This “spring meeting” which is traditionally called “Journées Chevreul” will be held during 2 days in Paris as an AFECG-DGF joint meeting under the umbrella of EuroFedLipid.

This symposium will present and discuss the latest basis finding on the role of omega-3 (n-3) polyunsaturated fatty acids (PUFA) in the brain, with major questions:

- What positive roles can be presently attributed to n-3 PUFA in early life development, patho-physiology and prevention of brain diseases?
- What do we know from epidemiological studies on the role of lipid nutrition and PUFA intake on brain functions and human behaviour?

The last part of the meeting will focus on the scientific incoming efforts to provide n-3 LC-PUFA to human beings.

Internationally recognized Scientists in the field of essential fatty acids will focus on new discoveries, burning questions and latest knowledge. One of the highlights of these days will be the “Medaille Chevreul” lecture given by a leader in this scientific field: Dr S. Rapoport, Bethesda, USA, who will emphasize the recent developments of PUFA metabolism in Brain and liver and its interplay and regulation by the diet.

Health professionals, nutritionists, food scientists from academy and public institutions as well as food industrialists active on research, development and marketing will be interested by this conference. The venue will provide excellent networking facilities for delegates coming from different spheres of activity related to lipid nutrition and health effect.

We look forward to welcoming you in Paris.

Médaillle Chevreul : Dr Stanley Rapoport
Chief, Brain Physiology and Metabolism Section, National Institute on Aging, NIH, Bethesda

Regulation by diet of brain and liver metabolism of nutritionally essential polyunsaturated fatty acids
Tuesday, 13 March 2007

8h30  → Registration
9h00  → Opening remarks – Dr B. Delplanque, President of AFECG
        – Pr U. Bornscheuer, President of DGF

METABOLISM OF PUFA

Chair: Dr B. Delplanque / Pr U. Bornscheuer

9h15  → Lipids in evolution - were they the masters of the DNA?
        Pr M. Crawford, Institute of Brain Chemistry, London Metropolitan University, United Kingdom
9h45  → Modelling n-3 PUFA incorporation in nervous cells.
        Dr J.M. Alessandri and Dr Ph. Guesnet, INRA, Paris, France
10h15 → Coffee break

PUFA FOR BRAIN DEVELOPMENT IN EARLY LIFE

Chair: Dr Ph. Guesnet / Dr H. Demmelmair

10h45 → Perinatal long chain polyunsaturated fatty acid supply - are there long term consequences?
        Dr H. Demmelmair, University of Munich, Germany
11h15 → n-6 fatty acid metabolism in the newborn: is linoleic acid sufficient in meeting the demand for arachidonic acid?
        Drs R. Pawlosky, A. Llanos, Y. Lin, N. Salem and R. Uauy, NIH, Bethesda, USA
11h45 → DHA involvement in neurotransmission process.
        Dr S. Vancassel, INRA, Paris, France
12h15 → Effects of n-3 PUFA deficiency on the expression of nuclear receptors and synaptic plasticity markers in rat brain.
        B. Buaud, PhD Student, ITERG-Nutrition Dpt/University of Bordeaux, France
12h30 → Lunch
13h45 → General Assembly of AFECG (for members only)

III - PUFA AND AGING DISORDERS

Chair: Pr WO. Richter / Dr S. Rapoport

14h30 → n-3 PUFAs, energy substrates and brain function during aging.
        Pr S. Cunnane, University of Sherbrooke, Canada
15h00 → Understanding Alzheimer's disease prevention - the role of lipids and diet.
        Pr T. Hartmann, University of Homburg/Saar, Germany
15h30 → Neuroprotective effects of DHA in Alzheimer’s disease models.
        Dr T. Pillot, Inserm, Nancy, France
16h00 → Coffee break
16h30 → The use of DHA in treatment of patients in an early stage of Alzheimer’s Disease.
        Dr M. Bryhn, Lysaker, Norway
17h00 → alpha-Linolenic acid treatment confers protection against cerebral or spinal cord ischemia via the TREK-1 channel.
        Dr C. Heurteaux, CNRS, Nice, France
17h30 → n-3 PUFAs in health and disease of the retina.
        Dr N. Acar, INRA, Dijon, France
19h45 → Diner: Paris by Night on a cruising restaurant on board of a panoramic boat.
Wednesday, 14 March  2007

IV - PUFA FOR BEHAVIOUR TROUBLES AND RELATED PATHOLOGIES

Chair: Dr P. Astorg / Dr B. Delplanque

9h00 → PUFAs and risk of cognitive decline or dementia: epidemiological data.
Dr P. Barberger-Gateau, University of Bordeaux, France
9h30 → n-3 PUFAs and mood disorders.
Dr P. Astorg, Inra, Paris, France
10h00 → Antiepileptic ketogenic diet.
Dr J. Vamecq, Inserm, Lille, France
10h30 → Neuroprotective potential of chronic rapeseed oil diet evaluated by audiogenic seizures test in magnesium-deficient mice.
Dr N. Pages, Dr P. Maurois; University of Paris XI, France
10h45 → Coffee break
11h00 → The fatty acid binding proteins (FABPs) of brain and their potential as neurobiochemical markers of brain damage.
Pr F. Spener, University of Graz, Austria

11h30 → Médaille Chevreul : Dr Stanley Rapoport.
Chief, Brain Physiology and Metabolism Section, National Institute on Aging, NIH, Bethesda, USA. Regulation by Diet of Brain and Liver Metabolism of Nutritionally Essential PUFA

12h30 → Lunch

V - PERSPECTIVES

Chair: Pr M. Parmentier / Pr F. Spener

14h00 → Polar lipids: n-3 PUFA carriers for membranes and brain: Nutritional interest and emerging processes.
Pr M. Parmentier, Pr M. Linder, Pr J. Fanni, ENSAIA, Nancy, France
14h30 → Production of very long-chain n-3 and n-6 PUFAs in plants.
Dr A. Abbadi, NPZ-Lembke, Holtsee, Germany
15h00 → Coffee break
15h30 → Structured phospholipids as vehicles of DHA and Neuroprotectin D1.
Pr M. Lagarde, Dr M. Picq, Dr S. Michaud, Pr A. Douteau, Pr M. Guichardant, Inserm and Insa-Lyon, France
16h00 → Conclusions
A. Le Guillou, Vice-President of AFECG
PUBLIC TRANSPORTATION

1. **Metro line 6** - Exit at Denfert-Rochereau or Glacière station.

2. **From Roissy-Charles de Gaulle Airport**:  
   - **RER B** - direction Robinson/Saint Remy-les-Chevreuses. Exit at Denfert-Rochereau Station (10 min walking) or take the metro line 6 direction Nation (see 1.)

3. **From Orly Airport**: take Orlybus or Orlyval to Denfert-Rochereau, Exit at Denfert-Rochereau Station (10 min walking) or take the metro line 6 direction Nation (see 1.)

DINER --> PARIS BY NIGHT

On a cruising restaurant on board of a panoramic boat. A wonderful approach of the greatest monuments of Paris by the Seine, with a gourmet meal elaborated by Chef Mr Philippe Groult “Meilleur Ouvrier de France”.  
Boarding:19h45, departure 20h30 at the Cygnes Island in the middle of Pont de Bir Hakeim close to Eiffel tower 75015 (5 min from metro Bir Hakeim station, line 6 or RER C Champ de Mars-Tour Eiffel station).
For more informations see [www.lecapitainefracasse.com](http://www.lecapitainefracasse.com)

The organization gratefully acknowledge support by the following companies (as of 12 December 2006)
CONFERENCE REGISTRATION

2007 CHEVREUL MEETING, PARIS, Tuesday and Wednesday 13 & 14 March 2007

Please return the completed form (one per participant) not later than 16 February 2007 to the following address:

AFECG
118, avenue Achille Peretti
92 200 NEUILLY-SUR-SEINE
France

Phone number : + 33 1 46 37 20 25
Fax number : + 33 1 46 37 15 60
E-mail : afecg@fnchg.fr

Surname : .......................................................................................................................
First name : .........................................Title : ..................................................................
Company or Institution : .......................................................................................................
Address : .......................................................................................................................
Postal Code : .......................................City : ..................................Country : ........................
Telephone: ....................................................................................................................
Fax: ...........................................................................................................................
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Chevreul Conference 2007 registration fees

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<th>With dinner**</th>
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<tbody>
<tr>
<td>Academic/Institutionnal</td>
<td>150 €</td>
</tr>
<tr>
<td>Industrial – member*</td>
<td>300 €</td>
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<tr>
<td>Industrial – non member**</td>
<td>380 €</td>
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<tr>
<td>Retired</td>
<td>100 €</td>
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<td>Student (with justification)</td>
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* Member: AFECG, DGF or EFL
** Due to the limited number of places, reservations will be made on a first come - first served basis

I wish to become an AFECG member (membership fees: 60€)

Payment (registration forms must be accompanied by full payment):
The registration fees include entry to the Scientific Conference, the list of attendants, the book of abstracts, lunches and coffee breaks. For students, lunches are not included.

I have enclosed a cheque of .............. Euros with this form (order: AFECG)
My payment has been effected by bank transfer to BNP PARIS CHARTRES

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Key : 48

Please enclose a copy of the bank transfer with your registration form. Bank fees are at your charge

IMPORTANT : Please do not forget to mention the name or code member of the attendee