



UNIVERSITÉ
DE LORRAINE



LIPIDS & BRAIN IV:

LIPIDS IN ALZHEIMER DISEASE

Sunday 8th to Wednesday 11th October 2017

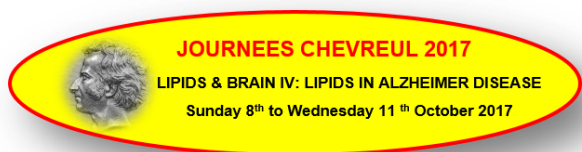
Nancy, France

<https://lipidsandbrain.event.univ-lorraine.fr>



Organizing Committee

Dr Philippe Guesnet, Pr Elmira Arab-Tehrany, Dr Bernadette Delplanque,
Dr Claire Bourlieu, Dr Ali Tamayol, Dr Jean-Luc Olivier, Pr Michel Linder



The French Society for the Study of lipids (SFEL) is a non-governmental, non-profit scientific society founded in 1943. Its main objective is to engage in all activities intended to promote scientific interactions and collaborations between national and international searchers from industry and academic in the field of lipids. For this purpose, our activity is essentially directed toward organization of hot topic meetings “les Journées Chevreul” each year and participation as co-editors as well as publications providers for the bimonthly OCL journal (Oilseeds and fats, Crops and Lipids, www.ocl-journal.org/), a french peer-reviewed full Open-Access scientific journal devoted to fats and lipids.

Since 2007, the SFEL organize each 4 years an international conference held in Paris “Lipids & Brain Journées Chevreul” with the participation of several European scientific associations (2007 DGF, 2011 Norway L&B, 2015 SCI). Over a period of 3 days, “Lipids & Brain” conferences examine the latest findings in this field of research from leading researchers into both fundamental and applied research on the metabolism of FAs and PUFAs within the brain and the retina, with a focus on neural pathologies. They provided an opportunity to extend our knowledge in these fields of research and on the relationship between nutrition, FAs, lipids and central nervous system function during development and ageing. They have also honoured with the French “CHEVREUL Medal” Dr Stanley I. Rapoport (Bethesda, USA) and Pr. Nicolas G. Bazan (New Orleans, USA) and Dr Crawford (London, UK) for their pioneering research.

Lipids & Brain conferences have now become a benchmark in this field of research, the only one in Europe to date, and is backed by all international societies.

This year, only two years after the large success of the last one in 2015, we organize in Lorraine University a special ***Lipid and Brain IV dedicated to “Lipids in Alzheimer disease”***. We will examine the latest findings in this world growing disease with the objective is to assemble the medical community and the scientists and to improve connections, discussions and exchanges between physicians, nutritionists and fundamental scientists, in an attempt to develop prevention and treatments of this human pathology. Moreover, the SFEL has decided to honour a scientist who dedicated his carrier to a very original research in this field: Pr Stephen Cunnane (Université Sherbrooke, Canada) by the French Chevreul Medal 2017.



Société Française pour l'Etude des Lipides

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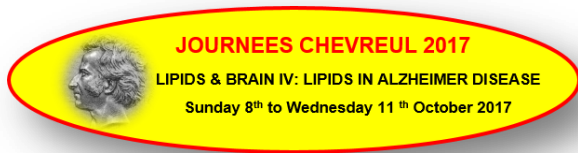


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Université de Lorraine – ENSAIA 2, avenue de la Forêt de Haye TSA 40602 54518 – VANDOEUVRE CEDEX

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PROGRAM LIPIDS and BRAIN IV – LIPIDS IN ALZHEIMER DISEASE

Sunday, 8 October

16h00: Registration, Posters

17h00-19h00: Welcome reception

Monday, 9 October 2017

8h00 – 9h00 Registration

Session 1: Physiopathology, epidemiology and Drug therapy

9h00-9h45

Bruno Dubois Sorbonne, Université Pierre et Marie Curie, Paris 06, Institut de la Mémoire et de la Maladie d'Alzheimer (IM2A) & Institut du Cerveau et de la Moelle épinière (ICM), Département de Neurologie, Hôpital de la Pitié-Salpêtrière, Paris, France.

Title: *The continuum of Alzheimer disease.*

9h45-10h15

Jean-François Dartigues. Bordeaux Population Health (BPH Center) INSERM U 897. Université de Bordeaux, France.

Title: *Alzheimer's Disease in the city.*

10h15 – 11h00 Coffee break / posters

11h00-11h30

George S. Bloom. Department of Neuroscience, University of Virginia, Charlottesville, VA, USA

Title: *How Brain Insulin Resistance Contributes to Alzheimer's Disease Pathogenesis.*

11h30-12h00

JM Schott. Dementia Research Centre, Institute of Neurology, University College London, London, UK
Title : Blood Biomarkers for Alzheimer's Disease: Much Promise, Cautious Progress (en attente)

12h00 14h00 LUNCH (restaurant hippodrome)

Session 2: Alzheimer Disease – Interaction with lipid metabolism

14h00-14h30

Mélanie Plourde, Research Center on Aging, Health and Social Services Centre, University Institute of Geriatrics of Sherbrooke, Sherbrooke, Canada and Department of Medicine, University of Sherbrooke, Sherbrooke, Canada

Title: *Ageing, cognitive decline, ApoE and DHA metabolism.*

14h30-15h00

Legido-Quigley C. King's College London, Institute of Psychiatry, Psychology & Neuroscience, London, UK.

Title: *Blood, CSF and brain metabolomics/lipidomics to study Alzheimer's Disease.*



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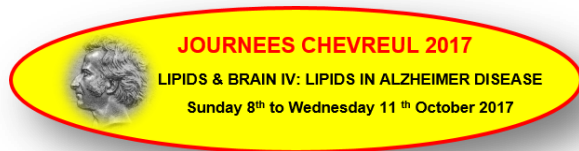
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15h00-15h30

Karl J.L Fernandes, Faculty of Pharmacy, Université Laval, Quebec City, QC G1V 0A6, Canada; CHU-Q Research Center, Quebec City, QC G1V 4G2, Canada.

Title: Abnormal brain lipid metabolism in Alzheimer.

15h30 – 16h00 Coffee break / posters

16h00- 16h30

Marie-Claude Potier. Centre National de la Recherche Scientifique UMR 7225, Institut National de la Santé et de la Recherche Médicale, U1127, Institut du Cerveau et de la Moelle, Sorbonne Universités, UPMC Univ Paris 06 UMR S 1127, Paris, France.

Title: Cholesterol and ApoE in Alzheimer's disease.

16h30 - 17h00

Catherine Malaplate-Armand (UR AFPA INRA USC 340, EA 3998, Équipe Biodisponibilité et Fonctionnalité des Lipides Alimentaires (BFLA), Université de Lorraine, Nancy, France. Laboratoire de Biochimie et Biologie Moléculaire, UF Oncologie Endocrinologie Neurobiologie, Hôpital Central, Centre Hospitalier Universitaire, Nancy, France.

Title: Aged-related lipid raft modifications and higher susceptibility to amyloid stress.

17h00 – 17h30

Jean-Luc Olivier. URAFPA, équipe Calbinotox et service de Biochimie-Biologie Moléculaire, CHU de Nancy, France.

Title : Potentialization of A β oligomer neurotoxicity by dietary arachidonic acid.

Tuesday, 10 October 2017

Session 3: Impact of omega 3 fatty acids and lipid nutrition

8h30-9h00

Bernoud-Hubac N. Univ Lyon, INSA-Lyon, Inserm UMR 1060, Inra UMR 1397, CarMeN Laboratory, IMBL, Villeurbanne F-69621, France.

Title: The pleiotropic effects of omega-3 docosahexaenoic acid on the hallmarks of Alzheimer's disease.

9h30-10h00

Layé S. Department of Nutritional Sciences, University of Toronto, Toronto, Ontario M5S 3E2, Canada. [2] INRA, Nutrition et Neurobiologie Intégrée, UMR 1286, 33076 Bordeaux, France. [2] University of Bordeaux, Nutrition et Neurobiologie Intégrée, UMR 1286, 33076 Bordeaux, France

Title: Polyunsaturated fatty acids and their metabolites in brain function and disease.

10h00 – 10h30 Coffee break

10h30 - 11h15

Chevreur Medal: Stephen CUNNANE

(Research Center on Aging, Sherbrooke Canada)

Is ketone production part of the role of omega-3 fatty acids in the brain?

11h15 -11h45

Bazinet RP. Department of Nutritional Sciences, Faculty of Medicine, University of Toronto, FitzGerald Building, 150 College St., Room 306, Toronto, ON, M5S 3E2, Canada.

Title: Brain omega-3 polyunsaturated fatty acids modulate microglia cell number and morphology in response to intracerebroventricular amyloid- β 1-40 in mice.



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JOURNEES CHEVREUL 2017

LIPIDS & BRAIN IV: LIPIDS IN ALZHEIMER DISEASE

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11h45-12h15

Palmblad J. Dept. of Medicine, Karolinska Institutet
Karolinska University Hospital Huddinge, Stockholm, Sweden.

Title: Methylation of DNA in leukocytes from AD patients given supplementation with omega-3 fatty acids.

12h15 - 14h00 LUNCH (restaurant hippodrome)

Session 3: Impact of omega3 fatty acids and lipid nutrition

14h00-14h30

Nicolazzo J. Drug Delivery, Disposition and Dynamics, Monash Institute of Pharmaceutical Sciences, Monash University, 381 Royal Parade, Parkville, Victoria 3052, Australia.

Title: Impact of Docosahexaenoic Acid on Alzheimer's Disease: and the Blood-Brain Barrier.

14h30-15h00

Vitale N. INSERM Institut des Neurosciences Cellulaires et Intégratives. UPR-3212 CNRS - Université de Strasbourg. France.

Title: Distinct role of mono and poly-unsaturated forms of phosphatidic acid in neurosecretion and neuronal growth.

15h00-15h30

Cole G. Department of Neurology, David Geffen School of Medicine, University of California, Los Angeles, CA, USA; Veterans Affairs Greater Los Angeles Healthcare System, Los Angeles, CA, USA.

Title: Dietary DHA supplementation in an APP/PS1 transgenic rat model of AD reduces behavioral and A β pathology and modulates A β oligomerization.

15h30 – 16h00 Coffee break

16h00- 16h30

Nick van Wijk, Danone-Nutricia. Nederland.

Title: Targeting brain lipid metabolism in early Alzheimer's disease.

16h30-17h00

Grimm Marcus Experimental Neurology, Saarland University, Kirrberger Str. 1, 66421 Homburg/Saar, Germany.

Title : The impact of Lipids and fat soluble Vitamins in Alzheimer's disease.

17h00-17h30

Annweiler C. Department of Neuroscience, Geriatrics Division, Angers University Hospital, Angers, France.

Title: Vitamin D and neurocognition in older adults.

19h00-23h00 : Gala Dinner at the former hall of Nancy



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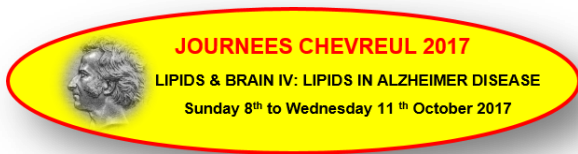


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Wednesday, 11 October 2017

Session 4: PUFA and vectorisation in the Brain

8h30-9h00

Michel LAGARDE, CarMeN, Villeurbanne. France

Title: Acetyl,DHA-GPC: a structured phospholipid to provide DHA to the brain, with additional acetylation effects.

9h00-9h30

Greg Cole, PhD, Professor UCLA Dept Medicine & Neurology. USA

Title: Curcumin as an active drug delivered to brain for Alzheimer's disease.

9h30-10h00

Sophia G. Antimisiaris, PhD., Dept. of Pharmacy, University of Patras, Greece

Title: Nanoparticle based drug delivery systems crossing blood brain barrier.

10h00 - 10h30 Coffee break

10h30-11h00

Elmira Arab-Tehrany, Université de Lorraine-Nancy, France

Title: Active nanoliposome as the best DHA delivery.

11h00-11h30

Sally A Frautsch, Ph.D, Professor UCLA Dept Medicine & Neurology. USA

Title: Roles for both Omega-3 and Omega-6 PUFA in Alzheimer Prevention.

11h30-12h00

Emmanuel I. Stratakis, Ph.D., FORTH, Greece

Title: PUFA and brain-on-a-chip microfluidic device.

12h20 – 14h00 LUNCH (restaurant hippodrome)

14h00-14h30 Poster awards

14h30-15h00 Conclusion of the congress by the futur president of SFEL



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Registration Fees LIPIDS and BRAIN IV: Lipids in Alzheimer disease

Lipids and Brain IV registration fees	Until 4/09/2017	After 4/09/2017
SFEL members - Updated membership 2017 - Futur SFEL members with membership 2017	490 € 570 €	590 € 650 €
Academic SFEL members - Updated membership 2017 - Futur SFEL members with membership 2017	290 € 370 €	390 € 470 €
SFEL Retired Member	100 €	200 €
Student (proof needed *) - With membership 2017 - Futur SFEL members with membership 2017	180 € 260 €	280 € 360 €
Gala dinner	95 €	95 € According to availability



Société Française pour l'Etude des Lipides

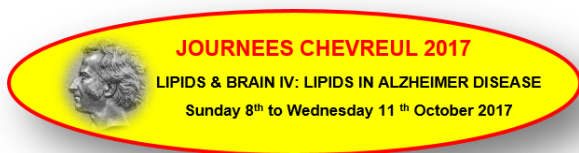
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Sponsoring Proposals

Super Gold Sponsor: Stand for posters /products presentation, display on web and screens during the three days, documents in the bags.	8 000 euros
Gold Sponsor: Invitation of « Médaille Chevreul »	6 000 euros
Silver Sponsor: display on web and screens during the three days, documents in the bags	5 000 euros
Silver Sponsor: poster at the restaurant's entrance and announcement before lunch + sponsor indication on the menu. Display on web and screens during the three days,	4 000 euros
Bronze Sponsor: Bags with Logo. Display on web and screens during the three days.	3 000 euros
Bronze Sponsor: availability of a booth for posters / products presentation. Display on web and screens during the three days,	3 000 euros
Documents inside the bags: distribution to all the speakers and guests. Display on web and screens during the three days.	2 500 euros
Sponsorship of a coffee break: poster + documents available. Display on web and screens during the three days.	2 000 euros

Every sponsor's logo will be on the "Journées Chevreul" leaflet.

Each funding of more than **3000 euros** offers free access to conference and gala dinner to a representative of the sponsor and 2 for more than 6000 euros.

We are open to any other proposal.

For more informations, please contact:

bernadette.delplanque@u-psud.fr ; guesnet07@gmail.com ; elmira.arab-tehrany@univ-lorraine.fr ; michel.linder@univ-lorraine.fr



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JOURNEES CHEVREUL 2017

LIPIDS & BRAIN IV: LIPIDS IN ALZHEIMER DISEASE

Sunday 8th to Wednesday 11th October 2017



1963	M. E. André (FR)	M. J. Jacini (IT)		
		M. M. Loncin (BE)		
1964	M. G. Champetier (FR)	M. T.P. Hilditch (GB)		
1965	M. M. Desnuelle (FR)	M.A.R. Baldwin (US)	1990	M. L. Marcou (FR)
1966	M. J. Vizern (FR)	M. J. Martinez-Moreno (ES)	1991	M. A. Karleskind (FR)
1967	M. C. Paquot (FR)	M. H. Niewiadomski (PL)	1992	M. R. Duterte (FR)
1968	Mle M.T. François (FR)	M. J. Boldingh (NL)	1993	
1969	M. C. Trottmann (FR)	M. M.E. Frazer (GB)		M. P De Gennes (FR)
1970	M. R. François (FR)	M. W.O. Lundberg (USA)	1994	M. A. Crastes de Paulet (FR)
1971	M. M. Naudet (FR)	M. H.J. Thomasson NL)	1995	M. A. Lesaichere (FR)
1972	M. J.P. Wolff (FR)	M. R. Marcuse (SWE)	1996	M. G. Gandemer (FR)
1973	M. M. Toy-Riont (FR)	M. J. Baltes (DEU)	1997	M. J. Graille (FR)
1974	M. J. Morice (FR)	M. De Smet (BE)	1998	
1975	M. J.P. Helme (FR)	M. J.C. Cowan (US)		M. F. Mordret (FR)
1976	M. F. Pouillaude (FR)	M. U. Pallotta (IT)	1999	M. G. Pascal (FR)
1977	M. E. Ucciani (FR)	M. Viès (BE)	2000	M. G. Vermeersch (FR)
1978	M. Metais (FR)	M. A. Jakubowski (PL)	2001	M. M. Renard (FR)
1979	M. D.G. Dervichian (FR)		2002	M. G. Robin (FR)
	M. F. Lachamp (FR)		2003	Mme N. Combe (FR)
1980	M. A. Prevot (FR)	M. J. Pokorny (CZ)	2004	M.Z.Mouloungui (FR)
1981	M. P. Flanz (FR)	M. A. Seher (DEU)	2005	M.M.Parmentier (FR)
1982	M. M. Ollagnier (FR)	M.E. Fedeli (IT)	2006	M.A. Gaset (FR)
1983	M. B. Entressangles (FR)	M. Vos (NL)	2007	M.F. Carriere (FR)
1984	M. J. Poré (FR)	Mme J. Beare Rogers (CA)	2008	M.M. Olivon (FR)
1985	M. A. Uzzan (FR)	M. T. Mounts (USA)	2009	
1986	M. J. Klere (FR)	M. J. Hollo (HU)	2010	M.M. Lagarde (FR)
1987	M. F. Mendy (FR)	M. G. Varela (ES)	2011	M.P. Guesnet (FR)
1988	M. L. Faur (FR)	M. U. Bracco (SZ)	2012	Mme F. Lacoste (FR)
1989	M. J.M. Bourre (FR)	M. G. Robbelen (DEU)	2013	M. A.Pouzet (FR)
		M.P. Capella (IT)	2014	
			2015	Mme B. Delplanque (FR)
			2016	
			2017	M. P. Legrand (FR)
				M. F. Gunstone (UK)
				M. M. Fondu (BE)
				M. R. Celades (ES)
				Gold Medal
				M. W.W. Nawar (USA)
				M. K. Downey (CA)
				M. K. Aitzetmuller (DEU)
				Mme C. Dobarganes (ES)
				M. F. Luchetti (IT)
				M. O. Korver (NL)
				M. F. Spener (DEU)
				M. J.Macleod (UK)
				Mme.K.Kövari (HU)
				Mme V. Ruyz Gutierrez (ES)
				M. S. Rapoport (US)
				M.E.Deffense (BE)
				M.C. Kapseu (CM)
				M. A.J. Dijkstra (NL)
				Mme C. Jacobsen (DA)
				M.N. Bazan (US)
				M. Uwe T. Bornscheuer (DEU)
				M. J. Harwood (UK)
				M. M. A. Crawford (UK)
				M. D. Weitz (USA)

Medal CHEVREUL 2017: Pr Stephen CUNNANE



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Journées CHEVREUL 2007
Lipids and Brain: PUFA Metabolism, Function and Protection Against Diseases
 AFEGC and DGF Joint Meeting Paris (FIAP Jean Monnet) 13 & 14 March 2007

Scientific committee
 Dr Bernadette Delplanque, Dr Philippe Guesnet, Pr Michel Parmentier, Pr Warner D. Richter, Pr Friedrich Spener

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

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


- What possible roles can be presently attributed to n-3 PUFA in early life development, psycho-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 heart and its interplay and regulation by the diet.

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

We look forward to welcoming you in Paris.



Medaille 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


Journées CHEVREUL 2011
LIPIDS & BRAIN 2
 Paris (FIAP Jean Monnet)
 Monday 28 to Wednesday 30 March 2011

Scientific Committee
 Bernadette Delplanque, Philippe Guesnet, Havard Bentsen, Jean Marc Alessandri, Nicole Pages, Pierre Astorg

The French Society for the Study of Lipids (SFEL, ex AFEGC) is pleased to invite you to participate to the Journées Chevreul 2011 Lipids & Brain which will be held in Paris. This meeting is a follow-up to previous successful conferences held in Paris in 2007 (Journées Chevreul Lipids & Brain) and in Oslo in 2008 (the Brain Lipids Conference). It will be devoted to both fundamental and applied research on the metabolism and the biological effects of polyunsaturated fatty acids (PUFA) within the central nervous system and will address their bearing on brain health and disease.

There is a growing interest in omega-3 PUFA, the precursor (ALA: AlphaLinolenic Acid) or the Long-chains (LCn-3), since we know that docosahexaenoic acid (DHA, 22:6n3), the longest and most unsaturated fatty acid found in nervous membranes, is involved in the maintenance of normal neurophysiological function. Challenges in this field of research are depicting the different cellular processes modulated by DHA during growth and ageing (synaptogenesis, neurogenesis, neuronal apoptosis and inflammation) and to investigate the involved mechanisms. They are also understanding the mechanisms of control of PUFA metabolism in the brain and at the blood-brain barrier level. Many clinical and epidemiological studies have been conducted to assess the implications of the intake of omega-3 PUFA, (precursor or LCn-3), during pregnancy and lactation (maternal nutrition) on brain infant development and its impact on the metabolism during childhood. Moreover the potential roles of DHA and eicosapentaenoic acid (EPA, 20:5n3) in the management of depression and age related neural diseases including pathologies of the retina have been the topic of several studies.

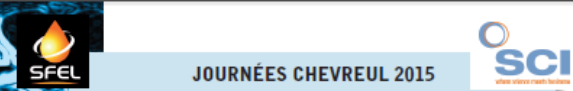
The next Journées Chevreul 2011 Lipids & Brain in Paris will provide an opportunity to extend our understanding on these fields of research and on the relationship between nutrition, PUFA and central nervous system functions. They will honor Professor Nicolas Bazan from the LSU Neuroscience Center of Excellence (New Orleans) for his research conducted on DHA and the Neuroprotectin D1 and their roles in many neurological diseases such as Alzheimer disease and Stroke. We look forward to welcoming you to this exciting meeting.



MEDAILLE CHEVREUL:
 Pr Nicolas BAZAN

SFEL is a member of **Euro Fed Lipid**

SFEL is still www.afegc.org
 Mail to afegc@fnoc.fr or bernadette.delplanque@u-psud.fr



JOURNÉES CHEVREUL 2015
LIPIDS & BRAIN 3
 Paris (FIAP Jean Monnet)
 Monday 16th to Wednesday 18th March 2015

Scientific Committee
 Bernadette DELPLANQUE, Philippe GUESNET, Rob WINWOOD, Pascale BARBERGER-GATEAU, Michel LINDER, Claire BOURLIEU

The French Society for the Study of Lipids (SFEL) and SCI are pleased to invite you to participate in the Journées Chevreul Lipids & Brain III 2015 conference which will be held in Paris on 16-18 March, 2015, at FIAP Jean Monnet.

Since 2007, the SFEL organizes this research conference every 4 years which, over a period of 3 days, examines the latest findings in this field of research within a framework of human health and nutrition.

This Lipids & Brain III 2015 conference follows on from the success of the previous conferences of 2007 and 2011 held in Paris, which have hosted more than 200 participants from more than twenty countries.

At those conferences, two outstanding scientists were honored with the French CHEVREUL Medal for their pioneering research: Dr Stanley I. RAPOPORT (Bethesda, USA) and Pr Nicolas G. BAZAN (New Orleans, USA).


The Lipids & Brain III 2015 Conference will bring together leading researchers to present the latest findings into both fundamental and applied research on the metabolism and the biological effects of polyunsaturated fatty acids (PUFAs) within the brain and the retina, but also others specific fatty acids and structured lipids.

Recent advances on the metabolism and bioactivity of long-chain PUFAs in the central nervous system, particularly that of docosahexaenoic acid (DHA), will be examined during development and ageing. The action of PUFAs on infant development, as well as that of long-chain monounsaturated fatty acids and lipid microemulsions, will also be addressed. Three specific sessions will be devoted to the latest insights into brain (ischemia and Alzheimer's disease), neuropsychiatric disorders and eye diseases.

The conference will end with recommendations for brain and eye nutrition and a session on emerging areas of research. The conference format is once again explicitly designed to promote discussion and interaction between participants and speakers.

The next Journées Chevreul 2015 Lipids & Brain III Conference will provide an opportunity to extend our knowledge in these fields of research and on the relationship between nutrition, fatty acids, lipids and central nervous system function during development and ageing. Professor Michael Angus CRAWFORD from Imperial College (London, UK) will be honoured for his research on DHA metabolism, neurosignaling and human brain evolution. Professor CRAWFORD is one of the pioneer researchers who was actively involved in the discovery of the essentiality of omega-3 fatty acids, and the presence and the functions of DHA in brain membranes.

We look forward to welcoming you to this exciting conference in Paris next spring.



CHEVREUL MEDAL
Pr. Michael A. CRAWFORD
 Past, Present And Future:
 The Extreme Conservation Of Neurosignaling
 And The Cost Of Mental Ill-Health

SFEL and SCI are members of **Euro Fed Lipid**



Société Française pour l'Etude des Lipides
 A non-governmental, non-profit scientific society founded in 1943
Organizing Committee: Dr Philippe Guesnet, Pr Elmira Arab-Tehrany, Dr Bernadette Delplanque, Dr Claire Bourlieu, Dr Ali Tamayol, Dr Jean-Luc Olivier, Pr Michel Linder (President of SFEL)



Université de Lorraine – ENSAIA 2, avenue de la Forêt de Haye TSA 40602 54518 – VANDOEUVRE CEDEX

<https://lipidsandbrain.event.univ-lorraine.fr/>



JOURNEES CHEVREUL 2017

LIPIDS & BRAIN IV: LIPIDS IN ALZHEIMER DISEASE

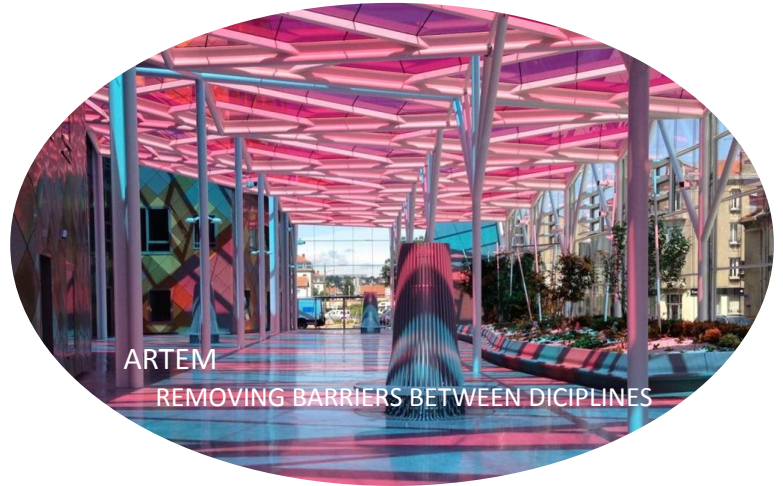
Sunday 8th to Wednesday 11th October 2017



LA PLACE STANISLAS
A UNESCO World Heritage Site



THE SCHOOL OF NANCY
AN ALLIANCE OF ART AND INDUSTRY



ARTEM
REMOVING BARRIERS BETWEEN DISCIPLINES



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**Gala Dinner on Tuesday 10
 October 2017**
 at the former hall of Nancy



Meals will be taken every lunchtime at
 the restaurant “Hippodrome”
 (Monday, Tuesday and Wednesday)



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UNIVERSITÉ
DE LORRAINE

Save the date !!



After the success of the Journées Chevreul Lipids & Brain held in Paris (2007, 2011, 2015), we are honored to welcome to the JOURNEES CHEVREUL 2017 in Nancy, FRANCE



LIPIDS & BRAIN IV: LIPIDS IN ALZHEIMER DISEASE

Sunday 8th to Wednesday 11th October 2017

This congress will give you the opportunity to discuss and exchange with clinicians, researchers and representatives of pharmaceutical and food industry from Europe and Worldwide.

We will address some emerging scientific issues:

❖ **Physiopathology, epidemiology and drug therapy**

Pathophysiology and drug therapy, mechanisms, main risk factors, insulin signalling and diabetes, blood biomarkers

❖ **Interaction with lipid metabolism**

ApoE and DHA homeostasis, blood lipids biomarkers, lipid regulator, lipid metabolism in animal models, neuroinflammation, cholesterol metabolism

❖ **Impact of omega3 fatty acids and lipid nutrition**

Long-chain omega3 fatty acids (mechanisms, active metabolites, clinical studies) and fat-soluble vitamins

❖ **PUFA and vectorisation in the Brain**

Mechanisms of transport, based drug delivery systems, active nanoliposome, brain-on-a-chip microfluidic device



MEDAL CHEVREUL

Pr Stephen C. CUNNANE, Research Center on Aging, Sherbrooke (Canada)
"Medium Chain Triglycerides, Ketones and Brain Fuel Supply - Implications for Cognitive Health during Aging and the Treatment of Alzheimer's Disease"

Organizing Committee

Dr Philippe Guesnet, Pr Elmira Arab-Tehrany, Dr Bernadette Delplanque,
Dr Claire Bourlieu, Dr Ali Tamayol, Dr Jean-Luc Olivier, Pr Michel Linder

For more informations, please contact:

elmira.arab-tehrany@univ-lorraine.fr; michel.linder@univ-lorraine.fr

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