

# 1<sup>st</sup> International Congress on Alzheimer's Disease and Advanced Neurotechnologies

"A Meeting of the Minds in Monaco"

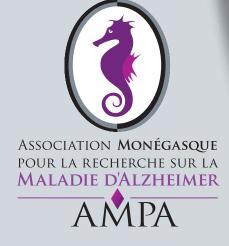
Under the High Patronage of HSH Prince Albert II of Monaco



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February 11<sup>th</sup>-13<sup>th</sup>, 2010 Auditorium Rainier III Principality of Monaco

Preliminary Programme





## **HSH Prince Albert II of Monaco**



I am very pleased that the Monegasque Association for research on Alzheimer's disease, AMPA, benefits from renewed momentum thanks to Catherine Pastor and Professor Alain Pesce.

The rising incidence of this pathology, one of the drawbacks of the longer human lifespan, calls for the development of research in the field.

The Monegasque Association for research on Alzheimer's disease has set the objective, in particular, of bringing together international researchers for top-level meetings.

I can only encourage its members in this enterprise.

Alzheimer's disease is a very painful ordeal for patients confronted with their gradual loss of orientation and autonomy. It is also heartbreaking for the families and friends of those stricken with this scourge.

I would like to congratulate the members of the Association who are launching into this generous combat. I formulate the wish that the meetings organized to fight this disease may help achieve further progress and that, by making the illness regress, they can restore a taste for life in patients struck by this pathology and their loved ones.

## **Letter from the President**



Despite the billions of dollars spent annually to cure this disease, Alzheimer's claims over 1 in 10 people over the age of 65 and represents a growing threat in the backdrop of an aging population. In fact, it is expected to claim over half of the people over 85 in coming years. Coincidentally, the past twenty years have seen substantial advances in the Neurosciences and allied fields. These major contributions, from the discovery of human stem cells in areas affected by Alzheimer's to the sequencing of the Human Genome, have given rise to new tools, which are ripe for applications to the field of Alzheimer's. It is high time to introduce researchers responsible for these findings to the Alzheimer's community.

In this spirit, we have convened some of the world's most daring and innovative researchers to share their insights in the form of an international summit with

Alzheimer's as a leitmotiv, held in the Principality of Monaco in February 2010.

I am grateful to Prince Albert II of Monaco, Madame Catherine Pastor of AMPA and First Lady Bernadette Chirac for the invitation to create this event and for recognizing the need to develop completely novel strategies against Alzheimer's growing menace. Our "Meeting of the Minds" will be an interactive, interdisciplinary and international event at the forefront of academic, governmental and industrial research with speakers representing a confluence of fields including Stem Cell Research, Neurobiology, Artificial Intelligence, and Telemedicine.

I look forward to welcoming you next February, for a truly world-class and unforgettable event. Sincerely,

Dr. Philip Low

Founder, Chairman & CEO, NeuroVigil, Inc. Adjunct Professor, Stanford School of Medicine Visiting Professor, Massachusetts Institute of Technology

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## Letter from the President of AMPA



Faced with the increase and concern for Alzheimer's disease on both an international and governmental level, our Monegasque Association AMPA, is pleased to present its 1st International Congress «A Meeting of the Minds» uniting the greatest specialists in this field, under the combined sponsorship of Neurovigil and AMPA and the dynamic leadership of Professor Philip Low, Stanford and MIT Neuroscientist, Founder, Chairman and CEO of Neurovigil and member of AMPA's Scientific Committee. The Principality of Monaco and AMPA are grateful to Neurovigil and Professor Philip Low who has volunteered his time, expertise and Neurovigil's award-winning resources, to rally the world-class experts and leaders in Neurotechnology and neurodegenerative diseases in Monaco.

The Principality of Monaco is a real haven of knowledge hosting a number of international medical and scientific congresses and is proud to launch its pilot centre for Alzheimer patients in 2011, under the management Professor Alain Pesce, Vice-president of our Association. We hope for a great turnout, thank you for your participation and support.

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Madame Catherine Pastor,

President, AMPA

### **About us**



AMPA traces its roots back to an initiative undertaken by Michel Pastor and Dr. Michel-Yves Mourou in 1990. Today marks a fresh start, a start justified by the significance of Alzheimer's disease as a public health issue. There is still no cure for this disease. Nevertheless, researchers have made considerable advances in understanding the mechanisms of the disease and new avenues are being explored to delay or prevent its onset. New treatment and counselling

centres are being opened in Monaco, in keeping with the population's health needs.

This is why the mission of AMPA, now known as "Association for Alzheimer's Disease Research", is to fund research and provide support for patients and their families. It aims to encourage innovative research and treatment programmes in Monaco and elsewhere.

The association's leadership is comprised of:

President: Ms. Catherine Pastor

**Vice–President**: Professor Alain Pesce, Department Head at the Princess Grace Hospital Centre (CHPG) **Secretary General:** Dr. Sandrine Louchart de la Chapelle, Alzheimer's Disease Specialist at the Princess

Grace Hospital Centre (CHPG)

Communication: Ms. Chantal Ravera

Treasurer: Stéphane Truchi

**Scientific Committee** led by Professor Philip Low

The organisation of an international conference of researchers in Monaco in February 2010 will serve as a launching pad for actions to promote research. AMPA also seeks to provide financial support to high-level fundamental and clinical research initiatives selected through calls for proposals to be submitted to its Scientific Committee and approved by the board of directors. Our actions also aim to improve the quality of life of patients and their families, which includes increased public awareness.

# **Programme overview**

## Thursday, February 11th, 2010

17:00 -17:30	Opening Ceremony (Philip Low - President)					
17:30 - 19:00	What Do We Know About Alzheimer's Disease?					
17:30 -18:00	100 Years of Alzheimer Research					
	Paul Aisen					
	Director, Alzheimer's Disease Cooperative Study (ADCS) Professor, UCSD Medical School					
18:00 - 18:30	Mechanisms Underlying Neuronal Injury and Degeneration					
	Peter St. George-Hyslop					
	Director, Center for Research in Neurodegenerative Disease, University of Toronto Howard Hughes Medical Institute					
18:30 - 19:00	The Amyloid Hypothesis					
	Frederic Checler					
	Research Director INSERM					
	Institut de Pharmacologie Moléculaire et Cellulaire - Valbonne					
19:00	Welcome Cocktail					

## Friday, February 12th, 2010

09:00 - 10:30	Advances in Biomarkers and Modeling for the Development of Improved Therapeutics					
09:00 - 09:30	Biomarkers and Alzheimer's					
	Gabriel Vargas					
	Head of the CNS Clinical Biomarker Group, Roche					
09:30 - 10:00	Early Alzheimer's Treatment					
	Eric Siemers					
	Medical Director, Alzheimer's Disease Team, Eli Lilly					
10:00 - 10:30	TBA					
	Husseini Manji					
	Vice President, CNS & Pain, Johnson & Johnson					
	Pharmaceutical Research and Development					
10:30 - 11:00	Coffee Break					

11:00 - 13:00	Creating New Institutions to Enable New Technologies  Drugs for AD. Is the Single Target-based Approach Going to Work?  Dave Schubert  Head, Cellular Neurobiology Lab  The Salk Institute for Biological Studies					
11:00 - 11:30						
11:30 - 12:00	Thinking Differently about Alzheimer's Patient Care Teri Louden President, The Louden Network					
12:00 - 12:30	NeuroVigil: Sleep as a Gateway into the Brain Philip Low Founder, Chairman, CEO, NeuroVigil Adjunct Professor, Stanford School of Medicine Visiting Professor, MIT Media Lab Research Affiliate, Salk Institute					
12:30 - 13:00	A New Alzheimer's Foundation Linda Avey Co-Founder, 23andMe					
13:00 - 14:00	Lunch					
14:00 - 15:30	Wireless Portable Monitoring and Healthcare					
14:00 - 14:30	The Wireless Health Revolution  Don Jones  Vice President, Health and Life Sciences  QUALCOMM					
14:30 - 15:00	Non-Contact Sensors Technology Gert Cauwenberghs Professor of Bioengineering, UCSD Co-Director, Institute for Neural Computation					
15:00 - 15:30	From the Clinic to the Home TBA					
15:30 - 15:40	Coffee Break					
15:40 - 16:10	A Multidisciplinary Approach for Alzheimer's Research Roger Nitsch HDirector, Division of Psychiatry Research, University of Zurich					
16:10 - 16:40	New Criteria for Alzheimer's Disease & Ongoing Validation Bruno Dubois Director, Center for Cognitive and Behavioral Diseases Director, INSERM U610, Hôpital La Salpêtrière					
16:40 - 17:10	The French Alzheimer's Plan Florence Lustman Head of France's Alzheimer's Programme					

17:10 - 18:10	Panel Discussion on Patient Rights and Patient Awareness					
	Participants:					
	- Paul Aisen Director, Alzheimer's Disease Cooperative Study (ADCS) Professor, UCSD Medical School, USA					
	- Sonia Ancoli-Israel Professor, UCSD Medical School, USA					
	- Bruno Dubois  Chief Department of Cognitive Neurology  Director, INSERM, Salpetriere Hospital					
	- Roger Nitsch Director, Division of Psychiatry Research, University of Zurich					
	- Alain Pesce Centre Hospitalier Princesse Grace - Monaco					
	- Jean-Paul Spire  Professor Emeritus in the Departments of Neurology and Surgery,  University of Chicago, USA					
	- Bruno Vellas Professor, Dept. of Geriatric Medicine, University of Toulouse, France					
20:30	Dinner Hotel Fairmont Monte Carlo					

## Saturday, February 13<sup>th</sup>, 2010

09:00 - 11:00	Sleep Disorders, a Major Cause of Hospitalization					
09:00 - 09:30	Altered Sleep Patterns and Insomnia in Alzheimer's					
	Sonia Ancoli-Israel					
	Director, Gillin Sleep and Chronobiology Research Center Professor,					
	UCSD Medical School					
09:30 - 10:00	Orexins: A Link Between Insomnia and Alzheimer's?					
	Jae-Eun Kang					
	Washington University, St-Louis					
10:00 - 10:30	Enabling Systematic Neuroscience with Novel Optical Neural					
	Control Strategies					
	Ed Boyden					
	Co-Director, MIT Media Lab Center for Human Augmentation MIT Media Lab,					
	McGovern Inst. for Brain Research, MIT Picower Institute for Learning and Memory					
10:30 - 11:00	Optical Neural Control of Sleep and Orexins in Alzheimer's					
	Luis de Lecea					
	Professor, Psychiatry and Behavioral Sciences, Stanford School of Medicine					
11:00 - 11:30	Coffee Break					

<b>11:30 - 13:30</b> <i>11:30 - 12:00</i>	Early Disease Onset and Prevention  Molecular Imaging in Early Detection of Alzheimer's Disease Jorge Barrio  Chair in Gerontology					
	David Geffen UCLA School of Medicine					
12:00 - 12:30	Prevention and Clinical Trials Sandrine Andrieu Professor, Department of Epidemiology, University of Toulouse					
12:30 - 13:00	New Technologies to Assess Cognition at Home  Jeffrey Kaye  Director, Layton Aging & Alzheimer's Disease Center, Oregon Health & Science University					
13:00 - 14:00	Lunch					
14:00 - 14:30	Nutrition & Disease Management David Perlmutter Director, Perlmutter Health Center					
14:30 - 15:00	Diabetes: A Strong Risk Factor for Alzheimer's Pamela Maher Michael J. Fox Foundation Award Recipient, Cellular Neurbiology Lab, Salk Institute					
15:00 - 15:30	Endgame: the Late Disease Onset Ugo Lucca Head of Laboratory of Geriatric Neuropsychiatry Institute of Pharmacological Research Mario Negri					
15:30 - 15:40	Coffee Break					
15:40 - 17:40	Workshop: Governmental and Private Initiatives					
15:40 - 16:20	Panel Discussion: Future of Alzheimer's All speakers					
16:20 - 17:00	The European, American and International Collaborations Participants:  - Paul Aisen Director, Alzheimer's Disease Cooperative Study (ADCS) Professor, UCSD Medical School, USA - Bruno Vellas Principal Investigator, European Alzheimer's Disease Consortium (EADC) - Michael Weiner Principal Investigator, Alzheimer's Disease Neuroimaging Initiative (ADNI) University of California San Francisco (UCSF)					
17:00 - 17:40	Last But Not Least: The Highly Important Role of Foundations and Philanthropy in Medical Research Participants:  - Bernadette Chirac President, Fondation Claude Pompidou  - Catherine Pastor President, AMPA  - Jean Spiri Advisor of the French Minister for the Elderly  - Manuela Consensi-Dini Vice-President, Associazione Amici «Centro Dino Ferrari»  - Linda Avey Co-Founder, 23andMe					
	End of Meeting					

#### **Congress Venue**

#### **Auditorium Rainier III**

Boulevard Louis II - 98000 MONACO

# Accreditation have been requested for the Congress

FMC (Formation Médicale Continue)

#### Website

www.meetingoftheminds2010.com

#### Date to remember

**Abstracts:** 31st December 2009 **Registration:** 31st December 2009

#### **Transports**

Special agreements for transportation have been finalized with:

## **Travelling by plane**

#### Air France and KLM global meetings





Event: 1st International Congress on Alzheimer's Disease and Advanced Neurotechnologies Event ID: 07444AF

Valid for travel from 05/02/2010 to 18/02/2010

Event location: Monte-Carlo, Principality of Monaco

Discounts are applied to a wide range of airfares on all Air France and KLM flights worldwide, if passengers are travelling on the following classes of travel:

Espace Affaires (Business) and Economique (Coach).

-10% rebate is applied on published non-restrictive public fares. A reduction of -5% is granted on restrictive-discounted fares.

Use the website of this event or visit www.airfranceklm-globalmeetings.com to access:

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To locate your nearest Air France and KLM sales point, visit www.airfrance.com
You will need to quote the reference given above which is registered in
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## **Travelling by train**

#### **Reduction SNCF**



A 20% reduction on the SNCF base prices of all the railway network lines, in both first or second class: either the normal level 1 price for TGV (high speed trains) and the non-reservation price and supplement price for other trains.

The ticket is valid for a duration of **15 days**, including at least one day of the Symposium.

The discount voucher will be given to you upon request to the Publi Creations Organizing Secretariat.

This voucher must be hole-punched and presented with the train ticket during ticket verification.





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# REGISTRATION **FORM**

#### Please write in CAPITAL LETTERS (send back to + 377 97 97 35 50)

Please kindly note that you can register also on line: visit the following website

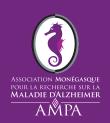
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STUDENTS				€7	0		€ 70	€ 70
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According to the law dated December 23, 1993, you shall have a right of access and correction of your personal data.

Any requests can be addressed to PUBLI CREATIONS SAM - 74, Bd. d'Italie - 98000 Montecarlo, MC Monaco. I authorize the treatment and communication of my personal data as described above.







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# HOTEL ACCOMMODATION FORM

Please write in CAPITA	AL LETTERS	(send back to +	377 97 97 35 50)
Surname		Name	
Institution			
Invoicing Address			
Zip code City		Cour	ntry
Phone	Fax		
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Date of arrival	Date	of departure	
Hotel preferred	Type of room		Num. of Person(s)
Special request	71		
♦ HOTELS	Single room	<b>Double room</b>	<b>Double room</b> Registration after December 31st, 2009
Hôtel Fairmont ****L	€ 195	€ 195	€ 220
Hôtel Hermitage ****L	€ 195	€ 195	€ 220
Hôtel Novotel ***	€ 175	€ 175	€ 200
The above rates are in Euro, per room and If you register by December 31st, 2009 the occupancy (continental breakfast included	congress will provi		
Deposit (equal to the price of the ent	ire lenght of stay)	To	otal €
Cancellations after November 30th, 2009 and for	no-shows, you will be o	charged 100% of the roo	om rate for the entire lengtht of stay
♦ I WISH TO PAY BY:			
Payment should be stated to <b>PUBLI CREATIC</b> Card holder (Surname & First Name)		/EUROCARD (E)  O (Please join a copy o	AMERICAN EXPRESS foredit card)
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Rate per night  Number of nights booked  Total booking cost  Reservation fee per room + € 20  GRAND TOTAL BOOKING €  I allow to charge my credit cards for the payment of the deposit and all possible cancellation.  Date Signature	AUTHORIZAT AIM Group, as provide, or any d to the Congress activities organiz mean any operat or automated me data. The PUBL of its associates te to clients, data pe to scientific associates te functions compat your personal da According to the of your personal	ION OF PERSONAL Dadata controller and/or protest and/or to provide you we de by PUBLI CREATION ion, or set of operations, cans, and must guarantee I CREATIONS SAM as a carry out any of the follor occessing and computer-baciations, relative public or diaries, as well as companious with the purposes for we tail so voluntary, but refusal law dated December 23, 19 data. Any requests can	ATA - PUBLI CREATIONS SAM - Partner of poessor, informs you that any personal data you are so, will be used in connection to your participation ith information regarding any other compatible NS SAM or by its partners. Data treatment shall earried out with or without the help of electronic the confidentiality and security of your personal data controller and/or processor may avail itself wing procedures: press releases, communications sed consultation. The data can be communicated private agencies related to CME, financial and est participating in the Congress with promotional which the data has been collected. The provision of will prevent your participation in the Congress. 193, you shall have a right of access and correction be addressed to PUBLI CREATIONS SAM, aco. I authorize the treatment and communication.

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#### **Scientific Committee**

#### **President**

Dr. Philip Low (NeuroVigil, Stanford, MIT)

#### **Current Members**

Dr. Sonia Ancoli-Israel (UCSD)

Dr. Paul Aisen (ADCS)

Dr. Jean-Marc Egly (INSERM)

Dr. Luca Finelli (Novartis)

Dr. Emmanuel Mignot (Stanford)

Dr. Frank Moss (MIT)

Dr. Jean-Paul Spire (University of Chicago)

Dr. Bruno Vellas (EADC)

### **Local Organizing Committee**

M<sup>me</sup> Catherine Pastor (President of AMPA)

# **Organizing Secretariat**



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