists Society (AOCS) and will be held at the premises of ØFN in Copenhagen.

The seminar will be organized in 3 sessions: 1) Nutritional aspects, 2) Applications of phospholipids in food and pharmaceuticals, 3) Technological aspects with particular focus on processing and modification on PL.

Key note speakers will be Åke Nilsson, Charlotte Vermehren, Mikko Griinari and Willem van Nieuwenhuyzen. The final technical program will be available after September 1, the deadline for the call for papers.

More information about the meeting as well as registration details is available on the homepages of ØFN and Euro AOCS ([www.oresundfood.org](http://www.oresundfood.org) and [www.aocs.org/member/section/europe](http://www.aocs.org/member/section/europe)).

Contact person: Charlotte Jacobsen, DTU Aqua ([cja@aqua.dtu.dk](mailto:cja@aqua.dtu.dk))

---

### New Book: PHOSPHOLIPID TECHNOLOGY AND APPLICATIONS

Editor: Frank D. Gunstone

Publisher: The Oil Press, an imprint of PJ Barnes & Associates, POBox 200, Bridgwater, TA7 0YZ, England. ISBN 978-0-9552512-2-1, Price £ 85 or \$ 174. Info: [www.pjbarnes.co.uk](http://www.pjbarnes.co.uk)

This 200 pages book is published as Volume 22 in the Oily Press Lipid Library. The Editor has selected with the support of Dr Michael Schneider 14 professionals for editing in total 8 chapters. The book is interesting combination of topics on sourcing, production and modification of the traditional soy lecithins, fundamental physical properties of phospholipids, technical emulsifying functions and biological functions of vegetable phospholipids and sphingolipids.

---

### ILPS OFFICERS

The current team of officers consists of:

**President** - Lance Colbert, Archer Daniels Midland, [colbert@admworld.com](mailto:colbert@admworld.com)

**Vice-President** – Moghis Ahmad, [moghis@jinapharma.com](mailto:moghis@jinapharma.com)

**Treasurer** – Roger Lantz, ADM, [lantz@admworld.com](mailto:lantz@admworld.com)

**Secretary** – Jonathan Maynes, The Solae Company, [jmaynes@solae.com](mailto:jmaynes@solae.com)

**Analytical Secretary** – Bernd Diehl, Spectral Services, [diehl@spectralservice.de](mailto:diehl@spectralservice.de)

For further contact information and the board of directors, please visit the ILPS website

---

**ILPS Website** [www.ilps.org](http://www.ilps.org)

You should know that the ILPS homepage contains under the icon

**ILPS News:** Nutritional and Supplement information

List of Best Phospholipid Paper Award winners

**Standards:** Link to Molecular Structures of various Phospholipids

**Calendar:** Scheduled meetings of scientific and commercial meetings and expositions

**About Us:** Mission, Officers, By-laws and Past events.

**Links:** Links to lecithin companies and associations