



BIOMAG2010 PROGRAM

17th International Conference on Biomagnetism

March 28 - April 1, 2010

Satellite events

March 27-28, 2010

Venue:

Rixos Libertas Hotel
Dubrovnik, Croatia

www.biomag2010.org



Biomag 2010

YOKOGAWA ◆

MEG vision
Powerful Solution
for Advanced Clinical and Research Applications



PQ1160C Magnetoencephalograph System

Our MEG system is designed to measure the extremely weak magnetic fields generated by the brain. The system delivers stable and highly accurate magnetoencephalographic measurement and data analysis - even in urban sites with high levels of ambient magnetic noise. YOKOGAWA's MEG system offers a powerful tool for clinicians and researchers to analyze the neurophysiologic activities of the brain.

- ◆ **High Performance**
- ◆ **Advanced Functionality**
- ◆ **User Friendly**

Yokogawa Electric Corporation

MEG Gr. Bio Analytical Center, C&M HQ

Tel: +81-422-52-8062, Fax: +81-422-52-8016

E-mail: meg_sales@cs.jp.yokogawa.com

www.yokogawa.com



Biomag 2010

17th International Conference on Biomagnetism
www.biomag2010.org

WELCOME

40th anniversary of “medical uses of SQUID”

It is my great pleasure and honor to invite you to the 17th *International Conference on Biomagnetism – Biomag2010* to be held in Dubrovnik, Croatia from Sunday, March 28 through Thursday, April 1, 2010.

The interdisciplinary field of biomagnetism includes dynamic and evolving SQUID-based technologies offering advanced real-time methods for noninvasive assessments of magnetic signals from the brain, heart and other organs as well as a range of modeling, mathematical and computational methods for functional source localization approaches. Excellent spatial resolution and unique, millisecond, temporal resolution of biomagnetic techniques allow insights into cortical neurodynamics and neurobiological basis of the human brain as well as assessment of heart and other organs functions in health and disease. Biomag2010 will be a great opportunity for an exchange of ideas and presentation of the latest developments in instrumentation, modeling approaches, basic and clinical biomedical studies. We are particularly proud to announce the celebration of the 40th anniversary of the first SQUID-based MCG measurements published on April 1, 1970. Since then “medical uses of SQUID” were dynamic and growing, including the most recent developments, in combination with a low field MRI, toward a “direct neuronal imaging”. Dubrovnik, the host city of the Biomag2010, a jewel on the Adriatic, will be a superb and stimulating setting for both scientific and social aspects of this meeting.

I am looking forward to hosting you in Dubrovnik, Croatia in spring of 2010.

Selma Supek, Conference Chair

TABLE OF CONTENTS

FUTURE MEETING – Biomag2012	3
ORGANIZERS	4
SPONSORS AND ENDORSERS	7
EXHIBITORS	8
VENUE	10
CONGRESS FLOOR PLAN	10
GENERAL INFORMATION	12
EVENTS IN DUBROVNIK	14
BIOMAG2010 SOCIAL PROGRAM	14
BIOMAG2010 BOOK OF ABSTRACTS	15
PROGRAM SCHEDULE AT A GLANCE	18
SATELLITE EVENTS	20
SATELLIE EVENTS Program Schedule	21
ORAL SESSIONS	28
BIOMAG2010 PROGRAM SCHEDULE	30
POSTER SESSIONS	38
POSTER SESSIONS ASSIGNEMENTS	41
POSTER SESSIONS LISTING	42
MONDAY	42
TUESDAY	60
WEDNESDAY	77
AUTHOR INDEX	94
NOTES	106
BIOMAG2010 – CONTACT ADDRESSES	121

FUTURE MEETING

18th International Conference on Biomagnetism

BIOMAG2012

August 26-30, 2012

Paris, France

Conference Chairs:

Olivier Bertrand

Catherine Tallon-Baudry

BIOMAG 2010 ORGANIZERS

Conference Chair

Selma Supek

Secretary General

Ana Sušac

International Advisory Board

Shinya Kuriki, Chair (Japan)

Kazuhiko Atsumi (Japan)

Douglas Cheyne (Canada)

David Cohen (USA)

Luder Decke (Austria)

Sergio Erne (Germany)

Eric Halgren (USA)

Jens Haueisen (Germany)

Toivo Katila (Finland)

Makoto Kotani (Japan)

Gian Luca Romani (Italy)

Selma Supek (Croatia)

Shoogo Ueno (Japan)

Harold Weinberg (Canada)

Chris Wood (USA)

Scientific Program Committee

Selma Supek, Chair (Croatia)

Jens Haueisen, Co-Chair (Germany)

Robert Kraus, Co-Chair (USA)

Cheryl J. Aine (USA)

Sylvain Baillet (USA)

Susan Bowyer (USA)

Line Garnerot[†] (France)

Matti Hämmäläinen (USA)

Riitta Hari (Finland)

Risto Ilmoniemi (Finland)

Ole Jensen (The Netherlands)

Shinya Kuriki (Japan)

Sari Levänen (USA)

Markku Mäkijärvi (Finland)

Ksenija Marinkovic (USA)

Maria Mody (USA)

Nobukazu Nakasato (Japan)

Yoshio Okada (USA)

Christo Pantev (Germany)

Andrew Papanicolaou (USA)

Gian Luca Romani (Italy)

Kensuke Sekihara (Japan)

Yoshinori Uchikawa (Japan)

Peter Van Leeuwen (Germany)

Fellowship and Awards Committee

Maria Mody, Chair (USA)

Hal Weinberg (Canada)

Sylvain Baillet (USA)

Local Organizing Committee

Sanja Josef-Golubić, Chair

Hrvoje Hećimović

Ana Jerončić

Veljko Grilj

Ratko Magjarević

Željka Marinić

Marko Miljević

Sandra Požar

Ana Sušac

Iva Šarić

Darko Trogrlić

Luka Celić

Marko Banušić, IT Team Lead

Branko Đurđević, IT Manager

Ivan Gladović, IT Manager

Lana Jankovic, Photografer

Mia Vučić, Visual identity



National MEG Initiative Board – CroMEGIn

Anto Bagić, Coordinator (USA)

Igor Antončić (Rijeka)

Vedran Deletis (Split)

Vida Demarin (Zagreb)

Dražen Domijan (Rijeka)

Sanja Hajnšek (Zagreb)

Hrvoje Hećimović (Zagreb)

Ivica Kostović (Zagreb)

Ratko Magjarević (Zagreb)

Joško Paladino (Zagreb)

Selma Supek (Zagreb)

Dinko Štimac (Osijek)

Organizer

University of Zagreb, Faculty of Science, Department of Physics

SPONSORS

Croatian Ministry of Science and Technology

www.mzos.hr

Department of Physics, Faculty of Science, Univ. of Zagreb

www.phy.hr

Croatian National Tourist Board

www.croatia.hr

Dubrovnik Tourist Board

www.tzdubrovnik.hr

Bull, Architect of an Open World (TM)

www.bull.com

Hypo Alpe-Adria-Bank d.d.

www.hypo-alpe-adria.hr

Školska knjiga

www.skolskaknjiga.hr

Endorsed by

Croatian Biophysical Society

Croatian Cardiac Society

International Federation for Medical and Biological Engineering

Croatian Institute for Brain Research

Croatian Neurological Society

Croatian Physical Society

Croatian Society for Medical and Biological Engineering

Croatian Society for Neuroscience

Zagreb Epilepsy Center

EXHIBITORS

- Lobby – 1 Ms. Riitta Pietilä
Marketing Manager, MEG
Elekta Oy
Siltasaarenkatu 18-20, FI 00530 Helsinki
Finland
tel. +358 9 756 240 00
tel. +358 9 756 240 22 (direct)
fax +358 9 756 240 11
Riitta.Pietila@elekta.com
www.elekta.com
- Lobby – 2 CEOs: Dr. Michael Scherg, Theodor Scherg
MEGIS Software GmbH
Freihamer Str. 18
82166 Gräfelfing/Germany
Phone: +49 89 9901 8899
Fax: +49 89 8990 9967
Email: tscherg@besa.de
www.besa.de
- Lobby – 3 **Compumedics** Germany Branch Office
Heussweb 25
20255 Hamburg, Germany
Tel. 0049 7731 79769 0
Fax 0049 7731 79769 99
www.compumedics.com

***Compumedics Neuroscan** produces world-leading solutions for Neuroscience and Brain Research. Compumedics is expanding our clinical expertise in Sleep diagnostics, EEG and ambulatory monitoring with our new Neuvo EEG/LTM system. Neuroscan concentrates in advanced solutions for research applications with products including SCAN, SOURCE and CURRY software plus SynAmps2 and MagLink hardware packages.*

- Lobby – 4 William C. Schmidt, Ph.D.
Research Support Specialist
SR Research Limited
5516 Osgoode Main St.
Ottawa, ON Canada K0A 2W0
Toll Free: 1-866-821-0731
Phone: 613-826-2958
Fax: 613-482-4866
Email: billy@sr-research.com
www.sr-research.com

SR Research manufactures the EyeLink series of high precision eye movement monitors. The fiber optic EyeLink 1000 is the newest addition, capable of under one-half degree average accuracy with a resolution of 1/100th of a degree! Ferromagnetically optimized for low interference recording in MEG and MRI, even at 2000 Hz.

Congress level **Springer and IFBME**
Dr. Christoph Baumann
Springer, Engineering Editor
Tiergartenstr. 17
69121 Heidelberg
Germany
Phone: +49 6221 4878730
Fax: +49 6221 48768730
Email: Christoph.Baumann@springer.com
<http://www.springer.com/series/7403>

On-line access to the Biomag2010 Proceedings

STAR ALLIANCE
THE WAY THE EARTH CONNECTS



SAVE UP TO 20% ON TRAVEL WITH THE STAR ALLIANCE NETWORK

The Star Alliance™ Members Airlines are pleased to be appointed as the Official Airline Network for

17th International Conference on Biomagnetism – BIOMAG 2010.

To obtain the Star Alliance™ Conventions Plus discounts, please call the reservation office of a participating Star Alliance Member Airline and quote the following Convention Code **LHO2S10**.

Registered participants plus one accompanying person travelling to the event are automatically granted a discount of up to 20%, depending on fare and class of travel booked.

The participating airlines for this event are: ANA, Air Canada, Air China, Asian Airlines, Austrian Airlines, LOT Polish Airlines, Lufthansa, SWISS International Air Lines, Scandinavian Airlines, Spanair, TAP Portugal, Turkish Airlines, US Airways, United, Croatia Airlines

For booking office information please visit:

www.staralliance.com/conventionsplus

Discounts are offered on published business and economy class fares, excluding website/internet fares, senior and youth fares, group fares and Round the World fares.

Please note: For travel from Japan and New Zealand special fares or discounts are offered by the participating airlines on their own network.

When making your travel plans please present confirmation of your registration or proof of attendance.

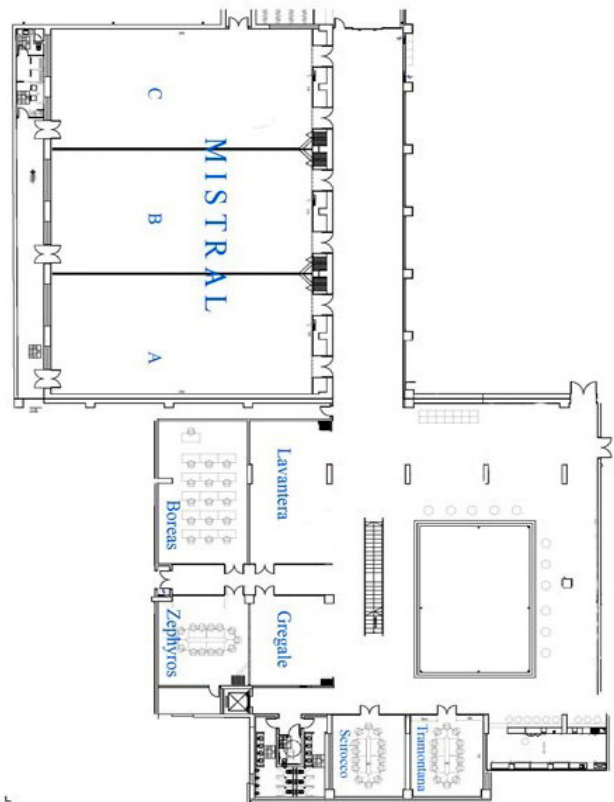
VENUE

Rixos Libertas Dubrovnik
Liechtensteinov put 3
20 000 Dubrovnik, Croatia
Tel. +385 20 200 000, Fax: +385 20 200 020
Web: www.rixos.com

Lunch options

Buffet lunch will be offered at Mozaik restaurant at 15EUR.
Check Changa for other light/fast lunch options

Congress level floor plan



Rixos Libertas Offers/Activities during Biomag2010

Restaurants/ Bars	Timeframe	Options
<i>Mozaik</i>	06:30-10:30 12:00-15:00 18:00-22:00	Buffet Breakfast, Lunch, Dinner Buffet
<i>Le Select</i>	12:00-15:00 18:00-22:00	Lunch Dinner Tasting and A La Carte Menu
<i>Le Select</i>	19:00-20:00	Ston Oyster tasting, Champagne
<i>Agora Bar</i>	07:00-01:00	Cocktail Bar and Coffee Lounge
<i>Agora Bar</i>	20:30-23:30	Saxophone Dalmatian Klapa Jazz Music Violin Player
<i>Cigar Bar</i>	17:00-19:00	Wine tasting
<i>Changa</i>	11:00-22:00	Sanwiches/Pizza/ Pasta/Burek/ Sweets du Jour
<i>X-treme</i>	22:00-01:00	60's + 70's music James Bond Night Club Music/Belly dancer Club Music DJ & R n B Music

GENERAL INFORMATION

Official Language

The official language of The 17th International Conference on Biomagnetism – BIOMAG 2010 is English.

Certificate of Attendance, ECST and CME Credits

The participants will receive attendance certificates which may, depending on the policy of the study programs, be recognized as part of the curricula required for PhD degrees or bring CME credits.

For this international conference we have requested CME credits from the Croatian Medical Chamber, which sponsors continuing medical education for physicians.

Personal Insurance

The BIOMAG 2010 registration fee does not include any insurance coverage. Participants are responsible for arranging an appropriate insurance on their own. Health and accident insurance is recommended and should be arranged in your country of origin.

Health services

General Hospital Dubrovnik is located in the heart of Dubrovnik City, about ten minutes by car from the Port of Dubrovnik and thirty minutes from the Dubrovnik International Airport. The hospital has 323 beds and more than 700 employees dedicated to provide excellent medical care to the local community and tourists.

A foreign visitor is not obliged to pay for medical services if a social security convention has been signed between Croatia and the visitor's country of origin, i.e., if the visitor possesses a certificate stipulated by such a convention confirming the visitor's right to health care. Persons from countries with which no such a convention has been signed bear the costs of health services rendered personally.

Electricity

Electricity is supplied at 220 V A/C, 50 Hz. Power outlets in Croatia are the continental two-pin type, and a socket adapter may be required.

Tap water

Tap water is potable in all parts of Croatia.

Currency and Exchange Facilities

Official currency of the Republic Croatia is the Croatian kuna (HRK; HRK 1 = 100 lipas). Foreign currencies can be exchanged at bank exchange counters and exchange offices, at post offices and travel agencies, hotels, and airports. Hotels, stores, and restaurants in Croatia accept major

credit cards. Cash can be withdrawn at ATMs in almost all towns, cities and tourist centers.

Tax refund

Tax is refunded to foreign nationals when leaving the country for individual goods purchased in Croatia in excess of HRK 500, upon the presentation of a 'tax refund check' form. This form is provided on request by a sales assistant when making purchases.

Important telephone numbers

International country code for Croatia: +385

The countrywide number for all emergency situations: 112

General information: 981

Weather forecast and road conditions: www.hak.hr

Roadside vehicle assistance: 987

(When calling from abroad or using mobile phone, dial +385 1 987)

Changes

The organizers reserve the right to adjust or change the program as necessary.

EVENTS IN DUBROVNIK

26 March – 5 April
9 am - 6 pm, Sponza Palace
EASTER FAIR

SOCIAL PROGRAM

Free for all Biomag2010 registered participants.

Sunday, March 28, 2010
Welcome Reception and Dinner

Monday, March 29, 2010
“Millennium” Photo in the Old Town

Tuesday, March 30, 2010
Conference Dinner

Monday, March 28, 2010
***Guided Old City tour** - **Free for accompanying persons*
Starting from the Rixos Libertas Hotel at 09:00

Monday, March 28 till Thursday, April 1, 10:00 – 18:00,
Shirocco Hall
DESA – Dubrovnik
www.desa-dubrovnik.hr

Exhibition, Demonstrations, Workshops
Workshop of cooking jam of Dubrovnik sour oranges,
orange peels and almonds crusted in sugar – TBA, in the
afternoon hours

Croatian National Tourist Board *Hospitality desk*
Dubrovnik Tourist Board *Hospitality desk*
Rixos Libertas Hotel *Hospitality desk*

Aragosa Travel Agency *Hospitality desk*
For transfers and optional excursions

Biomag2010 BOOK OF ABSTRACTS



Biomag2010 Book of Abstracts will be published in the on-line Frontiers in Neuroscience Methods, a high quality open access Frontiers in Neuroscience journal series driven by researchers for the purpose of publishing and serving the general needs of the research community.

Publishing in the Frontiers journals allows a free and open-access to the abstracts to any reader, secures permanent archiving, and each abstract is given a unique citation and becomes an official publication registered with CrossRef.

On-line publication date: March 22, 2010

REGISTRATION

The Registration Desk is located at the **Lobby level** and will be open at the following times:

Friday, March 26	17:00 – 20:00
Saturday, March 27	08:00 – 20:00
Sunday, March 28	08:00 – 18:00
Monday, March 29	08:00 – 10:00

Registration kit

Your conference kit contains the following items:
Bag, Program Booklet, Biomag2010 Proceedings DVD,
folder with Springer flyer for printed version of the
Biomag2010 Proceedings at a reduced price of 35 EUR,
Tourist Information, pen.

Badge Identification

An identity badge (in your Conference kit) is required for admission to all Conference activities and must be worn at all times while at the venue Rixos Libertas Hotel.

Badge code:

Biomag2010 Conference Participant - white

Accompanying Person – white with a green bar

Exhibitor – white with a purple bar

A badge with a blue bar and a blue ribbon denotes a staff member, LOC member, hospitality member, any of whom can provide general Biomag2010 information and assistance.

SYMPOSIUM AND WORKSHOPS

S-1: Human Brain Development Symposium

S-2: Studying functional architecture in the working brain

S-3: Cross-frequency coupling of brain oscillations

S-4: MEG in psychiatric and neurologic populations: predicting clinical symptoms and treatment efficacy

S-5: Biomagnetism in fetal and reproductive medicine: Applications and Modelling

S-6: Four decades of SQUIDs in Brain and Heart Research

S-7: Neural Dynamics of Language

S-8: Physiological underpinnings of EEG/MEG signals revealed by invasive recordings in man

S-9: Non-invasive brain computer interfaces: Current development and applications

S-10: Advances in SQUID-based technologies

W-1: Data analysis competition: Connectivity and multivariate classification approaches

W-2: Progress in Clinical Adult MCG

W-3: Standardization of MEG analysis

W-4: Forward modeling in EEG and MEG source analysis

FORUM: Future of Biomagnetism Research: Positive Directions

PROGRAM SCHEDULE AT A GLANCE

	March 27 Saturday	March 28 Sunday		March 29 Monday	
08:00	COST	SATELLITE EVENTS	BIOAMG2010 REGISTRATION	Biomag2010 Registration	
08:30	Registration			Mistral A+B+C IL-3: I. KOSTOVIC	
09:00	COST BM0601: Neurodynamic insight into functional connectivity, cognition and consciousness			Mistral A+B+C	
09:30				S-1	
10:00				Coffee break	
10:30				„Millennium Photo“ in the Old City	
11:00					Tramontana IAB meeting
11:30				POSTER SESSIONS	
12:00				Mistral A+B+C S-2	
12:30				Mistral A+B+C S-3	
13:00				Coffee break	
13:30				Mistral A+B+C IL-4: K. MARINKOVIC	
14:00				Mistral A+B+C	
14:30					
15:00					
15:30					
16:00				POSTER SESSIONS	
16:30				Mistral A+B+C	
17:00					
17:30					
18:00					
18:30				IL-1: M. AKAY	
19:00				IL-2: D. PRELEC	
19:30				Welcome Reception and Dinner	
20:00					
20:30					
21:00					
23:00					

PROGRAM SCHEDULE AT A GLANCE

	March 30 Tuesday		March 31 Wednesday		April 1 Thursday
08:00	Mistral A+B IL-5: K.J.BLINOWSKA		Mistral A+B+C W-3		
08:30					
09:00	Mistral A+B W-1	Mistral C W-2	Mistral A+B+C IL-6: M. HAMALAINEN		Mistral A+B+C IL-7: J.CLARKE
09:30			Mistral A+B+C S-7		
10:00					
10:30	Coffee break & POSTER SESSIONS		Coffee break & POSTER SESSIONS		Mistral A+B+C S-10
11:00					
11:30					
12:00	Lunch & POSTER SESSIONS		Lunch & POSTER SESSIONS		Mistral A+B+C FORUM
12:30					
13:00					
13:30					
14:00					
14:30	Mistral A+B+C S-5		Mistral A+B S-8	Mistral C W-4	CLOSING REMARKS
15:00					
15:30					
16:00	Coffee break				
16:15	Mistral A+B+C Presidential Symposium S-6		Mistral A+B+C S-9		
16:30					
17:00					
17:30	<i>Biomag2010 Business Meeting</i>		<i>ISCAM Business meeting & POSTER SESSIONS</i>		
18:00					
18:30					
19:00					
19:30					
20:00	<i>Conference Dinner and Awards</i>				
20:30					
21:00					
23:00					

SATELLITE EVENTS

Saturday, March 27, 2010

Hall: Mistral A, Lavantera, Boreas, Zephyros

09:00 – 19:00 **NeuroMath COST BM 0601 Workshop:
Neurodynamic insight into functional
connectivity, cognition and
consciousness**
Organizer: Selma Supek

Sunday, March 28, 2010

Halls: Mistral A, Zephyros

09:00 – 16:00 **NeuroMath COST BM 0601 Workshop:
Neurodynamic insight into functional
connectivity, cognition and
consciousness**
Organizer: Selma Supek

Hall: Mistral B

08:30 – 10:00 **How both Attention and Memory are
Produced by Brain Processes**
Organizer: Susan Bowyer

10:30 – 12:00 **MEG in Parkinson's disease**
Organizer: Jyrki Mäkelä

12:30 – 17:00 **MEG in Clinical Practice**
*Organizers: Stefan Hermann and Hrvoje
Hećimović*

Hall: Lavantera

08:00 – 12:00 **Ultra-low-field MRI and its
combination with MEG**
*Organizers: Risto Ilmoniemi and Robert
Kraus*

Hall: Boreas

12:30 – 17:00 **Advances in Human Brain
Development Research**
*Organizer: Yoshio Okada and Timothy
Roberts*

Hall: Mistral C, Gregale, Tramontana, Shirocco

08:00 – 17:00 **Analysis toolboxes for MEG data**
Organizer: Ole Jensen

SATELLITE EVENTS

Friday, March 26, 2009	
17:00 – 20:00	COST NeuroMath Registration
Saturday, March 27, 2009	
8:00 – 9:00	COST NeuroMath Registration
Hall: Mistral A	
09:00 – 09:15	Opening remarks <i>Selma Supek, Local organizer</i> <i>Fabio Babiloni, COST BM0601 Action Chair</i>
09:15 – 11:15	<u>Plenary session</u>
Session Chair: Selma Supek	
09:15 – 09:45	<i>Invited talk: Matti Hamalainen:</i> Anatomically and functionally constrained MEG/EEG source estimates: Theoretical background and practical implementation
Session Chair: Ratko Magjarevic	
09:45 – 10:15	<i>Invited talk: Hermann Scharfetter:</i> Magnetic induction tomography
10:15 – 10:45	<i>Invited talk: David Holder:</i> Electrical impedance tomography of brain function
10:45 – 11:15	<i>Invited talk: Igor Lackovic:</i> Bioimpedance spectroscopy and dielectric properties of biological tissues
11:15 – 11:45	<i>Coffee break</i>
11:45 – 13:00	ROUND TABLE DISCUSSION: Challenges in functional brain connectivity
Moderator: Katarzyna J. Blinowska and Andreas Ioannides	
Introductory presentations by the moderators	
10 minutes presentations of selected posters:	
N.J. Thai et al: <i>Neuroimaging studies of connectivity in epileptic neural networks</i>	
W. Klonowski et al.: <i>Weak brain connectivity and causality measures</i>	
Discussion	
13:00 – 14:30	Lunch
Hall: Mistral A	
14:30 – 16:00	<u>Plenary session</u>
Session Chair: Fabio Babiloni	

14:30 – 15:00	<i>Invited talk: Riitta Hari:</i> Time scales and temporal hierarchies in brain function
15:00 – 15:30	<i>Invited talk: Ana Susac:</i> Face activated neurodynamic cortical networks
15:30 – 16:00	<i>Invited talk: Laura Astolfi:</i> Time-varying cortical activity and connectivity from high resolution EEG. Single subject and simultaneous multi-subject recordings
16:00 – 16:30	Coffee break
16:00 – 18:00	POSTER SESSION
Hall: <i>Mistral A</i>	
16:30 – 17:30	COST BM0601 MC Meeting
18:00 – 20:00	Guided Old City tour
Sunday, March 28, 2009	
Hall: <i>Mistral A</i>	
09:00 – 11:00	<u>Plenary session</u>
Session Chair: Riitta Hari	
09:00 – 09:30	<i>Invited talk: Richard Jones:</i> Lapses of responsiveness: Their characteristics, detection, and underlying mechanisms
09:30 – 10:00	<i>Invited talk: Fabio Babiloni:</i> Brain Computer Interfaces for communication and control
10:00 – 10:15	EEG, fMRI and brain stimulation evidence for epiphenomenal conscious will Magnus Jandel and Hank Liljenstrom
10:15 – 10:30	Is a cortical focus driving a cortico-thalamic circuit in human absence epilepsy? Pauly Ossenblok, Bert Kornips, Disha Gupta, Petra van Houdt and Gilles van Luijcklaar
10:30 – 11:00	Coffee break
11:00 – 12:00	<u>Plenary session</u>
Session Chair: Arvid Lundervold	
11:00 – 11:15	Communication of brain areas during the processing of noxious intracutaneous stimuli in patients with major depression and normal controls Lutz Leistritz, Thomas Lehmann, Jaroslav Ionov, Karl-Jürgen Bär and Thomas Weiss

11:15 – 11:30	Fingerprinting the sleep-related memory processing in EEG spectra Ana Jeronic, Zoran Dogas
11:30 – 11:45	A Neural Network Model of Intraparietal Sulcus That Can Explain a Pattern of Brain Imaging Results Related to the Visual Working Memory Drazen Domijan
11:45 – 12:00	Patient Machine Interfaces to protect and serve the patients: The new generation of BCI Sara L. Gonzalez Andino, Dan Adler, Stephen Perrig, Rolando Grave de Peralta
12:00 – 13:00	ROUND-TABLE DISCUSSION: Cortical neurodynamics and connectivity: Linear vs. non-linear approaches
Moderator: Hans Liljenstrom	
	Fabio Babiloni, Wlodzimierz Klonowski, Hans Liljenstrom, Jaakko Malmivuo
13:00 – 13:15	Closing remarks Selma Supek, Local organizer Fabio Babiloni, COST BM0601 Action Chair
13:30 – 15:00	Lunch
Halls: Mistral A, Zephyros	
15.00 – 17:00	PROJECTS PRESENTATIONS, NETWORKING
Hall: Mistral B	
08:30 – 10:00	SE-1: How both Attention and Memory are Produced by Brain Processes Chair: Susan Bowyer
08:30 – 08:35	Introduction
08:35 – 08:55	SE-1.1: Hemispheric Differences in Neural Activation during Gaze Cueing in Autism Spectrum Disorder (ASDs) Measured by Magnetoencephalography (MEG) Renee Lajiness-O'Neill
08:55 – 09:15	SE-1.2: The Use of MEG Mismatch Negativity to Evaluate Attention and Echoic Memory in Children with Epilepsy Douglas Rose

09:15 – 09:35	SE-1.3: Age dependent modulation of auditory and visual cortex high-gamma activity by directed attention Timothy Roberts
09:35 – 09:55	SE-1.4: MEG Detection of Attention and Memory Processes in Individuals with Dyslexia Susan Bowyer
09:55 – 10:00	General comments
10:30 – 12:00	<i>SE-2: MEG in Parkinson's disease</i> <i>Chair: Jyrki Mäkelä</i>
10:30 – 10:35	Introduction
10:35 – 10:55	SE-2.1: Oscillatory networks underlying Parkinsonian symptoms Alfons Schnitzler
10:55 – 11:15	SE-2.2: Cognitive dysfunction and dementia in Parkinson's disease: MEG experience Hans Bosboom
	<i>Chair: Alfons Schnitzler</i>
11:15 – 11:35	SE-2.3: Cortico-motor coherence during deep brain stimulation for Parkinson's disease Chun Kee Chung
11:35 – 11:55	SE-2.4: Effects of deep brain stimulation on evoked fields of Parkinsonian patients Jyrki Mäkelä
11:55 – 12:00	General comments
12:30 – 17:00	<i>SE-3: MEG in Clinical Practice</i> <i>Chairs: H. Stefan and H. Hecimovic</i>
12:30 – 13:00	SE-3.1: MEG: Basis of recordings and analysis Stefan Rampp
13:00 – 13:30	SE-3.1: MEG in epilepsy: in search of the primary irritative zone Christian G. Bénar
13:30 – 14:00	SE-3.1: Use of MEG in presurgical functional brain mapping Andrew Papanicolaou
14:00 – 14:30	Coffee/Tea break

14:30 – 15:00	SE-3.1: Neurophysiological MEG correlates of perceptual and cognitive processes Mircea Schoenfeld
15:00 – 15:30	SE-3.1: Source localization and network analysis in tremor Alfons Schnitzler
15:30 – 16:00	SE-3.1: Profiles of brain magnetic activity in Alzheimer's Disease and Mild Cognitive Impairment Fernando Maestú
16:00 – 16:30	SE-3.1: Clinical MEG after its Rubicon Anto Bagic
16:30 – 17:00	Discussion
Hall: <i>Levantera</i>	
08:00 – 12:00	<i>SE-4: Ultra-low-field MRI and its combination with MEG</i>
08:00 – 08:15	SE-4.1: Prospects for hybrid MEG-MRI technology Risto Ilmoniemi
08:15 – 08:45	SE-4.2: Magnetic Resonance Imaging in Microtesla Fields: Principles and Practice John Clarke
08:45 – 09:00	SE-4.3: Field-tolerant SQUIDs for combined MEG and MRI Juha Hassel
09:00 – 09:15	SE-4.4: Magnetoresistive hybrid sensors for simultaneous low-field MRI and biomagnetic measurements Natalia Sergeeva-Chollet
09:15 – 09:30	SE-4.5: The problem of concomitant gradients in ultra-low-field MRI Jaakko Nieminen
09:30 – 09:45	SE-4.6: Practical design considerations for MEG-MRI Juha Simola
09:45 – 10:00	Break
10:00 – 10:15	SE-4.7: Introduction to Ultra-Low Field (ULF) Magnetic Resonance Imaging (MRI) Applications Robert Kraus
10:15 – 10:30	SE-4.7: Ultra-Low Field Magnetic Resonance Imaging of the Human Brain Robert Kraus

10:30 – 10:45	SE-4.8: Magnetic Resonance Relaxometry at Low and Ultra low Fields Petr Volegov
10:45 – 11:15	SE-4.9: Prospects for current imaging with MRI Rainer Körber
11:15 – 12:00	Discussion
12:00	Lunch
Hall: Boreas	
12:30 – 17:00	SE-5: Human Brain Development
12:30 – 12:35	Introduction
12:35 – 13:00	SE-5.1: Histochemical and MR diffusion tensor imaging of fiber pathways in the human fetal brain Ivica Kostovic
13:00 – 13:15	SE-5.2: Development of the Cortex - MRI/DTI/DSI Ellen Grant
13:15 – 13:25	Break
13:25 – 13:40	SE-5.3: Fetal MEG Curtis Lowery
13:40 – 13:55	SE-5.4: Early Development Of Sensory Systems In Prematurely Born Babies Sampsa Vanhatalo
13:55 – 14:10	SE-5.5: Maturation Of The Somatosensory System Paivi Nevalainen
14:10 – 14:25	SE-5.6: Maturation of the Auditory system Ronald Wakai
14:25 – 14:35	Break
14:35 – 14:50	SE-5.7: Perception/Cognition Margot Taylor
14:50 – 15:05	SE-5.8: Perception/Cognition Minna Huottilainen
15:05 – 15:20	SE-5.9: Perception/Cognition Toshiaki Imada
15:20 – 15:35	SE-5.10: Perception/Cognition Blake Johnson
15:35 – 15:45	Break
15:45 – 16:00	SE-5.11: Epilepsy Paul Furlong

16:00 – 16:15	SE-5.12: Down Syndrome Nazrin Virji-Babul and Urs Ribary
16:15 – 16:30	SE-5.13: Schizophrenia Sven Braeutigam
16:30 – 16:45	SE-5.14: Autism (Auditory System) Tim Roberts
16:45 – 17:00	SE-5.15: Autism (Long-Range Connectivity) Julia Stephen
Hall: <i>Mistral C, Gregale, Tramontana, Shirocco</i>	
08:45 – 17:00	<i>SE-6: Analysis toolboxes for MEG data</i>
08:45 – 09:00	Introduction Ole Jensen
09:00 – 09:30	SE-6.1: SPM Stefan Kiebel
09:30 – 10:00	SE-6.1: FieldTrip Robert Oostenveld
10:00 – 10:30	SE-6.1: NutMEG Sarang Dalal
10:30 – 11:00	Coffee break
11:00 – 11:30	SE-6.1: BrainStorm Sylvain Baillet
11:30 – 12:00	SE-6.1: MNE Suite Matti Hamalainen
12:00 – 13:00	Lunch
13:00 – 13:30	SE-6.1: OpenMEEG Maureen Clerc
13:30 – 14:00	SE-6.1: Simbio Carsten Wolters
14:00 – 14:30	Coffee break
14:30 – 17:00	Break into groups – demos by developers

ORAL SESSIONS

Please bring your **presentations in .ppt .pptx or .pdf** formats and **hand them over** at the **registration desk or at least one day before your presentation. The presentations will be streamed from our computers only.**

For any special requirements during presentations or needed information please contact our technical support at webmaster@biomag2010.org and at the registration desk.

Please make sure that your presentation uses high contrast colors and font-size of at least 24pt.

Presentations check-in room is located at the 11th floor. Please make arrangements at the registration desk.

It is recommended that speakers meet with the Chairperson of the session in the meeting room five minutes prior to the session.

BIOMAG2010 INVITED SPEAKERS

Metin Akay, Cullen College of Engineering, University of Houston

“Advances In Neural Engineering”

Dražen Prelec, Department of Brain and Cognitive Sciences and the Sloan School, MIT

“Neuroeconomics”

Ivica Kostović, Croatian Brain Research Institute, University of Zagreb

“Connectivity In the Human Fetal Brain”

Ksenija Marinković, University of California, San Diego

“When the Executive Gets Drunk: Effects of Alcohol on Cognitive Neurodynamics”

Matti Hamalainen, Harvard Medical School, MGH

“MEG and EEG Source Estimation: From Surface Mapping to Multimodal Imaging”

Katarzyna J. Blinowska, Department of Biomedical Physics, Warsaw University

“Methods for Determination of Functional Connectivity in the Brain”

John Clarke, University of California, Berkeley

Nikola Tesla Lecture: “Magnetic Resonance Imaging in Microtesla Fields: A Potential Modality for Imaging Cancer”

BIOMAG2010 PROGRAM SCHEDULE

Friday, March 26, 2010	
14:00 – 20:00	BIOMAG2010 REGISTRATION
	COST REGISTRATION
Saturday, March 27, 2010	
08:00 – 09:00	COST Registration
09:00 – 20:30	COST BM 0601 Workshop: Neurodynamic insight into functional connectivity, cognition and consciousness
Sunday, March 28, 2010	
08:00-17:00	SATELLITE EVENTS
08:00-17:30	BIOMAG2010 REGISTRATION
Biomag2010	
18:00 – 18:30	Opening remarks
Opening lectures	
<i>Chair: Chris Wood</i>	
18:30 – 19:00	IL-1: Matin Akay: Advances in Neural Engineering
19:00 – 19:30	IL-2: Dražen Prelec: Neuroeconomics
19:30 – 22:00	<i>Welcome reception and dinner</i>
Monday, March 29, 2010	
08:00 – 09:00	BIOMAG2010 REGISTRATION
Hall: Mistral A+B+C	
Chair: Yoshio Okada	
09:00 – 09:30	IL-3: Ivica Kostović: Connectivity in the human fetal brain
09:30 – 11:00	Plenary symposium
	<i>Chairs: Yoshio Okada and Timothy Robert</i>
	<i>S-1: Human Brain Development Symposium</i>
	S-1.1: Ellen Grant: Development of the cortex determined with MRI/DTI/DSI
	S-1.2: Sampsa Vanhatalo: Electrical brain function of prematurely born babies

	S-1.3: Elina Pihko: Maturation of the Somatosensory, Auditory and Visual Systems – a Review of Developmental MEG Studies
	S-1.4: Toshiaki Imada: Recording and analysis of perceptual/cognitive MEG/EEG responses from neonates/infants/children
	S-1.5: Julia Stephen: Pediatric CNS Pathophysiology
11:00 – 11:10	Coffee break
11:10 – 12:30	<i>“Millenium Photo” in the Old City</i>
12:30 – 13:30	Lunch
12:30 – 13:30	<i>IAB Meeting (Tramontana hall)</i>
13:00 – 14:30	POSTER SESSIONS
Hall: Mistral A+B+C	
14:30 – 16:30	Plenary symposia
	<i>Chairs: Ole Jensen and Marta Garrido</i>
	<i>S-2: Studying functional architecture in the working brain</i>
	S-2.1: Marta Garrido: DCM of evoked brain responses: analysis of effective connectivity
	S-2.2: Ole Jensen: Cross-frequency analysis of MEG data applied to study functional connectivity
	S-2.3: Francesco de Pasquale: Temporal dynamics of spontaneous MEG activity in brain networks
	S-2.4: Joachim Gross: New approaches for studying amplitude correlations and directionality with MEG
	<i>Chair: Barbara Friederike Händel</i>
	<i>S-3: Cross-frequency coupling of brain oscillations</i>
	S-3.1: Christoph Hermann: Gamma amplitudes are coupled to theta phase in human EEG during visual perception
	S-3.2: Barbara Friederike Händel: Cross-frequency coupling of human brain oscillations indicates the success in visual motion discrimination
	S-3.3: Satu Palva: Cross-frequency phase synchrony in the human brain

16:30 – 17:00	Coffee break
Hall: Mistral A+B+C	
<i>Chair: Riitta Hari</i>	
17:00 – 17:30	IL-4: Ksenija Marinkovic: When the Executive Gets Drunk: Effects of Alcohol on Cognitive Neurodynamics
17:30 – 19:30	Plenary symposium
	<i>Chair: Christopher J. Edgar</i>
	S-4: MEG in psychiatric and neurologic populations: predicting clinical symptoms and treatment efficacy
	S-4.1: Ming-Xiong Huang: Study the neuronal mechanisms of mild traumatic brain injury using an integrated multi-modal neuroimaging approach with MEG and DTI
	S-4.2: Brian R. Cornwell: Virtual spatial navigation and hippocampal functioning in healthy and clinically-depressed individuals
	S-4.3: Arjan Hillebrand and Kees J. Stam: Functional connectivity in Obesity, Diabetes and Alzheimer
	S-4.4: J. Christopher Edgar: EEG and MEG metrics of paired-click auditory processes and associations with attention and brain anatomy
	S-4.5: Brigitte Rockstroh: Neuroplasticity-based training normalizes auditory gating and improves verbal processing in schizophrenia
19:30 – 21:00	POSTER SESSIONS
Tuesday, March 30, 2010	
Hall: Mistral A+B	
08:00 – 09:00	Morning tutorial lecture
	<i>Chair: Sylvain Baillet</i>
	IL-5: Katarzyna J. Blinkowska: Methods for Determination of Functional Connectivity in the Brain
09:00 – 10:30	Parallel workshop
Hall: Mistral A+B	
	<i>Chairs: Ole Jensen and Jan Mathijs Schoffelen</i>

	<i>W-1: Data analysis competition: Connectivity and multivariate classification approaches</i>
Hall: Mistral C	
	<i>Chair: Kiwoong Kim</i>
	<i>W-2: Progress in Clinical Adult MCG</i>
	W-2.1: Peter van Leeuwen: Nondipolar content of cardiac magnetic field maps in patients after non-ST elevation myocardial infarction
	W-2.2: Akihiko Kandori: Large scale database of normal adult magnetocardiogram
	W-2.3: Chau-Chung Wu: The Diagnostic Accuracy of Magnetocardiography by Quantification of Repolarization Heterogeneity for the Assessment of Stable Coronary Artery Disease
	W-2.4: Doosang Kim: MCG map-guide personalized minimal AF surgery; new approach to treat AF with an F-wave Action Potential Activity Map in 3D heart model
	W-2.5: Raija Jurkko: Interatrial conduction in patients with paroxysmal atrial fibrillation and in healthy controls
10:30 – 11:00	Coffee break
10:30 – 12:00	POSTER SESSIONS
12:00 – 14:00	Lunch
12:30 – 14:00	POSTER SESSIONS
Hall: Mistral A+B+C	
14:30 – 16:00	Plenary symposium
	<i>Chair: Hubert Preissl</i>
	<i>S-5: Biomagnetism in fetal and reproductive medicine: Applications and Modelling</i>
	S-5.1: Curtis L. Lowery: Fetal Magnetoencephalography: What do we know and which clinical applications are possible?
	S-5.2: Jens Haueisen: Boundary Element Discretization in Realistic Volume Conductor Modeling in Fetal Magnetoencephalography

	S-5.3: Janette Strasburger: Clinical Application of Fetal Magnetocardiography
	S-5.4: Silvia Comani: Fetal MCG processing
	S-5.5: Hari Eswaran: Uterine Magnetomyography: Tracking of the characteristics of electrophysiology uterus as it approaches labor
	S-5.6: Andrew Blanks: Modelling the Uterus: electronic-reconstruction of the pregnant human uterus
16:00 – 16:15	Coffe break
Hall: Mistral A+B+C	
16:15 – 17:30	Presidential Plenary symposium
	<i>Chairs: Selma Supek, Jens Haueisen and Gian Luca Romani</i>
	S-6: Four decades of SQUIDs in Brain and Heart Research
	S-6.1: David Cohen: The First Biomagnetic SQUID Measurement: Some Recollections
	S-6.2: Gerhard Stroink: Forty years of magnetocardiology
	S-6.3: Cheryl Aine: Highlights of 40 Years of SQUID-based Brain Research and Clinical Applications
17:35 – 18:30	<i>Business Meeting</i>
20:30 – 23:00	Conference Dinner and Awards Ceremony
Wednesday, March 31, 2010	
Hall: Mistral A+B+C	
08:00 – 09:00	Morning workshop
	<i>Chair: Kensuke Sekihara</i>
	W-3: Standardization of MEG analysis
09:00 – 09:30	IL-6: Matti Hamalainen: MEG and EEG source estimation: from surface mapping to multimodal imaging
09:30 – 11:00	Plenary symposium
	<i>Chairs: Ksenija Marinkovic and Eric Halgren</i>
	S-7: Neural Dynamics of Language

	S-7.1: Thomas Thesen: The first 250 ms of reading: Spatio-temporal dynamics of letter and word-specific processing
	S-7.2: Norio Fujimaki: Lexical processing affected by context
	S-7.3: Liina Pylkkanen: The neuromagnetism of natural language combinatory semantics
	S-7.4: Burkhard Maess: Processing of spoken language varying syntactical and acoustic properties
11:00 – 11:30	Coffee break
11:00 – 12:30	POSTER SESSIONS
12:30 – 14:00	Lunch
13:00 – 14:30	POSTER SESSIONS
Hall: Mistral A+B	
14:30 – 16:00	Parallel symposium
	<i>Chairs: Avgis Hadjipapas and Eric Halgren</i>
	S-8: Physiological underpinnings of EEG/MEG signals revealed by invasive recordings in man
	S-8.1: Sarang Dalal: Insights from Simultaneous Recording of MEG and Intracranial EEG
	S-8.2: Vladimir Litvak: Simultaneous magnetoencephalography and subthalamic local field potential recordings in Parkinson patients
	S-8.3: Avgis Hadjipapas: Do sustained and long range zero-phase lag correlations develop in the human brain?
	S-8.4: Eric Halgren: Neural generators of sleep oscillations in humans
Hall: Mistral C	
14:30 – 16:00	Parallel workshop
	<i>Chairs: Carsten Hermann Wolters and Jens Haueisen</i>
	W-4: Forward modeling in EEG and MEG source analysis
	W-4.1: Maureen Clerc: The symmetric BEM: bringing in more variables for better accuracy.

	W-4.2: Mattie Stenroos: A Galerkin BEM approach for source analysis
	W-4.3: Theodore Papadopoulos: The adjoint method for general EEG and MEG sensor-based lead field
	W-4.4: Hans Hallez: Influence of skull and white matter anisotropy on the EEG source
	W-4.5: Ceon Ramon: Effect of model resolution and tissue surfaces on the forward EEG MEG
16:00 – 16:30	Coffee break
Hall: Mistral A+B+C	
16:30 – 18:00	Plenary symposium
	<i>Chairs: Christoph Braun and Matthias Witte</i>
	<i>S-9: Non-invasive brain computer interfaces: Current development and applications</i>
	S-9.1: Ole Jensen: Two-dimensional control using brain-computer interfaces based on covert attention
	S-9.2: Richard Coppola: MEG Virtual Channel methods for movement prediction and training
	S-9.3: Karim Jerbi: Real-time exploration of brain oscillations in human intracranial data: towards novel BCI, neurofeedback and functional mapping strategies
	S-9.4: Jeremy Hill: Machine-learning methods for decoding intentional brain states
18:00 – 19:00	<i>ISACM Business Meeting</i>
18:00 – 20:00	POSTER SESSIONS
Thursday, April 1, 2010	
<i>Hall: Mistral A+B+C</i>	
09:00 – 10:00	Nikola Tesla Invited Lecture
	<i>Chair: Douglas Cheyne and Gerhard Stroink</i>
	IL-7: John Clarke: Magnetic resonance imaging in microtesla fields: A potential modality for imaging cancer
10:00 – 11:00	Plenary symposium

	<i>S-10: Advances in SQUID-based technologies</i>
	S-10.1: Petr Volegov
	S-10.2: Risto Ilmoniemi
	S-10.3: James Zimmerman Prize Talk
11:00 – 11:30	Coffee break
11:30 – 13:00	Future of Biomagnetism Research: Positive Directions
13:00 – 13:30	Closing remarks

POSTER SESSIONS

Poster board dimensions: Width 1 m x Height 2 m

Suggested poster size: A0 (width 841 mm x height 1189 mm), portrait orientation.

Adhesive material will be provided.

Poster sessions will take place at the lobby and congress levels Monday, March 29, Tuesday, March 30, and Wednesday, March 31, 2010.

During the three daily poster sessions all posters are displayed from 08:00 till 22:00.

Poster presenters are kindly requested to mount their posters by 08:00 on the day of their session and remove them by 22:00 the same day. After 22:00 the posters that are not removed by the authors will be removed by hotel personnel and deposited at the registration desk till 10:00 next day.

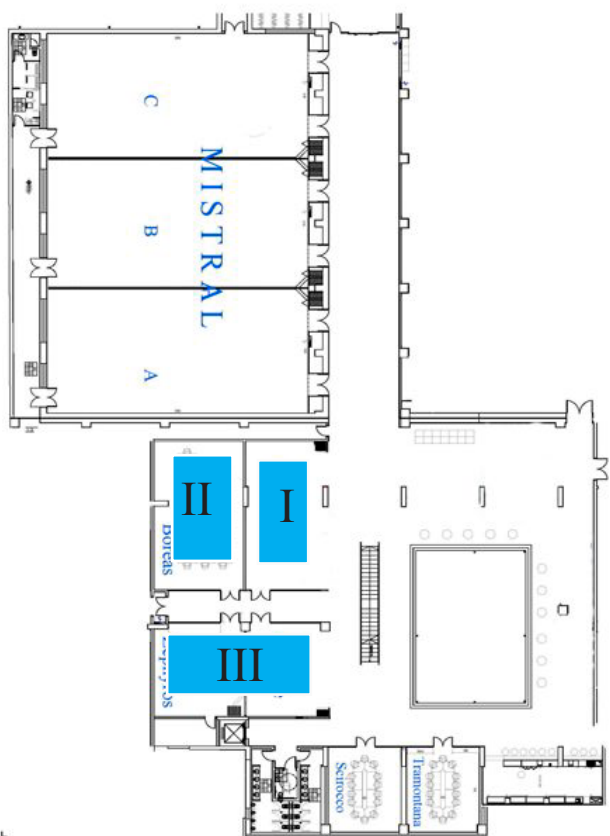
Two 90 minutes poster sessions are scheduled per day:

First poster session

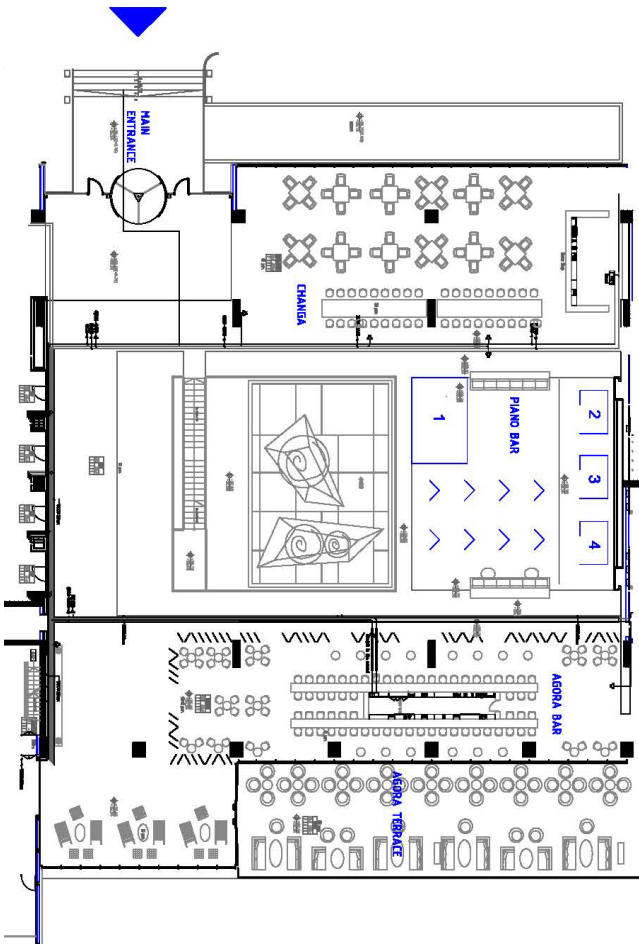
Presenting authors of the **ODD poster board/poster numbers** are invited to stand in front of their posters during the ***first 60 minutes*** of the poster session.

Second poster session

Presenting authors of the **EVEN poster board/poster numbers** are invited to stand in front of their posters during the ***first 60 minutes*** of the poster session.



Hotel entrance



Poster sessions assignments

	Monday 29.03.2010	Tuesday 30.03.2010	Wednesday 31.03.2010
Lobby	T1: 1-14 T2: 15-32	T1: 1-16 T9: 16-32	T11: 1-7 T9: 8-31
I	T3: 1-12 T4: 13-22 T5: 23-36	T3: 1-12 T4: 13-22 T5: 23-36	T3: 1-19 T4: 20-32
II	T6: 1-24	T6: 1-24	T6: 1-23
III	T7: 1-22 T8: 23-39	T10: 1-12 T8: 13-38	T10: 1-11 T12: 12-36

Legend	Hall
L	Lobby
I	Levantera
II	Boreas
III	Gregale - Zephyros

Legend	Topics
T1	MCG: Instrumentation, Modeling, Basic and Clinical Studies
T2	Nanoparticles, Biosusceptometry, and effects of magnetic fields
T3	MEG Modeling
T4	Signal processing and Functional Connectivity
T5	Fetal and neonatal biomagnetism
T6	Sensory Processing
T7	Epilepsy
T8	Neurocognition
T9	Instrumentation and Multi-modal Integrations: MEG, Low-field MRI, EEG, fMRI, TMS, NIRS
T10	Language
T11	Brain-computer interface
T12	MEG: Clinical applications

POSTER SESSIONS

Monday, March 29

Hall: Lobby

M-L T1-1

Development of nonhuman primate arrhythmia model by magnetocardiography

Naohide Ageyama, Yusuke Seki, Akihiko Kandori, Miyoko Kato, Keiji Tsukada, Keiji Terao, Yasuhiro Yasutomi

M-L T1-2

Magnetocardiographic Functional Sources Research By Magnetic Field Zero Line Approach

Lu Bing, Weiyuan Wang

M-L T1-3

Correlation between MCG and PET data

Illya A. Chaykovskyy, Mehdi Namdar, Phillip Kaufman

M-L T1-4

Development of pattern recognition method for diagnosis of myocardial ischemia based on current density distribution maps

Illya A. Chaykovskyy, Mokhammad Ali Najafian, Serhiy S. Martynenko, Mykola M. Budnyk, Anatoly S. Dovbysh, Oleksandr S. Kovalenko

M-L T1-5

Supraesternal Artery Pressure and Cardiac Output: Biomagnetic Evaluation

Teodoro Cordova, A. Ulrich Saldaña, Martha Hernandez, Sergio Solorio

M-L T1-6

Comparison of cardiac activation models using 3D MCG data

Massimo De Melis, Yoshinori Uchikawa

M-L T1-7

Magnetocardiography study of cardiac anomalies

Gireesan.K, Sengottuvel.S, Parasakthi.C, Patel Rajesh, Janawadkar.M.P, Radhakrishnan.T.S, Murthy.K.S.R, Vijaya.A

MONDAY

M-L T1-8

Subtraction method for detecting Coronary Heart Disease using magnetocardiogram

Akihiko Kandori, Kuniomi Ogata, Yasushi Watanabe, Kimio Tanaka, Masahiro Murakami, Tsuyoshi Miyashita, Yuji Oka, Hiroshi Takaki, Hideyuki Kanzaki, Syuji Hashimoto, Wataru Shimizu, Shiro Kamakura, Shigeyuki Watanabe, Kazutaka Aonuma

M-L T1-9

Classification of AF type using Magnetocardiographic analysis

Doosang Kim, Kiwoong Kim, Yong-Ho Lee, Hyuk Ahn

M-L T1-10

Magnetic reconstruction of circulating excitation

Taysia Sosnytska, Pavlo Sutkovyy, Volodymyr Sosnytskyy, Ekaterina Koronovska

M-L T1-11

Parameter decision of independent component analysis for low SNR magnetocardiogram signal

Koichiro Kobayashi, Masahito Yoshizawa, Yoshinori Uchikawa

M-L T1-12

A High-sensitivity Magnetocardiography System with 64 Axial Gradiometers Inside a Low Boil-off Dewar

Yong-Ho Lee, Kwon-Kyu Yu, Hyukchan Kwon, Jin-Mok Kim, Kiwoong Kim

M-L T1-13

The effect of volume conductor modeling on the estimation of cardiac vectors in fetal magnetocardiography

Mihai Popescu, Rong Tao, Anda-Elena Popescu, William Drake

M-L T1-14

Algorithm of “layer-to-layer” magnetostatics inverse problem solution: current density vector reconstruction

Michael Primin, Igor Nedayvoda, Yury Maslennikov

M-L T2-15

Influence of compression forces and superdisintegrants on tablets performance: comparison of biosusceptometry, water uptake and disintegration force

Madileine Américo, Paulo Fonseca, Giovana Evangelista, Luciana Cora, Ricardo Oliveira, Uilian Andreis, Jose Ricardo Miranda

M-L T2-16

Disintegration process of enteric tablets in human colon assessed by AC Biosusceptometry

Uilian Andreis, Luciana Cora, Giovana Evangelista, Fabiano Paixao, Caio Cesar Quini, Jose Ricardo Arruda Miranda

M-L T2-17

A novel marker design for magnetic marker monitoring in the human intestine

Sebastian Biller, Daniel Baumgarten, Jens Haueisen

M-L T2-18

Gastroparesis disrupts normal gastric slow wave magnetic field patterns

Alan Bradshaw, Chibuke Obioha, Eric Chung, Jon Erickson, Bill Richards

M-L T2-19

Development of the high sensitivity instrument for in-vivo and fast examination of iron distribution within the animal torso

J. J. Chieh, S.Y. Yang, H.E. Horng, Chin-Yih Hong, H.C.Yang, C.C. Wu ,and W.K. Tseng

M-L T2-20

Characterisation of magnetic nanoparticles for their potential application in Magnetic Particle Imaging

Dietmar Eberbeck, Frank Wiekhorst, Peter Zirpel, Lutz Trahms

M-L T2-21

Adaptation of source grid parameters to improve the condition of the linear inverse problem for the estimation of magnetic nanoparticle distributions

Roland Eichardt, Daniel Baumgarten, Frank Wiekhorst, Jens Haueisen

M-L T2-22

Effects of magnetic fields on nervous cells

Julio Cesar Hernandez-Pavon, Modesto Sosa, Teodoro Cordova, Gloria Barbosa-Sabanero, Sergio Solorio, Myrna Sabanero-Lopez

M-L T2-23

High-sensitivity, high-specificity, and wash-free detections of bio-molecules via immunomagnetic reduction

Herng-Er Horng, Shieh-Yueh Yang, Chin-Yih Hong, Hong-Chang Yang, Chau-Chung Wu

M-L T2-24

Magnetically labeled immunoassays detected with nuclear magnetic resonance based on high-Tc superconducting quantum interference devices

Shu-Hsien Liao, Hsin-Hsien Chen, Ming-Jye Chen, Hong-Chang Yang, , Shieh-Yueh Yang

M-L T2-25

AC Biosusceptometry as a tool for monitoring the gastrointestinal transit of multiparticulate drug delivery system

Giselle Oliveira, Priscileila Ferrari, Luciana Cora, Uilian Andreis, Jose Ricardo Arruda Miranda, Raul Cesar Evangelista

M-L T2-26

In vivo monitoring of magnetic nanoparticle quantity in tumor bearing mice by multichannel magnetorelaxometry for thermal ablation studies

Heike Richter, Melanie Kettering, Frank Wiekhorst, Olaf Kosch, Uwe Steinhoff, Kay Schwarz, Peter Zirpel, Ingrid Hilger, Lutz Trahms

M-L T2-27

Fe-filled carbon nanotubes for biomedical applications

Martin Sobik, Kirsten Pondman, Horst Rogalla, Bennie ten Haken

M-L T2-28

Influence of homogenous and inhomogeneous magnetic field disturbances on the localization uncertainty of a magnetic dipole fit

Uwe Steinhoff, Frank Wiekhorst, Daniel Baumgarten, Jens Haueisen, Lutz Trahms

M-L T2-29

Magnetic Detection of the Sentinel Lymph Node in Ex Vivo Tissue with Colorectal Cancer

Bennie ten Haken, Martijn Visscher, Aldrik Velders, Joost Pouw, Joost Klaase, Horst Rogalla, Quentin Pankhurst

M-L T2-30

Magnetic nanoparticles for high-sensitivity detection on nuclei acids via superconducting-quantum-interference-device-based immunomagnetic reduction assay

Li-Min Wang, S.Y. Yang, J.J. Chieh, W.C. Wang, C.Y. Yu, N.S. Hing, H.E. Horng, Chin-Yih Hong, H.C. Yang

M-L T2-31

Quantitative imaging of magnetic nanoparticle distributions in organs by a combined multipole-multiple dipoles approach

Frank Wiekhorst, Daniel Baumgarten, Wolfgang Haberkorn, Uwe Steinhoff, Jens Hauseisen, Markus Baer, Lutz Trahms

M-L T2-32

A new technique for magnetic nanoparticle imaging for magnetoencephalography using frequency data

Teresa Cheung, Karen Kavanagh, Urs Ribary

Hall: Levantera

M-I T3-1

The Compressible Estimate (CE) of MEG Current Sources

Wei-Tang Chang, Fa-Hsuan Lin

M-I T3-2

Assessing causal interaction in human brain using conditional mutual information and transfer entropy

Ying-Hua Chu, Fa-Hsuan Lin

M-I T3-3

Current dipole estimation in MEG by spatial interpolation of magnetic sensors

Hiroshi Fukuda, Masato Odagaki, Atsushi Kodabashi, Toshiro Fujimoto, Osamu Hiwaki

M-I T3-4

Speeding-up MEG Beamforming source imaging by correlation between measurement and lead-field vector

Jun Hee Hong, Sung Chan Jun

M-I T3-5

Applications of 2-Riemannian Helmholtz-Hodge Decomposition to MEG Source Dynamics

Sheraz Khan, Julien Lefevre, Manoj Raghavan, Sylvain Baillet

M-I T3-6

Development of human brainwave simulating device for magnetoencephalography and the corresponding dipole localization study

Jeff Liu, Yoshinao Kishimoto, Teresa Cheung

M-I T3-7

Calibration methods for nonlinear MEG imaging and multimodal source analysis

John Moran, Norman Tepley

M-I T3-8

A simple physical phantom to demonstrate the importance of volume currents

John Mosher

M-I T3-9

Influence of visual stimulus size and top-down effect on phase resetting of alpha rhythm: An EEG/MEG model-based study

Yasushi Naruse, Ayumu Matani, Yoichi Miyawaki, Masato Okada, Tsutomu Murata

M-I T3-10

Detection and Localization of Evoked Deep Brain Activity using MEG

Maher Quraan, Sandra Moses, Yuwen Hung, Travis Mills, Margot Taylor

M-I T3-11

A multipole beamformer for improved functional imaging of spontaneous MEG signals

Stephen Robinson, Jiri Vrba

M-I T3-12

Cluster-based algorithm for ROI analysis and cognitive state decoding using single-trial source MEG data

Gustavo Sudre, Yang Xu, Rob Kass, Doug Weber, Wei Wang

M-I T4-13

AC biosusceptometry system for recording simultaneously motility of entire gastrointestinal tract in rats

Marcelo Agostinho, Madileine Americo, Yuri Sinzato, Rozemeire Marques, Murilo Stelzer, Ricardo Oliveira, Jose Miranda

M-I T4-14

Evaluation of cross-site consistency of MEG data

Syed Ashrafulla, Dimitrios Pantazis, Richard Leahy

M-I T4-15

Constructing surrogate data to control for artifacts of volume conduction for functional connectivity measures

Forooz Shahbazi Avarvand, Andreas Ziehe, Guido Nolte

M-I T4-16

Measuring functional connectivity in default mode network using Hilbert Envelope Correlation

Matthew Brookes, Joanne Hale, Johanna Zumer, Claire Stevenson, Susan Francis, Julia Owen, Gareth Barnes, Srikantan Nagarajan, Peter Morris

M-I T4-17

Semi-automatic Noise and Artifact Detection for Multi Sensor Arrays in Magnetoencephalography

Frank Boers, Jürgen Dammers, Heike Thönnessen, Yu-Han Chen, Klaus Mathiak, N.John Shah

M-I T4-18

Demodulation effect of SQUID magnetometer to magnetic signal outside frequency bandwidth

Daisuke Oyama, Masanori Higuchi, Jun Kawai, Yoshiaki Adachi, Gen Uehara, Hisashi Kado

M-I T4-19

Array-gain constraint minimum-norm spatial filter with recursively updated gram matrix for bioelectromagnetic source imaging

Kensuke Sekihara, Isamu Kumihashi

M-I T4-20

Estimating causality measures among cortical source activities when large background interference exists

Kensuke Sekihara, Julia Owen, Hagai Attias, Srikantan Nagarajan

M-I T4-21

Optimizing Beamformer Analysis

Gianpaolo Demarchi, Christoph Braun

M-I T5-22

Development of a brain magnetic resonance system

Kiwoong Kim, Chan Seok Kang, Seong-min Hwang, Seong-Joo Lee, Jin-Mok Kim, Kwon-Kyu Yu, Hyukchan Kwon, Yong-Ho Lee

M-I T5-23

Detection of fetal behavioral states: combination of fetal actocardiogram and heart rate variability

Johanna Brändle, Erick Ortiz, Rathinaswamy Govindan, Rossitza Draganova, Hari Eswaran, Hubert Preissl, Isabelle Kiefer

M-I T5-24

Auditory steady-state responses in fetuses: a study using fetal magnetoencephalography (fMEG)

Rossitza Draganova, Rathinaswamy Govindan, Erick Ortiz, Isabelle Kiefer, Hubert Preissl

M-I T5-25

Quantifying Fetal Evoked Responses using Spectral Coherence Measure

Rathinaswamy Govindan, Hubert Preissl, Pamela Murphy, Maureen Ware, Curtis Lowery, Hari Eswaran

M-I T5-26

Characterizing fetal sympatho-vagal balance through multivariate time-varying autoregressive modeling of magnetocardiographic data

D. Gutiérrez, F. M. García-Guevara, I. Kiefer, R. Draganova

M-I T5-27

Fetal development assessed by self-organization indices

Dirk Hoyer, Schneider Uwe

M-I T5-28

Forward Electromagnetic Modeling of Uterine Contractions During Pregnancy

Patricio S. La Rosa, Hari Eswaran, Hubert Preissl, Arye Nehorai

M-I T5-29

Fetal cardiac time intervals (fCTI) in early pregnancy: Possible clinical applications

Minha Lim, Erick Ortiz, Rathinaswamy Govindan, Rossitza Draganova, Hari Eswaran, Hubert Preissl, Isabelle Kiefer

M-I T5-30

Development of frequency discrimination in human fetuses and newborns

Tanja Mathis, Rossitza Draganova, Isabelle Kiefer, Hubert Preissl

M-I T5-31

A Magneto-Mechanical Assessment of Fetal Bradycardia

Nana Aba Mensah-Brown, Ronald Wakai, Janette Strasburger

M-I T5-32

Fetal Heart Rate variability revisited – interrelations in the light of fetal activity

Susann Jaekel, Ekkehard Schleussner, Anja Fiedler, Mario Liehr, Jens Haueisen, Dirk Hoyer, Uwe Schneider

M-I T5-33

The sympathetic triad – sympathetic regulation and parasympathetic modulation of the fetal heart rate

Uwe Schneider, Anja Fiedler, Susann Jaekel, Jens Haueisen, Ekkehard Schleussner, Dirk Hoyer

M-I T5-34

Automated detection of fetal heart rate patterns and fetal behavioural states

Srinivasan Vairavan, Umit D Ulusar, James D Wilson, Hubert Preissl, Curtis L Lowery, Hari Eswaran, Rathinaswamy B Govindan⁹

M-I T5-35

Detecting gross fetal movements using fetal magnetocardiography

Peter Van Leeuwen, Daniel Geue, Silke Lange, Dietrich H.W. Grönemeyer

M-I T5-36

Magnetomyography combined with fetal magnetocardiography in the registration of uterine contractions

Peter Van Leeuwen, Wolfgang Hatzmann, Sven Schiermeier, Dietrich H.W. Grönemeyer

Hall: Boreas

M-II T6-1

Magnetic fields evoked by speech sounds and speech-like synthesized sounds

Tsunemichi Adachi, Harukazu Hiraumi, Keizo Fujiwara, Tatsuya Mima, Juichi Ito

M-II T6-2

Task decoding based on the change in functional connectivity

Kaoru Amano, Daisuke Narushima, Tsunehiro Takeda

M-II T6-3

Music syntactic processing in tonal and atonal melodies

Kaoru Amemiya, Masato Yumoto, Tatsuya Yamasoba

M-II T6-4

Neuromagnetic responses related to rapid detection of crossmodal incongruities

Atsushi Aoyama

M-II T6-5

The investigation on the source localizations and the isofrequency bands of auditory evoked N100m on-response and off-response magnetic signals by a 128 channels low-Tc SQUID magnetoencephalography system

Kuen-Lin Chen, Hong-Chang Yang, Sung-Ying Tsai, Heng-Er Horng, YongHo Lee, Hyukchan Kwon, Ming-Jang Chiu, Chih-Chuan Chen, Ruey-Meei Wu

M-II T6-6

Objective detection of the flicker fusion threshold with pupil diameter and visual evoked magnetic field

Nobuyoshi Harada, Sunao Iwaki, Mitsuo Tonoike

M-II T6-7

Origins of the N145 component elicited by checker board pattern-reversal stimulations

Keisaku Hatanaka, Masahumi Sakamoto, Yasuhiro Ishitomi, Yuuki Kutsuna, Hidenori Yoshida

M-II T6-8

Neural interactions between dorsal and ventral visual subsystems while perceiving 3-D structure from 2-D motion

Sunao Iwaki, John W Belliveau

M-II T6-9

Development of a quantitative test detecting hearing loss using neuromagnetic cortical activity

Bong Soo Kim, June Sic Kim, Chun Kee Chung, Yoshinori Uchikawa

M-II T6-10

Differentiating the neural generator of ERAN and MMN: An MEG study

Seung-Goo Kim, Bong-Soo Kim, June Sic Kim, Chun Kee Chung

M-II T6-11

Somatotopic representation of finger in human primary motor cortex hand area

Man Yoel Lim, June Sic Kim, Chun Kee Chung

M-II T6-12

Effects of direction of facial contour and features on processing for dynamic face perception: an MEG study

Kensaku Miki, Yasuyuki Takeshima, Shoko Watanabe, Yukiko Honda, Ryusuke Kakigi

M-II T6-13

Objective Assessments of Bone-conducted Ultrasonic (BCU) Hearing by Auditory Evoked Fields

Seiji Nakagawa

M-II T6-14

Multivariate analysis for evoked MEG of each individual subject in response to skipping a tone in the musical scale

Iku Nemoto

M-II T6-15

Effects of adaptation on visual sensitivity and MEG responses to the envelope of AM flicker

Yosuke Okamoto, Seiji Nakagawa

M-II T6-16

Neuromagnetic responses to musical chords: sensation of consonance and dissonance

Asuka Otsuka, Masato Yumoto, Yoshio Yamada, Shinya Kuriki

M-II T6-17

Timbre change detection reflected by auditory evoked responses

Jaeho Seol, June Sic Kim, Chun Kee Chung

M-II T6-18

Auditory evoked magnetic fields of subjects with impaired hearing

Yuko Suzuka, Kanako Yamada, Masanori Higuchi

M-II T6-19

Decoding subjective simultaneity from neuromagnetic signals

Kohske Takahashi, Shohei Hidaka, Katsumi Watanabe

M-II T6-20

Stochastic resonance within the auditory system

Keita Tanaka, Masaki Kawakatsu, Iku Nemoto, Yoshinori Uchikawa

M-II T6-21

Motor-related areas are activated in response to auditory omission stimuli during simple motor reaction paradigm

Shogo Yazawa, Takashi Murahara, Kazuko Sugiura, Masanori Ishiguro, Takanobu Toyoshima, Satoe Takeda, Hideaki Shiraishi, Takashi Nagamine

M-II T6-22

Primary sensory-motor cortex activity during voluntary and passive ankle mobilisation

Filippo Zappasodi, Simone Pittaccio, Stefano Viscuso, Camillo Porcaro, Francesca Mastrolilli, Matilde Ercolani, Francesco Passarelli, Franco Molteni, Stefano Besseghini, Paolo Maria Rossini, Franca Tecchio

M-II T6-23

Spectral Power of Brain Activity Associated with Emotion — A pilot MEG Study

George Zouridakis, Udit Paditar, Nikhil S. Padhye, Luca Pollonini, Andrew C. Papanicolaou

M-II T6-24

Separation of peripheral and foveal areas in visual cortex

Johanna Zumer, Matthew Brookes, Peter Morris

Hall: Gregale – Zephyros

M-III T7-1

Realistic models of spatially extended cortical activity in MEG

Douglas Cheyne, Jason Lerch, Ismail Mohamed, Paul Ferrari, Marc Lalancette, Elizabeth Pang

M-III T7-2

A New Multimodal Neuroimaging Method Integrating Simultaneously Recorded EEG and MEG

Jong-Ho Choi, Young-Jin Jung, June-Sic Kim, Chun-Kee Chung, Hyun-Kyo Jung, Chang-Hwan Im

M-III T7-3

MEG contribution for lesional epilepsy surgery : frequency domain approaches

Romain Bouet, Julien Jung, Claude Delpuech, Philippe Ryvlin, Jean Isnard, Olivier Bertrand, François Mauguière

M-III T7-4

The Effect of Spatiotemporal Signal Space Separation (tSSS) on the Localization of Interictal Spikes

Michael Funke, Samu Taulu

M-III T7-5

Tangential and radial epileptic spike activity: different sensitivity in EEG and MEG

Jens Haueisen, Michael Funke, Daniel Güllmar, Roland Eichardt

M-III T7-6

Imaging ictal activity propagation using electrocorticogram: a preliminary study

Young-Jin Jung, Jae-Hyun Cho, Kyung-Hwan Kim, Ki-Young Jung, Chang-Hwan Im

M-III T7-7

Assessment of Febrile Seizures in Children by the use of MEG

Athanasia Kotini, Aggelos Tsalkidis, Photios Anninos, Athanasios Chatzimichael

M-III T7-8

MEG findings in a family with a clinical history of febrile seizures

Athanasia Kotini, Aggelos Tsalkidis, Photios Anninos, Athanasios Chatzimichael

M-III T7-9

Multi-frequency microstructure of ictal high frequency oscillation (60-170Hz) in epilepsy patients: magnetoencephalography (MEG) study

Yongho Kwak, Huije Che, Bong Soo Kim, Eunyoung Kim, June Sic Kim, Chun Kee Chung

M-III T7-10

White Matter Abnormalities in Children with Temporal Lobe Epilepsy: A DTI and MEG Study

Lu Meng, Jing Xiang, Douglas Rose, Hong Zhao, Dazhe Zhao, Jingzhu Yang

M-III T7-11

Neuromagnetic crossed cerebellar activation during seizures arising from the motor cortex

Ismail Mohamed, Hiroshi Otsubo, Paul Ferrari, Carter Snead, Douglas Cheyne

M-III T7-12

Neuromagnetic imaging of ictal onset and propagation in pediatric focal epilepsy

Ismail Mohamed, Hiroshi Otsubo, Paul Ferrari, Ayako Ochi, Carter Snead, Douglas Cheyne

M-III T7-13

Spatiotemporal imaging of 'generalized' seizure activity using MEG

Pauly Ossenblok, Bert Kornips, Hans Carpay, Paul Boon, Gilles Van Luijtelaar

M-III T7-14

Stochastic behavior of cross-frequency coupling decreases in epileptogenic areas as measured with 256 channel scalp EEG recordings

Ceon Ramon, Mark Holmes

M-III T7-15

Clinical Application of MEG Source Localization Algorithms in Presurgical Epilepsy Evaluation: Strengths and Limitations

Douglas Rose, Hisako Fujiwara, Nat Hemasilpin, Ki Lee, Francesco Mangano

M-III T7-16

EEG source analysis of epileptiform activity using a 1mm anisotropic hexahedra finite element head model

Michael Rullmann, Alfred Anwander, Moritz Dannhauer, Simon K. Warfield, Frank H. Duffy, Carsten Wolters

M-III T7-17

An Assessment of MEG Coherence Imaging in the Study of Temporal Lobe Epilepsy

Neetu Shukla, Kost Elisevich, John Moran, Brien Smith, Lonni Schultz, Karen Mason, Gregory L Barkley, Norman Tepley, Valentina Gumenyuk, Susan M. Bowyer

M-III T7-18

Measurement of Magnetic Field of brain activities in rat using micro SQUID

Naohiro Tsuyuguchi, Yoshiaki Adachi, Takehiro Uda, Yoshihito Shigihara, Kenji Ohata, Gen Uehara

M-III T7-19

Usefulness of Spatial filter techniques in MEG for epilepsy diagnosis

Naohiro Tsuyuguchi, Takehiro Uda, Yoshihito Shigihara, Kenji Ohata

M-III T7-20

Effects of spike averaging and filtering on MEG dipole mapping of independent spike foci in temporal lobe epilepsy

Richard Wennberg, Douglas Cheyne

M-III T7-21

Video-MEG: Integration of digital video to MEG epilepsy recordings

Juha Wilenius, Andrey Zhdanov, Erik Larismaa, Lauri Parkkonen, Matti Kajola, Jaakko Lyytinen, Antti Ahonen, Ossi Miikkulainen, Jyrki Mäkelä, Ritva Paetau

M-III T7-22

Auditory processing in children diagnosed with Landau-Kleffner syndrome

Caroline Witton, Jade Ngoc Thai, Paul Furlong, Stefano Seri

M-III T8-23

Sleep Induced Mu-Beta Rhythm Modulations in Motor Sequence Memory Consolidation

Genevieve Albouy, Francoise Lecaigard, Jeremie Mattout, Claude Delpuech, Pierre-Emmanuel Aguera, Pierre-Herve Luppi, Alain Nicolas, Pierre Maquet, Olivier Bertrand

M-III T8-24

Event-Related Desynchronization of Spontaneous Rhythm Caused by Anticipation of Collision

Gakuto Aoyama, Koichi Yokosawa, Shinya Kuriki, Makoto Takahashi

M-III T8-25

Cross spectral changes in medial frontal cortex during an N-back working memory task

Matthew Brookes, Jonathan Wood, Thomas White, Johanna Zumer, Claire Stevenson, Peter Liddle, Peter Morris

M-III T8-26

Theta and gamma oscillations in prefrontal cortex differentiate intentional from incidental letter-location binding

Pablo Campo, Claudia Poch, Fabrice Parmentier, Jane Elsley, Francisco del Pozo, José María Ruiz-Vargas, Fernando Maestú

M-III T8-27

The spatiotemporal characteristics of the distributed network during emotional face perception

Yu-Han Chen, Jürgen Dammers, Frank Boers, Susanne Leiberg, Klaus Mathiak

M-III T8-28

TDCS accelerated learning of covert threat detection is influenced by current strength and stimulus novelty

Brian A. Coffman, Raneë Barrow, Vince D. Calhoun, Vincent P. Clark, Chris M. Garcia, John P. Phillips, Don Puffer, E. M. Raybourn, E. M. Wassermann, Michael P. Weisend

M-III T8-29

Event related field (ERF) correlates of visual attentional processing during experimentally induced sad and happy mood states: an emotional rapid serial visual presentation (RSVP) paradigm

Louisa Coulson, Sven Braeutigam, Morten Kringelbach, Klaus Ebmeier

M-III T8-30

Localizing face perception in simultaneous MEG and EEG recordings

Christian Dobel, Andreas Wollbrink, Roxane itier

M-III T8-31

Altered long-range phase synchronization and cortical activation in children born very preterm

Sam Doesburg, Urs Ribary, Anthony Herdman, Teresa Cheung, Hal Weinberg, Michael Whitfield, Anne Synnes, Mario Liotti, Daniel Weeks, Ruth Grunau

M-III T8-32

Towards electrophysiological markers of the dopamine system - a magnetoencephalographic study

Sarah Farrell, Sven Braeutigam, Elizabeth Tunbridge, Paul Harrison

M-III T8-33

An investigation of the neural responses to dynamic and static faces using MEG

Elaine Foley, Gina Rippon, Carl Senior

M-III T8-34

Impact of attentional demand on visual processing during simulated driving: a MEG study

Alexandra Fort, Claude Delpuech

M-III T8-35

Observing mismatch fields from human auditory discrimination of heavily damped frequency component adjustments

Stephen Gardeen, John Broadhurst, Art Leuthold

M-III T8-36

Armodafinil improves brain activity related to pre-attentive novelty detection in patients with shift work disorder: ERP and MEG study

Valentina Gumenyuk, Thomas Roth, Oleg Korzyukov, Norman Tepley, Christopher Drake

M-III T8-37

Auditory illusion explored with MEG

Ken-ichi Ouchi, Shinya Kuriki, Asuka Otsuka, Makoto Takahashi

M-III T8-38

Directed information flow during the retention phase of visuospatial working memory

Hyojin Park, June Sic Kim, Eunjoo Kang, Hyekyoung Lee, Chun-Kee Chung, Dong Soo Lee

M-III T8-39

Activated area of imagined movement: MEG study

Takehiro Uda, Naohiro Tsuyuguchi, Yoshihito Shigihara, Yuzo Terakawa, Kenji Ohata

Tuesday, March 30

Hall: Lobby

T-L T1-1

Improvement of small-channel MCG System

Mykola M. Budnyk, Oleksandr V. Zakorcheny, Vitaly C. Koshelnyk, Vitaly M. Budnyk, Volodymyr V. Lukashyk, Tetyana M. Ryzhenko, Yuriy D. Minov, Pavlo G. Sutkovyi

T-L T1-2

Different levels of magnetocardiographic data analysis: more sophisticated methods are more accurate

Illya A. Chaykovskyy, Mokhammad Ali Najafian, Anatoly S. Dovbysh, Mykola M. Budnyk, Mykhailo Boychak, Georgiy Myasnikov

T-L T1-3

Evaluation of serial QRS changes during acute myocardial infarction based on magnetocardiographic scoring system

Illya A. Chaykovskyy, Mykola M. Budnyk, Mykhailo Boychak, Georgiy Myasnikov, Yuriy Frolov, Tetiana Sosnytska

T-L T1-4

Operator Independent Biomagnetic Risk Stratification by QRS Fragmentation in Patients With Cardiac Dysfunction Before Implanted Cardioverter Defibrillator

Matthias Goernig, Dania Di Pietro Paolo, Ralf Surber, Hans Reiter Figulla, Sergio Nicola Erne

T-L T1-5

Comparison of spatial resolution of pace mapping when using electrocardiographic and magnetocardiographic data: a modeling study

Rok Hren

T-L T1-6

Karhunen-Loeve representation of magnetocardiographic QRST integral maps: a critical tutorial

Rok Hren

TUESDAY

T-L T1-7

Installation for Biomagnetism Studies

Anca Iftemie, Miuta Rau, Doina Costandache, Valeriu David, Ion Rau, Octavian Baltag

T-L T1-8

Evaluation of approaches to regularizing minimum norm estimate

Vojko Jazbinšek, Matija Milanič, Rok Hren

T-L T1-9

Towards clinical MCG with room-temperature sensors

Gertrud Lembke, Markus Stumpf, Sergio Nicola Ern , Georg Bison

T-L T1-10

Magnetocardiography with a GMR-based mixed sensor

Hedwige Polovy, Gregory Cannies, Claude Fermon, Myriam Pannetier-Lecoeur

T-L T1-11

Algorithm of the analytic solution of magnetostatic inverse problem in magnetocardiography

Michael Primin, Igor Nedayvoda, Yury Maslennikov

T-L T1-12

Detection of patients with delayed afterdepolarization using cardiac magnetic field mapping at rest

Taysia Sosnytska, Leonyd Stadnyuk, Volodymyr Sosnytskyy

T-L T1-13

Evaluation of electrophysiological alteration created by local autonomic dysfunction using magnetocardiography

Taysia Sosnytska, Leonyd Stadnyuk, Volodymyr Sosnytskyy

T-L T1-14

Simultaneous MCG measurements with microfabricated atomic magnetometer and SQUID

Svenja Knappe, Tilmann Sander, Frank Wiekhorst, John Kitching, Lutz Trahms

TUESDAY

T-L T1-15

Magnetic field map orientation in patients after ST elevation myocardial infarction

Peter Van Leeuwen, Birgit Hailer, Waleid Sherifa, Gregor Eiling, Dietrich Grönemeyer

T-L T1-16

Mapping the cardiomagnetic field with 19 room temperature second-order gradiometers

Antoine Weis, Georg Bison, Natascia Castagna, Adrian Hofer, Paul Knowles, Jean-Luc Schenker, Malgorzata Kasprzak

T-L T9-17

Development of a whole-head child MEG system

Yoshiaki Adachi, Masakazu Miyamoto, Jun Kawai, Miki Kawabata, Masanori Higuchi, Gen Uehara, Hisanao Ogata, Hisashi Kado, Yasuhiro Haruta, Graciela Tesan, Stephen Crain

T-L T9-18

The detection of MEG signals from deep sources by a SQUID system for spinal cord evoked field

Yoshiaki Adachi, Susumu Fujii, Shigenori Kawabata, Alain de Cheveigne', Hisashi Kado

T-L T9-19

Definitive validation of acb for measuring stomach contraction using strain-gauge in rats

Madileine Americo, Rozemeire Marques, Ednaldo Zandona, Murilo Stelzer, Marcelo Agostinho, Jose Ricardo Miranda

T-L T9-20

On the feasibility of combining ECG & EEG analysis to identify emotions evoked by IAPS visual stimuli

Christos A. Frantzidis, Maria Farini, Anastasia Semertzidou, Foteini Tsampardouka, Ana B. Vivas, Costas Pappas, Panagiotis D. Bamidis

T-L T9-21

Eye-tracking with MEG

Markus Bauer, Gareth Barnes, Christian Kluge, Jon Driver

T-L T9-22

Characterization and optimization of the cylindric 18 channel SQUID scanner in terms of source reconstruction performance

Daniel Baumgarten, Frank Wiekhorst, Uwe Steinhoff, Lutz Trahms, Jens Haueisen

T-L T9-23

Auditory Cortex Signal Detected by Potassium Alkali Vapour Magnetometer

Kiwoong Kim, Samo Begus, Mike Romalis

T-L T9-24

Individual head-casts for MEG

David Bradbury, Paul Hammond, Gareth Barnes

T-L T9-25

Status of neuronal current (NC) detection by means of low-field magnetic resonance

Martin Burghoff, Rainer Körber, Gabriel Curio, Stefan Hartwig, Nora Höfner, Ingo Hilschenz, Jens Voigt, Lutz Trahms

T-L T9-26

Asymmetric three-dimensional finite element analysis of a magnetically shielded room with access ports

Broc Burke, Solomon Diamond

T-L T9-27

Low-field NMR with magnetoresistive mixed sensors

Natalia Sergeeva-Chollet, Hadrien Dyvorne, Hedwige Polovy, Myriam Pannetier-Lecoeur, Claude Fermon

T-L T9-28

A Self-shielded Magnetometer-in-vacuum Magnetoencephalography System

Yong-Ho Lee, Kiwoong Kim, Hyukchan Kwon, Kwon-Kyu Yu, Jin-Mok Kim

T-L T9-29

Characteristics of the Helium Circulation System on the 440 CH Vector type MEG

Tsunehiro Takeda, Masayoshi Okamoto, Keishi Katagiri

TUESDAY

T-L T9-30

Magnetic Noise in a Magnetically-Shielded Room due to Mechanical Vibration

Keita Yamazaki, Takayuki Abe, Norio Fujimaki, Tsutomu Murata, Koichiro Kobayashi

T-L T9-31

Low-field magnetic resonance imaging of high sensitivity and spatial resolution using high-Tc superconducting quantum interference devices

Hong-Chang Yang, Shu-Hsien Liao, Hsin-Hsien Chen, Ming-Jye Chen, Heng-Er Horng, Shieh-Yueh Yang

T-L T9-32

Safety in simultaneous ultra-low-field MRI and MEG: forces exerted on magnetizable objects by magnetic fields

Juhani Dabek, Fredrik Sannholm, Jaakko O. Nieminen, Panu T. Vasanen, Risto J. Ilmoniemi

Hall: Levantera

T-I T3-1

Modeling Current Dipoles Generated by Dendritic Currents

Seppo Ahlfors, Christopher Wreh II

T-I T3-2

FDEHMT: a finite difference electromagnetic head modelling toolbox

Hung Dang, Kwong Ng

T-I T3-3

MEG study of amygdala responses during the perception of emotional faces and gaze

Thibaud Dumas, Yohan Attal, Roland Jouvent, Stéphanie Dubal, Nathalie George

T-I T3-4

Estimating spatial extent of neuronal activation using MEG beamformers

Arjan Hillebrand, Gareth R. Barnes

T-I T3-5

Electromagnetic Modeling of the Human Skull using Finite Elements

Thomas R. Knoesche, Moritz Dannhauer

T-I T3-6

Maximizing the imaginary part of coherency to detect cortico-cortical interactions

Laura Marzetti, Stefania Della Penna, Vittorio Pizzella, Gian Luca Romani, Guido Nolte

T-I T3-7

Multiple constrained minimum-variance beamformers for reconstruction of induced and evoked neural activity

Alexander Moiseev

T-I T3-8

Non-zero mean and asymmetry of neuronal oscillations have different implications for evoked responses

Vadim Nikulin, Klaus Linkenkaer-Hansen, Guido Nolte, Gabriel Curio

T-I T3-9

Efficient computation of high-dimensional MEG/EEG source connectivity and causality measures.

Rey Ramirez, Sylvain Baillet

T-I T3-10

Independent source resolution: an alternative MEG figure of merit

Stephen Robinson

T-I T3-11

MEG-SIM Portal: Reconstructions from realistic simulations of sensory and cognitive processing

Lori Sanfratello, Julia Stephen, Douglas Ranken, Elaine Best, Theodore Wallace, Jason Macarthur, Katie Gilliam, Cheryl Aine

T-I T3-12

From classical to Bayesian estimators in the interpretation of MEG and EEG measurements

Jukka Sarvas, Risto Ilmoniemi

TUESDAY

T-I T4-13

A new EEG vector beamformer for large correlated background interference suppression

Hung Dang, Kwong Ng

T-I T4-14

Estimating directions of information flow between cortical activities using phase-slope index

Kensuke Sekihara, Julia Owen, David Wipf, Hagai Attias, Srikantan Nagarajan

T-I T4-15

A user-friendly software suite for MEG, EEG, EcoG / Intracranial-EEG data analysis

Antoine Ducorps, Laurent Hugueville, Jean-Didier Lemarechal, Denis Schwartz, Lydia Yahia-Cherif

T-I T4-16

Spatiotemporal decomposition of four-dimensional MEG beamformer source reconstructions

Paul Ferrari, Marc Lalancette, Douglas Cheyne

T-I T4-17

Programmable magnetometer channel

Robert Gäde, René Schüler, Tino Gablenz, Lutz Herrmann

T-I T4-18

Multi-condition M/EEG inverse modeling with sparsity assumptions: how to estimate the common and the specific current generators in multiple experimental conditions

Alexandre Gramfort

T-I T4-19

Time-Frequency Source Estimation from MEG data

RE Greenblatt, A Ossadtchi, L Kurelowech, D Lawson, JR Criado

T-I T4-20

Fokker-Planck dynamics of macroscopic cortical activity as measured with MEG

Rikkert Hindriks, Fetsje Bijma, Aad van der Vaart

T-I T4-21

Single-trial Analysis for empirical MEG data

Jun Hee Hong, Minkyu Ahn, Sung Chan Jun

T-I T4-22

Analyzing statistical dependencies of MEG source envelopes

Aapo Hyvarinen, Kun Zhang, Pavan Ramkumar, Riitta Hari

T-I T5-23

Beamformer analysis of fetal MEG data with intermittent nonstationarity

Jack McCubbin, Pamela Murphy, Maureen Ware, Eric Siegel, Hari Eswaran, Jiri Vrba, Curtis Lowery, Hubert Preissl

T-I T5-24

Efficacy of Independent Component Analysis on Twin Fetal Signal Extraction from fMCG data

Nana Aba Mensah-Brown, Silvia Comani, Ronald Wakai

T-I T5-25

Acoustic change processing in fetuses: a fMEG study

Tamara Matuz, Jana Muenssinger, Adrian Furdea, R.B. Govindan, Pamela Murphy, Maureen Ware, Jessica R. Temple, Curtis L. Lowery, Hari Eswaran, Hubert Preissl

T-I T5-26

Alterations in auditory evoked magnetic fields in newborns exposed to buprenorphine during pregnancy

Päivi Nevalainen, Kaisa Kivistö, Leena Lauronen, Satu Kivitie-Kallio, Sarimari Tupola, Elina Pihko

T-I T5-27

Numerosity discrimination in fetuses – an fMEG study

Franziska Schleger, Karin Landerl, Maren Reinl, Rossitza Draganova, Isabelle Kiefer, Hubert Preissl

T-I T5-28

Using fetal Magnetocardiography in the clinical monitoring of fetal AV block III° due to maternal lupus erythematosus

Ekkehard Schleussner, Anja Fiedler, Mario Liehr, Uwe Schneider

T-I T5-29

The maturation of the different levels of heart rate regulation as revealed by fetal heart rate variability

Esther Heinicke, Uwe Schneider, Florian Tetschke, Susann Jaekel, Ekkehard Schleussner, Dirk Hoyer

TUESDAY

T-I T5-30

The Effect of Source Correlation on the Reconstructed Cardiac Vectors in Fetal Magnetocardiography

Rong Tao, Anda-Elena Popescu, William Drake, Mihai Popescu

T-I T5-31

Simultaneous MEG and Ultrasound Recording of Fetal Breathing Movement

Umit Ulsar, Rathinaswamy Govindan, James Wilson, Murphy Pamela, Curtis Lowery, Hari Eswaran

T-I T5-32

A novel Hilbert phase based detection of discontinuous brain patterns in spontaneous MEG data of neonates and fetuses

Srinivasan Vairavan, Hari Eswaran, Naim Haddad, D. F. Rose, Hubert Preissl, James Wilson, Curtis L Lowery, Rathinaswamy Govindan

T-I T5-33

T/QRS ratio measured from fMCG as a predictor of fetal distress during hypoxia

Srinivasan Vairavan, Umit Ulsar, Curtis L Lowery, Hari Eswaran, Rathinaswamy Govindan

T-I T5-34

Fetal maternal heart rate entrainment under controlled maternal breathing

Peter Van Leeuwen, Daniel Geue, Marko Thiel, Silke Lange, Mamen C. Romano, Jürgen Kurths, Dietrich H.W. Grönemeyer

T-I T5-35

Detection of Fetal Movement using Spatio-Temporal Magnetocardiogram

Rathinaswamy Govindan, Srinivasan Vairavan, Umit Ulsar, Hubert Preissl, Pam Murphy, Curt Lowery

T-I T5-36

Spatial-Temporal Synchronization in the Serially Recorded Magnetomyographic Signals

Rathinaswamy Govindan, Samantha Mckelvey, Hubert Preissl, Jessica Temple, Maureen Ware, Pamela Murphy, Curtis Lowery, Hari Eswaran

Hall: Boreas

T-II T6-1

Altered auditory habituation in stutters

Arne Knief, Nike Hoster, Dirk Deuster, Claus-Michael Schmidt, Michael Schneider, Christo Pantev, Antoinette am Zehnhoff-Dinnesen

T-II T6-2

Neural correlates of speaking and listening with altered feedback

Naomi Kort, Maria Ventura, John Houde, Srikantan Nagarajan

T-II T6-3

Sequencing Effects on Stimulus Specific Adaptation in Noisy Environments

Lothar Lagemann, Hidehiko Okamoto, Henning Stracke, Christo Pantev

T-II T6-4

The influence of the pre-stimulus beta activity on subsequent reaction times

Ali Mazaheri, Ole Jensen

T-II T6-5

Relating motor cortical oscillations to motor γ -Aminobutyric acid (GABA)

William Gaetz, James C. Edgar, D-J. Wang, Timothy P.L. Roberts

T-II T6-6

Dynamics of information processing explored via MEG

Gordon Morison, Marie L. Smith, Philippe G. Schyns

T-II T6-7

Hemispheric and visual field differences in face processing: MEG/EEG evidence for an early right hemisphere/left visual field specificity

Elias Mouchlianitis, Rik Henson

T-II T6-8

Bottom-up and top-down driven attentional effects on auditory evoked fields

Hidehiko Okamoto, Henning Stracke, Lothar Lagemann, Christo Pantev

T-II T6-9

Visuo-motor integration enhances coherent sources in the human brain

Christos Papadelis, Carola Arfeller, Silvia Erla, Giandomenico Nollo, Christian Plewnia, Christoph Braun

T-II T6-10

Induced gamma band response in human visual cortex reflects processing of emotionally salient stimuli

Tzvetan Popov, Nathan Weisz, Todor Jordanov, Brigitte Rockstroh

T-II T6-11

Transient enlargement of the hand area in the primary somatosensory cortex during stroke recovery

Kristina Roiha, Erika Kirveskari, Markku Kaste, Satu Mustanoja, Jyrki P. Mäkelä, Olli Salonen, Turgut Tatlisumak, Nina Forss

T-II T6-12

Gamma activity associated with painful and non-painful stimuli

Holly Rossiter, Sian Worthen, Stephen Hall, Paul Furlong

T-II T6-13

Role of the N100 to model temporal asymmetry in the auditory system

Andre Rupp, Anita Siebert, Selma Supek, Daniel Pressnitzer

T-II T6-14

Comparison of dcMEG and coherence patterns induced by sustained finger movements

Tilmann H. Sander, Stefanie Leistner, Michaela Wachs, Bruno-Marcel Mackert, Lutz Trahms

T-II T6-15

GLM-analysis of oscillatory activity reveals neural network correlates of visuomotor tracking accuracy

Jan-Mathijs Schoffelen, Alfons Schnitzler, Joachim Gross

T-II T6-16

Neuronal oscillatory correlates of stimulus-response (in)congruency

Jan-Mathijs Schoffelen, Joachim Gross

T-II T6-17

Brain activity modulation underlying movement observation and execution

Valentina Sebastiani, Dante Mantini, Stefania Della Penna, Francesco de Pasquale, Vittorio Pizzella, Gian Luca Romani

T-II T6-18

Short-term notched music training for tinnitus loudness reduction

Henning Stracke, Hidehiko Okamoto, Lothar Lagemann, Christo Pantev

T-II T6-19

Cortical neuronal pools in primary sensory and motor regions and their functional relationship investigated non-invasively in man

Leo Tomasevic, Camillo Porcaro, Filippo Zappasodi, Carlo Salustri, Franca Tecchio

T-II T6-20

Long-range coupling of prefrontal cortex and visual (MT) or polysensory (STP) cortical areas in motion perception

Lucia Maria Vaina, Finnegan Calabro, Fa-Hsuan Lin, Matti Hamalainen

T-II T6-21

Spectral signature of spatial updating across eye-movements

Jurrian Van Der Werf, Verena N. Buchholz, Ole Jensen, W. Pieter Medendorp

T-II T6-22

The frequency profile of somatosensory evoked magnetic fields in the developing brain

Yingying Wang, Jing Xiang, Douglas Rose, Tom Holroyd, Elana Harris, Ton deGrauw

T-II T6-23

Sensory-motor rhythms are modulated in response to perception of pain in others

Steven Whitmarsh, Ole Jensen, Ingrid Nieuwenhuis, Henk Barendregt

T-II T6-24

Cortical responses to a new dichotic pitch

Caroline Witton, G. Bruce Henning, Arjan Hillebrand

Hall: Gregale – Zephyros

T-III T10-1

Early ERF responses to final words in a sentence context during reading in individuals with autism spectrum disorders and typically developing individuals: an MEG study

Banu Ahtam, Sven Braeutigam, Anthony Bailey

T-III T10-2

Neural activations measured by fMRI during reading novels at ordinary and rapid speeds

Norio Fujimaki, Shinji Munetsuna, Toyofumi Sasaki, Tomoe Hayakawa, Aya Ihara, Qiang Wei, Yasushi Terazono, Tsutomu Murata

T-III T10-3

Frequency-dependent Spatiotemporal Distribution of Cerebral Oscillatory Changes during Silent Reading: a Magnetoencephalographic Group Analysis

Tetsu Goto, Masayuki Hirata

T-III T10-4

Neural-behavioral correlates of phoneme encoding and repetition

Alexander Herman, Anne Findlay, John Houde, Sophia Vinogradov, Srikantan Nagarajan

T-III T10-5

The neural substrate of self-perceptual speech in psychotherapy: A first look

Jon Houck, Theresa Moyers, Claudia Tesche

T-III T10-6

Language comprehension influenced by emotional context: an MEG study

Aya Ihara, Qiang Wei, Ayumu Matani, Norio Fujimaki, Haruko Yagura, Takeshi Nogai, Tsutomu Murata

T-III T10-7

Time Course and Neural Substrates of Comparing Visual and Auditory Words: A MEG and DTI Study

Lu Meng, Jing Xiang, Douglas Rose, Hong Zhao, Dazhe Zhao, Jingzhu Yang

T-III T10-8

Decoding object representation using magnetoencephalography

Gustavo Sudre, Dean Pomerleau, Mark Palatucci, Anto Bagic, Tom Mitchell

T-III T10-9

Dynamic brain responses to semantic incongruencies in the visually presented language streams

Kouichi Sutani, Sunao Iwaki

T-III T10-10

An MEG study of spoken word recognition using repetition priming

Kambiz Tavabi, David Embick, Timothy Roberts

T-III T10-11

Using a whole-head child MEG to assess language development in 4 year old children

Graciela Tesan, Blake Johnson, Rosalind Thornton, Melanie Reid, Stephen Crain

T-III T10-12

Neural activity changes by language learning: An MEG study

Qiang Wei, Aya Ihara, Norio Fujimaki, Tomoe Hayakawa, Tsutomu Murata

T-III T8-13

Neuromagnetic activity during an emotional think/no-think task

Anne Hauswald, Johanna Kissler

T-III T8-14

MEG Correlates of Subliminal vs Supraliminal Face Processing

Richard Henson

TUESDAY

T-III T8-15

Neuronal correlates of complex pattern encoding within human auditory cortex are modulated by musical training

Sibylle Herholz, Bastiaan Boh, Claudia Lappe, Christo Pantev

T-III T8-16

The temporal dynamics of decision under risk

Laurence Hunt, Matthew Rushworth, Tim Behrens

T-III T8-17

The early spread of spatial and non-spatial attentional effects in human visual cortex

Andreas A. Ioannides, Vahe Poghosyan

T-III T8-18

Attention gradually modulates occipital gamma band activity

Nina Kahlbrock, Markus Butz, Elisabeth May, Alfons Schnitzler

T-III T8-19

Effects of alcohol on cognitive control: MEG analysis in temporal and spectral domains

Sanja Kovacevic, Sheeva Azma, Jason Sherfey, Sarah Sheldon, Andrei Irimia, Ksenija Marinkovic

T-III T8-20

The role of neuronal oscillations for subjective perception of tactile simultaneity

Joachim Lange, Johanna Halacz, Alfons Schnitzler

T-III T8-21

Mental addition in bilinguals as revealed by magnetoencephalography (MEG)

Jo-Fu Lin, Toshiaki Imada, Keita Tanaka, Jen-Chuen Hsieh, Iku Nemoto, Patricia Kuhl

T-III T8-22

Successful long-term memory encoding relies on both engagement and disengagement of regions in an extended network

Esther Berendina Meeuwissen, Atsuko Takashima, Guillén Fernández, Ole Jensen

T-III T8-23

Temporal dissection of stimulus-driven and task-driven processes during perceptual decision about 3D SFM stimuli

Agnieszka Miskiewicz, Stéphane Buffat, Jean Lorenceau, Anne-Lise Paradis

T-III T8-24

Can pure noise have a meaning? How auditory gamma power is modulated by the familiarity of songs

Nadia Müller, Julian Keil, Thomas Grunwald, Hans-Jürgen Huppertz, Nathan Weisz

T-III T8-25

Male Attentional Bias for Female Faces

Yuka Okazaki, Arman Abrahamyan, Catherine Stevens, Andreas A. Ioannides

T-III T8-26

New buzzwords - early cortical responses to pseudo words after affective conditioning

Magdalene Ortmann, Christian Dobel, Johanna Kissler, Markus Junghöfer

T-III T8-27

Oscillatory activity in prefrontal cortex during implicit letter-location binding

Claudia Poch, Pablo Campo, Fabrice Parmentier, Jane Elsley, Francisco del Pozo, Fernando Maestú

T-III T8-28

Fair play in the brain – cortical activity in response to fair and unfair offers of a fictitious partner in a gambling design

Astrid Steffen, Gerald Schneider, Brigitte Rockstroh

T-III T8-29

Insulin modulation of the cortical processes

Krunoslav Stingl, Martina Guthoff, Katarina Stingl, Otto Tschritter, Martin Heni, Andreas Fritsche, Hubert Preissl

T-III T8-30

Cortical dynamics underlying the visual perception of stationary and moving stimuli

Wenqi Sun, Alexander Moiseev, Faisal Beg, Urs Ribary, Naznin Virji-Babul

T-III T8-31

Face recognition in children: MEG localisation of posterior and frontal sources

Margot Taylor, Travis Mills, Linda Zhang, Mary Lou Smith, Elizabeth Pang

T-III T8-32

Left temporal alpha band activity increases during working memory retention of pitches

Hanneke van Dijk, Ingrid Nieuwenhuis, Michael Schulte, Ole Jensen

T-III T8-33

Expectations about upcoming tactile events selectively modulate beta-band oscillations in human primary somatosensory cortex

Freek van Ede, Ole Jensen, Eric Maris

T-III T8-34

Exploring frontal lobe function using MEG: A simplified set-shifting task in adults

Julie Vidal, Travis Mills, Elizabeth W. Pang, Margot J. Taylor

T-III T8-35

Effective connectivity in face processing, as inferred from MEG, EEG and fMRI data

Daniel Wakeman, Rik Henson

T-III T8-36

Auditory spatial attention modulates alpha activity in right-hemispheric auditory and visual brain regions

Nathan Weisz, Virginie Attina, Emmanuel Maby, Guillaume Gibert, Jérémie Mattout, Olivier Bertrand

T-III T8-37

Cortical Networks at work: Using transfer entropy to quantify effective connectivity at the source level in perceptual closure

Michael Wibral, Michael Lindner, Christine Gruetzner, Peter Uhlhaas, Raul Vicente

T-III T8-38

Neural Dynamics of Alcohol Effects on Cognitive Control

Ksenija Marinkovic, Sheeva Azma

Wednesday, March 31

Hall: Lobby

W-L T11-1

Source space based Brain Computer Interface

Minkyu Ahn, Jun Hee Hong, Sung Chan Jun

W-L T11-2

Posterior alpha activity modulated by covert attention used as a control signal for BCI

Ali Bahramisharif, Marcel van Gerven, Yuka Okazaki, Tom Heskes, Ole Jensen

W-L T11-3

Exploiting prior neurophysiological knowledge to improve Brain Computer Interface performance

Arne Ewald, Andreas Ziehe, Guido Nolte, Forooz Shahbazi Avarvand

W-L T11-4

Development of a BCI system to assist a human auditory function: Identification of the listened sound from brain signals

Masanori Higuchi, Yuko Suzuka, Daisuke Oyama, Hisashi Kado

W-L T11-5

Asynchronous real-time mind-reading based on noninvasive measurement of brain electrical signals

Chang-Hwan Im, Han-Jeong Hwang

W-L T11-6

MEG feature selection in movement trajectory prediction

Liang Qi, Kaoru Amano, Tsunehiro Takeda

W-L T11-7

A real-time software toolbox for brain-machine interfaces using magnetoencephalography

Gustavo Sudre, Wei Wang, Tao Song, Matti Kajola, Ramana Vinjamuri, Jennifer Collinger, Alan Degenhart, Anto Bagic, Doug Weber

WEDNESDAY

W-L T9-8

MEG responses to sound in guinea pig and mouse

Alain de Cheveigné, Jennifer Linden, Maria Chait, Björn Christianson, David McAlpine, Gen Uehara, Yoshiaki Adachi, Jun Kawai, Masakazu Miyamoto, Hisashi Kado

W-L T9-9

TDCS-induced sensation as a function of current density and electrode size

Christopher M. Garcia, Vince Calhoun, Brian Coffman, John Phillips, Elaine Raybourn, Eric Wasserman, Michael Weisend

W-L T9-10

Direct measurement of neuronal current by MRI

John George, Leon Heller, Petr Volegov, Bryan Travis, Karlene Maskaly, Mark Flynn, Tuba Sahin-Owens, Andrei Matlashov, Robert Kraus, Michelle Espy

W-L T9-11

Direct neuronal current detection by low field MR: a feasibility study in a phantom

Jens Haueisen, Rainer Körber, Nora Höfner, Sven Martens, Martin Burghoff

W-L T9-12

Comparison of MEG and BOLD Signals in a Visual-Tactile Discrimination Task

Yiwen Li Hegner, Ying Lee, Erick Ortiz, Christoph Braun

W-L T9-13

Multimodal integration: constraining MEG localization with EEG and fMRI

Richard Henson

W-L T9-14

Magnetomodulation superconducting sensor for biomedical applications

L.P. Ichkitidze, M. V. Belodedov

W-L T9-15

Estimation of effective connectivity between cortical areas using near-infrared spectroscopy (NIRS)

Young-Jin Jung, Lee Seungduk, Koh Dalkwon, Kim Do-Won, Kim Beop-Min, Chang-Hwan Im

W-L T9-16

MEG and fMRI imaging of striatal and orbitofrontal involvement in rewards processing

Eliezer Kanak, Robert Scabassi, Wenyan Jia, Mingui Sun, Anto Bagic

W-L T9-17

Individual hypersensitivity to EMF revealed by nonlinear dynamics

Włodzimierz Klonowski

W-L T9-18

Simultaneous measurements of somatosensory evoked AC and near-DC MEG signals inside an extremely magnetically shielded room

Rainer Körber, Gabriel Curio, Stefan Hartwig, Ingo Hilschenz, Nora Höfner, Lutz Trahms, Jens Voigt, Martin Burghoff

W-L T9-19

Effect of skull discontinuities on MEG: experimental results

Stephan Lau, Lars Flemming, Levin Kuhlmann, Jens Haueisen

W-L T9-20

Short-term effects of different transcranial magnetic stimulation paradigms on auditory cortical responses: implications for the treatment of chronic tinnitus

Isabel Lorenz, Nadia Mueller, Berthold Langguth, Winfried Schlee, Nathan Weisz

W-L T9-21

Characterizing cerebral and extracerebral components in TMS-evoked near-infrared spectroscopy signals

Hanna Mäki, Tiina Näsi, Kalle Kotilahti, Ilkka Nissilä, Pekka Meriläinen, Risto J. Ilmoniemi

W-L T9-22

MEG software shielding with multilayer sensor arrays and vector sensors

Jussi Nurminen, Samu Taulu, Yoshio Okada

WEDNESDAY

W-L T9-23

Investigation of gamma activity suppression as an electrophysiological correlate of BOLD deactivation in the default-mode network

Tomas Ossandon, Karim Jerbi, Juan Vidal, Dimitri Bayle, Olivier Bertrand, Philippe Kahane, Sarang S Dalal, Jean-Philippe Lachaux

W-L T9-24

Real-time spatial localization system of brain regions for TMS application by co-register with fMRI

André Salles Cunha Peres, Eduardo Matos Rodrigues, Victor Hugo de Oliveira e Souza, Carlos Ernesto Garrido Salmon, Daulio Barros de Araújo, Oswaldo Baffa Filho

W-L T9-25

Noise Reduction of DC Measurements based on Neuronal Network Data Processing

Wolfgang Mueller, Silvia Knappe-Grueneberg, Rainer Koerber, Heike Richter, Tilmann Sander, Frank Wiekhorst, Martin Burghoff, Tino Gablenz, Lutz Herrmann

W-L T9-26

Examining the inhibitory role of motor cortex mu and beta frequency bands - a combined EEG/TMS study

Hannah Schulz, Nathan Weisz, Julian Keil, Thomas Hartmann

W-L T9-27

Potassium optically pumped magnetometer for shielded and partly shielded biomagnetic measurements

Samo Begus, Vojko Jazbinsek, Zvonko Trontelj

W-L T9-28

Hybrid MEG-MRI: Geometry and time course of magnetic fields inside a magnetically shielded room

Panu Vesanen, Risto Ilmoniemi

W-L T9-29

Combined MEG and ultra-low field MRI

Petr Volegov, Vadim Zotev, Andrei Matlashov, Henrik Sandin, Karlene Maskaly, Igor Savukov, Algis Urbaitis, John Gomez, Shaun Newman, Mark Peters, Robert Kraus, John George, Michelle Espy

W-L T9-30

A scalable architecture for magnetoencephalography with atomic magnetometers

Michael Weisend, Cort Johnson, Peter Schwindt

W-L T9-31

Integrated arrays of optically pumped magnetometers

Stefan Woetzel, Volkmar Schultze, Rob Ijsselstein

Hall: Levantera

W-I T3-1

Comparing multivariate and randomisation testing thresholds in MEG source space

Gareth Barnes, Vladimir Litvak

W-I T3-2

Asimptotic stability in the network with feedback and conflict resolution

Lavoslav Caklovic

W-I T3-3

A full subtraction approach for finite element method based source analysis using constrained Delaunay tetrahedralisation

Florian Drechsler, Carsten Wolters, Thomas Dierkes, Hang Si, Lars Grasedyck

W-I T3-4

An approach for realistic source reconstruction incorporating anatomical priors

Mirco Fuchs, Thomas R. Knösche, Burkhard Maess

W-I T3-5

Source Space Constraints in Realistically Shaped Volume Conductor Models with Lesion Cavities

Manfred Fuchs, Jörn Kastner, Reyko Tech, Michael Wagner

W-I T3-6

An empirical evaluation of free BEM solvers for accurate M/EEG forward modeling

Alexandre Gramfort, Theodore Papadopoulos, Emmanuel Olivi, Maureen Clerc

W-I T3-7

The Berger effect revised: is there indeed a structural change in the M/EEG dynamics in the transition between eyes open and eyes closed resting states?

Avgis Hadjipapas, Erik Casagrande

W-I T3-8

Comparison of noise-normalized minimum norm estimates using multiple resolution metrics

Olaf Hauk, Daniel G. Wakeman, Richard Henson

W-I T3-9

A method for MEG data that obtains linearly-constrained minimum-variance beamformer solution by minimum-norm least-squares method

Toshiaki Imada

W-I T3-10

Basis functions source model applied for MEG Spatio-Temporal Source Reconstruction

Jing Kan, Richard Wilson

W-I T3-11

Domain decomposition for coupling finite and boundary element methods in EEG

Emmanuel Olivi, Maureen Clerc, Theodore Papadopoulos

W-I T3-12

Robust Estimates of Functional Connectivity with MEG Data

Julia Owen, David Wipf, Hagai Attias, Kensuke Sekihara, Srikantan Nagarajan

W-I T3-13

PFT: a Particle Filtering Toolbox for MEG

Alberto Sorrentino, Cristina Campi, Annalisa Pascarella, Michele Piana

W-I T3-14

Sensitivity of beamformer source analysis to deficiencies in forward modeling

Olaf Steinstraeter, Stephanie Sillekens, Markus Junghoefer, Martin Burger, Carsten Wolters

W-I T3-15

Anatomical Information in Beamformer Images

*Claire Stevenson, Matthew Brookes, Peter Morris,
Gareth Barnes*

W-I T3-16

Signal space separation beamformer

Samu Taulu, Jiri Vrba, Jukka Nenonen, Antti Ahonen

W-I T3-17

**Disentangling mechanisms of evoked EEG/MEG
response generation: A critical view**

Bartosz Telenczuk, Vadim Nikulin, Gabriel Curio

W-I T3-18

**An algebraic method for eye blink artifacts detection in
single channel EEG recordings**

*Zoran Tiganj, Mamadou Mboup, Christophe Pouzat,
Lotfi Belkoura*

W-I T3-19

**Skull thickness versus mesh density - a study on BEM
discretization error**

Pascal Werner, Matti Stenroos

W-I T3-20

MEG Detects Alpha-Power Modulations in Pulvinar

*Yohan Attal, Jérôme Yelnik, Eric Bardinet, Marie Chupin,
Sylvain Baillet*

W-I T4-21

**Localization of stereotypic brain responses detected
by instantaneous phase statistics from independent
components**

*Jürgen Dammers, Michael Schiek, Frank Boers, Ralph
Weidner, Heike Thönnessen, Yu-Han Chen, Klaus
Mathiak, N. Jon Shah*

W-I T4-22

**Phase-related phenomena in MEG analyzed by phase-
compensated averaging**

*Ayumu Matani, Yasushi Naruse, Tomoe Hayakawa,
Takeshi Nogai, Yasushi Terazono, Norio Fujimaki,
Tsutomu Murata*

WEDNESDAY

W-I T4-23

Correction of disturbances caused by temporary and continuous head movements

Jukka Nenonen, Jussi Nurminen, Dubravko Kičić, Rozaliya Bikmullina, Pantelis Lioumis, Seppo Kähkönen

W-I T4-24

Repeatability of AEF and SEF from static and moving head positions

Jukka Nenonen, Liisa Helle, Samu Taulu, Lauri Parkkonen, Antti Ahonen

W-I T4-25

Performance Evaluation of a Novel, Bayesian Source Reconstruction Technique for MEG

Julia Owen, David Wipf, Hagai Attias, Kensuke Sekihara, Srikantan Nagarajan

W-I T4-26

Separating independent components of neuromagnetic brain rhythms by combining spatial and spectral sparseness

Pavan Ramkumar, Aapo Hyvarinen, Lauri Parkkonen, Riitta Hari

W-I T4-27

Improving epilepsy localization accuracy using a 1st-order multipole beamformer

Stephen Robinson

W-I T4-28

Optimizing the quality of SSS-based position transformation of MEG data

Margit Schönherr, Samu Taulu, Angela Friederici, Burkhard Maess

W-I T4-29

Effects of the variation of sound intensity on an auditory evoked N1m

Yoshiharu Soeta, Seiji Nakagawa

W-I T4-30

Complex canonical correlation analysis applied to the detection of functional connectivity with MEG

Juan L.P. Soto, Dimitrios Pantazis, Karim Jerbi, Jean-Philippe Lachaux, Sylvain Baillet, Richard M. Leahy

W-I T4-31

A novel K-means based multivariate clustering of IC-fingerprints

Sara Spadone, Francesco de Pasquale, Stefania Della Penna, Dante Mantini, Vittorio Pizzella, Gian Luca Romani

W-I T4-32

Extraction of evoked magnetic field from single epoch MEG data with recursive Bayesian approach

Yutaka Uno, Kaoru Amano, Tsunehiro Takeda

W-I T4-33

Relevant observations for averaging stimulus evoked magnetic fields across trials and across subjects

Norman Zacharias, Cezary Sieluzkyi, Artur Matysiak, Reinhard König, Peter Heil

Hall: Boreas

W-II T6-1

In search of neural signatures of visual binding : a MEG/SSVEF study

Charles Aissani, Benoit Cottureau, Anee-Lise Paradis, Jean Lorenceau

W-II T6-2

Copper negatively correlated with neuronal glutamatergic excitability in right handed healthy subjects

Giovanni Assenza, Rosanna Squitti, Filippo Zappasodi, Giulia Barbatì, Leo Tomasevic, Stefania Mariani, Franca Tecchio

W-II T6-3

Dependence of Mu-rhythm on age in children 1-12 month-old

Marika Berchicci, Tongsheng Zhang, Lucinda Romero, Amanda Peters, Robert Annett, Ursina Teuscher, Maurizio Bertollo, Yoshio Okada, Julia Stephen, Silvia Comani

W-II T6-4

Sensorimotor Gamma-Band Synchronization and Empathic Sharing of Others' Pain

Viviana Betti, Filippo Zappasodi, Paolo Maria Rossini, Salvatore Maria Aglioti, Franca Tecchio

WEDNESDAY

W-II T6-5

Functional motor mapping using corticokinetic coherence in MEG

Mathieu Bourguignon, Xavier De Tiège, Marc Op de Beeck, Benoît Pirotte, Patrick Van Bogaert, Serge Goldman, Riitta Hari, Veikko Jousmäki

W-II T6-6

Neuronal synchronization during saccade planning to tactile targets

Verena Nadine Buchholz, Ole Jensen, W. Pieter Medendorp

W-II T6-7

Sex-Related Differences in Cortical Inhibition to Repeated Electrical Stimulation in Adolescents

Colleen Dockstader, Rosemary Tannock, Karen D Davis, Patricia A McGrath, Douglas Cheyne

W-II T6-8

Quantification of Power and Coherence of the Electrophysiological Activity of Brain Areas Involved in a Visuo-Tactile Task

Xinyao Guo, Yangmei Chen, Lu Meng, Xiaoshan Wang, Yingying Wang, Jing Xiang

W-II T6-9

Sensorimotor and auditory cortical activity during passive listening to rhythmic tone sequences

Joanne Hale, Matthew Brookes, Claire Stevenson, Johanna Zumer, Julia Owen, Gareth Barnes, Susan Francis, Srikantan Nagarajan, Peter Morris

W-II T6-10

Crossmodal Audio-Visual Integration In The Human Auditory and Visual Cortices Revealed By Magnetoencephalography

Raffaella Franciotti, Alfredo Brancucci, Stefania Della Penna, Vittorio Pizzella, Gian Luca Romani, Luca Tommasi

W-II T6-11

Magnetic Evoked Responses During An Auditory Illusion

Raffaella Franciotti, Alfredo Brancucci, Anita D'Anselmo, Stefania Della Penna, Vittorio Pizzella, Gian Luca Romani, Luca Tommasi

W-II T6-12

Rapid cortical plasticity associated with audiovisual integration

Rodney Gabriel, Virginie van Wassenhove, Srikantan Nagarajan

W-II T6-13

Age predicts visual gamma oscillation frequency

William Gaetz, Suresh Muthukumaraswamy, Krish Singh, Timothy Roberts

W-II T6-14

Dynamic functional connectivity between contralateral and ipsilateral motor cortices observed using the Multi-Source Interference Task

William Gaetz, Cheng Liu, Hongmei Zhu, Timothy Roberts

W-II T6-15

Comparison between the thalamocortical propagation of somatosensory evoked low and high frequency activity based on combined EEG/MEG measurements

Theresa Götz, Jens Haueisen

W-II T6-16

High-frequency oscillations in EEG and MEG recordings are modulated by cognitive context

Theresa Götz, Gabriel Curio, Stefan Debener, Otto Witte, Herbert Witte, Jens Haueisen

W-II T6-17

Quantification of the time and frequency signatures of visual cortical activation in the developing brain: A study with MEG and Wave-cross spectrogram

Silvia Erla, Luca Faes, Christos Papadelis, Svenja Borchers, Carola Arfeller, Christoph Braun, Giandomenico Nollo

W-II T6-18

Sensorimotor cortex connectivity measured during rest with MEG and 7T fMRI

Paul Ferrari, Douglas Cheyne, Kelly Jantzen, JA Scott Kelso, Armin Fuchs

WEDNESDAY

W-II T6-19

MEG investigation of gamma-band cortical activity and figure-ground segmentation in human vision

Ian Holliday, Kristofer Kinsey, Avgis Hadjipapas, Stephen Anderson

W-II T6-20

A MEG investigation of cortical and subcortical networks involved in human voluntary saccades and smooth pursuit eye movements

Andreas A. Ioannides, Peter B.C. Fenwick, Lichan Liu

W-II T6-21

Prestimulus Oscillatory Brain Activity Influences The Perception Of The McGurk-Effect

Julian Keil, Niklas Ihssen, Nathan Weisz

W-II T6-22

Obtaining auditory M100 responses in children: Success rates

Sarah Y. Khan, J. Christopher Edgar, Justin F. Monroe, Kate M. Cannon, Lisa Blaskey, Saba Qasmieh, Sue E. Levy, Timothy P.L. Roberts

Hall: Gregale – Zephyros

W-III T10-1

Event-related fields and cortical rhythms to native and nonnative phonetic contrasts in infants and adults

Alexis Bosseler, Samu Taulu, Toshi Imada, Elina Pihko, Antti Ahonen, Jyrki Mäkelä, Patricia Kuhl

W-III T10-2

Neuronal effects of the SpeechEasy treatment for stuttering

Susan Bowyer, Jennifer Peacock, Norman Tepley, John Moran

W-III T10-3

The effect of multiple variables on brain responses in overt picture naming: A multiple regression MEG study

Olaf Hauk, Friedemann Pulvermuller, Michele Miozzo

W-III T10-4

When do three sticks become the letter “A”?

Anthony Herdman

W-III T10-5

Interaction of syntax, prosody and spatial lateralization during the processing of language

Björn Herrmann, Burkhard Maess, Anja Hahne, Erich Schröger, Angela Friederici

W-III T10-6

Investigating language processing of syntax and prosody via dynamic causal modelling (DCM) on MEG data

Burkhard Maess, Olivier David, Korinna Eckstein, Angela D. Friederici

W-III T10-7

The relationship between speech acoustics and cortical oscillations: An application of MEG coherence measures using auditory signals

Jonathan Peelle, Joachim Gross, Matthew Davis

W-III T10-8

Comparison of neuronal processing of spoken and sung rhymes between professional singers, actors and laymen

Ken Rosslau, Sibylle Herholz, Arne Knief, Antoinette am Zehnhoff-Dinnesen, Christo Pantev

W-III T10-9

Attention to language: Novel MEG paradigm for registering involuntary language processing in the brain

Yury Shtyrov, Marie Smith, Rik Henson, Ed Bullmore, Pradeep Nathan, Friedemann Pulvermüller

W-III T10-10

MEG for the masses: Approaches to group statistics in source space

Jason R. Taylor, Richard N. Henson

W-III T10-11

Transient Impairment of Word Processing following Eye Movements

Simona Temereanca, Matti Hamalainen, Eric Halgren, Emery Brown

WEDNESDAY

W-III T12-12

MEG of Parkinsonian patients with deep brain stimulation

Katja Airaksinen, Jyrki P. Mäkelä, Samu Taulu, Antti Ahonen, Juha Pohjola, Jussi Nurminen, Alfons Schnitzler, Eero Pekkonen

W-III T12-13

Motor performance of ALS patients during isometric contraction

Sasa Zivkovic, Gustavo Sudre, Rick Hendrickson, Anto Bagic

W-III T12-14

Utilization of Magnetoencephalography for the Detection of Central Nervous System Dysfunction in HIV Disease

James Becker, Gustavo Sudre, Melissa Fabrizio, Lauri Parkkonen, Anna Haridis, David Wolk, Anto Bagic

W-III T12-15

MEG-Clinic: a comprehensive software application to optimize the workflow of clinical MEG data

Elizabeth Bock, Sylvain Baillet

W-III T12-16

Neurocognitive awareness measured by MEG/EEG: Clinical tools development

Ryan D'Arcy, Careesa Liu, Sujoy Ghosh Hajra, Lauren Sculthorpe, Donald Weaver, Gerhard Stroink

W-III T12-17

Magnetoencephalography reveals thalamocortical dysrhythmia in children born very preterm

Sam Doesburg, Urs Ribary, Anthony Herdman, Alexander Moiseev, Teresa Cheung, Steven Miller, Hal Weinberg, Ruth Grunau

W-III T12-18

MEG and Intracranial EEG Source Localization with Particularized Frequency in Tuberous Sclerosis Complex

Hisako Fujiwara, Douglas Rose, Ki Lee, Francesco Mangano, Nat Hemasilpin, David Franz

W-III T12-19

Preoperative localization of language and verbal memory activity with MEG and fMRI

Peter Grummich, Michael Buchfelder, Oliver Ganslandt

W-III T12-20

Localization of pathological low frequency oscillation in stroke patients

Liisa Helle, Jyrki P. Mäkelä, Nina Forss, Samu Taulu, Kristina Roiha, Antti Ahonen

W-III T12-21

Dysfunctional gamma band activity during face structural processing in schizophrenia patients

Do-Won Kim, Seung-Hwan Lee, Chang-Hwan Im

W-III T12-22

Impairment in facial affect processing of schizophrenia patients: An sLORETA study

Do-Won Kim, Seung-Hwan Lee, Chang-Hwan Im

W-III T12-23

Inter-trial variability in mismatch negativity – new insight into abnormal mismatch negativity in schizophrenia

Todor Jordanov, Tzvetan Popov, Nathan Weisz, Brigitte Rockstroh

W-III T12-24

MEG slow wave dipole density (swdd) in presurgical evaluation of epilepsy patients: Preliminary results of a prospective study

Martin Kaltenhäuser, Stefan Rampp, Tanja Ehrenfried, Marcel Heers, Hermann Stefan

W-III T12-25

Subjective memory complaints are associated with differential biomagnetic patterns during a memory task

Fernando Maestú, Evgenia Baykova, Jose María Ruiz, Pedro Montejo, María Mercedes Montenegro, Marcos Llanero, Elena Solesio, Pedro Gil, Raquel Yubero, Francisco del Pozo, Tomás Ortiz, Nuria Paul, Angel Nevado

WEDNESDAY

W-III T12-26

Cortical Abnormalities in Creutzfeldt-Jakob Disease Measured by MEG, a Case Report

Eero Pekkonen, Juha Wilenius, Jukka Lyytinen, Anders Paetau, Maarit Palomäki, Jyrki Mäkelä

W-III T12-27

Source Activity, Connectivity, and Causality in Tinnitus Patient Modulated by Electrical Cortical Stimulation

Rey Ramirez, Brian Kopell, Christopher Butson, David Friedland, Wolfgang Gaggl, Sylvain Baillet

W-III T12-28

Mental Fatigue Enhances Visual Evoked Magnetic Field

Yoshihito Shigihara, Masaaki Tanaka, Etsuko Kanai, Masami Funakura, Yasuyoshi Watanabe

W-III T12-29

A magnetoencephalographic study of the development of face processing in children with and without autism spectrum disorders

Jennifer Swettenham, Sian Griffiths, Anthony Bailey

W-III T12-30

Sensitivity to gaps in noise: Using MEG to assess auditory temporal resolution in paediatric populations

Joel Talcott, Tulpesh Patel, Sue Beath, Deirdre Kelly, Stefano Seri, Gareth Griffiths, Caroline Witton

W-III T12-31

Oxidative stress and brain glutamate-mediated excitability in depressed patients

Carlo Salustri, Rosanna Squitti, Filippo Zappasodi, Leo Tomasevic, Mariacarla Ventriglia, Gabriela Bevacqua, Mauro Fontana, Paolo Maria Rossini, Franca Tecchio

W-III T12-32

Thalamo-cortical sensorimotor circuit in Multiple Sclerosis: an integrated structural and electrophysiological assessment

Maria Luisa Dell'Acqua, Doriana Landi, Giancarlo Zito, Filippo Zappasodi, Domenico Lupoi, Paolo M. Rossini, Maria M. Filippi, Franca Tecchio

W-III T12-33

Auditory gamma activity is decreased after stimulant administration in patients with ADHD

Tony W. Wilson, Matthew L. White, Nichole L. Knott, Martin W. Wetzel

W-III T12-34

Children with ADHD exhibit reduced attention-based modulation of auditory cortical responses

Tony W. Wilson, Diane E. May, Nichole L. Knott, Christopher J. Kratochvil

W-III T12-35

Neuromagnetic Signatures of Abnormal Excitability of Motor Cortices in Adolescent Migraine

Xiaoshan Wang, Jing Xiang, Yingying Wang, Maria Pardos, Lu Meng, Scott W Powers, Marielle A Kabbouche, Andrew D Hershey

W-III T12-36

Primary sensorimotor areas' connectivity in focal task-specific hand dystonia

Jean Marc Melgari, Filippo Zappasodi, Camillo Porcaro, Leo Tomasevic, Emanuele Cassetta, Paolo Maria Rossini, Franca Tecchio

WEDNESDAY

INDEX

A

Abe, Takayuki, T-L T9-30,
 Abrahamyan, Arman, T-III T8-25,
 Adachi, Yoshiaki, M-I T4-18, M-III T7-18, T-L T9-17*, T-L T9-18*, W-L T9-8,
 Adachi, Tsunemichi, M-II T6-1*,
 Adam, Claude, S-8.1,
 Ageyama, Naohide, M-L T1-1*,
 Aglioti, Salvatore Maria, W-II T6-4,
 Agostinho, Marcelo, M-I T4-13*, T-L T9-19
 Aguera, Pierre-Emmanuel, M-III T8-23,
 Ahlfors, Seppo, T-I T3-1*,
 Ahn, Minkyu, T-I T4-21, W-L T11-1*
 Ahn, Hyuk, W-2.4, M-L T1-9, M-I T5-24, M-I T5-25, M-I T5-28, M-I T5-29, M-I T5-30, M-I T5-34
 Ahonen, Antti, S-1.4, M-III T7-21, W-I T3-16, W-I T4-24, W-III T10-1, W-III T12-12, W-III T12-20,
 Ahtam, Banu, T-III T10-1*,
 Aine, Cheryl, S-6.3, T-I T3-11
 Airaksinen, Katja, W-III T12-12*,
 Aissani, Charles, W-II T6-1*,
 Albouy, Genevieve, M-III T8-23*,
 am Zehnhoff-Dinnesen, Antoinette, T-II T6-1, W-III T10-8
 Amano, Kaoru, M-II T6-2*, W-L T11-6, W-I T4-32,
 Amemiya, Kaoru, M-II T6-3*,
 Américo, Madileine, M-L T2-15*, M-I T4-13, M-L T2-20, M-L T2-26, M-L T2-28, M-L T2-31, T-L T9-19*,
 Anderson, Stephen, W-II T6-20,
 Andreis, Uilian, M-L T2-15,
 Angeles, Annemarie, S-4.1,
 Annett, Robert, W-II T6-3,
 Anninos, Photios, M-III T7-7, M-III T7-8
 Aonuma, Kazutaka, M-L T1-8,
 Aonuma, Kazutaka, W-2.2,
 Aoyama, Atsushi, M-II T6-4,
 Aoyama, Kakuto, M-III T8-24*,
 Arfeller, Carola, T-II T6-9, W-II T6-18
 Ashrafulla, Syed, M-I T4-14*,
 Assenza, Giovanni, W-II T6-2*,
 Attal, Yohan, T-I T3-3, W-I T3-20*
 Attias, Hagai, M-I T4-20, M-I T4-21, W-I T3-12, W-I T4-25
 Attina, Virginie, T-III T8-36,
 Avarvand, Forooz Shahbazi, M-I T4-15*, W-L T11-3
 Azma, Sheeva, T-III T8-19, T-III T8-38

B

Baer, Markus, M-L T2-31,
 Baffa Filho, Oswaldo, W-L T9-24,
 Bagic, Anto, T-III T10-8, W-L T11-7, W-L T9-16, W-III T12-13, W-III T12-14,
 Bahramisharif, Ali, S-9.1, W-L T11-2*
 Bailey, Anthony, T-III T10-1, W-III

T12-29

Baillet, Sylvain, S-8.1, M-I T3-5, T-I T3-9, W-III T12-27, W-I T3-20, W-I T4-30, W-III T12-15,
 Baker, Dewleen, S-4.1,
 Baltag, Octavian, T-L T1-7,
 Bamidis, Panagiotis, T-L T9-20,
 Barbati, Giulia, W-II T6-2,
 Barbosa-Sabanero, Gloria, M-L T2-22,
 Bardinet, Eric, W-I T3-20,
 Barendregt, Henk, T-II T6-23,
 Barkley, Gregory, M-III T7-17,
 Barnes, Gareth, S-8.3, M-I T4-17, T-L T9-21, T-L T9-24, T-I T3-4, W-I T3-1*, W-I T3-15, W-II T6-9
 Barrow, Rane, M-III T8-28,
 Bauer, Markus, T-L T9-21*,
 Baumgarten, Daniel, M-L T2-17, M-L T2-21, M-L T2-28, M-L T2-31, T-L T9-22*,
 Baykova, Evgenia, W-III T12-25,
 Bayle, Dimitri, W-L T9-23,
 Beath, Sue, W-III T12-30,
 Becker, James, W-III T12-14*,
 Beg, Faisal, T-III T8-30,
 Begus, Samo, T-L T9-23, W-L T9-27*
 Behrens, Tim, T-III T8-16,
 Belardinelli, Paolo, S-2.3,
 Belkoura, Lotfi, W-I T2-18,
 Belliveau, John W, M-II T6-8,
 Belodedov, M. V., W-L T9-14,
 Beop-Min, Kim, W-L T9-15,
 Berchicci, Marika, W-II T6-3*,
 Bertollo, Maurizio, W-II T6-3,
 Bertrand, Olivier, S-8.1, S-9.3, M-III T7-3, M-III T8-23, T-III T8-36, W-L T9-23
 Besseghini, Stefano, M-II T6-22,
 Best, Elaine, T-I T3-11,
 Betti, Viviana, W-II T6-4*,
 Bevacqua, Gabriela, W-III T12-31,
 Bijma, Fetsje, T-I T4-20,
 Bikmullina, Rozaliya, W-I T4-23,
 Biller, Sebastian, M-L T2-17*,
 Bing, Lu, M-L T1-2*,
 Bison, Georg, T-L T1-9, T-L T1-16
 Blaskey, Lisa, W-II T6-23,
 Bock, Elizabeth, W-III T12-15*,
 Boers, Frank, M-I T4-17*, M-III T8-27, W-I T4-21,
 Boh, Bastiaan, T-III T8-15,
 Boon, Paul, M-III T7-13,
 Borchers, Svenja, W-II T6-18,
 Bosseler, Alexis, S-1.4, W-III T10-1*
 Bouet, Romain, M-III T7-3*,
 Bourguignon, Mathieu, W-II T6-5*,
 Bowyer, Susan, M-III T7-17, W-III T10-2*
 Boychak, Mykhailo, T-L T1-2, T-L T1-3
 Bradbury, David, T-L T9-24*,
 Bradshaw, Alan, M-L T2-18*,
 Braeutigam, Sven, S-1.5, M-III T8-29, M-III T8-32, T-III T10-1
 Brancucci, Alfredo, W-II T6-10, W-II T6-11

Brändle, Johanna, M-I T5-23*,
 Braun, Christoph, T-I T4-14, T-II T6-9, W-L T9-12, W-II T6-18
 Broadhurst, John, M-III T8-35,
 Brookes, Matthew, M-I T4-16*, M-II T6-24, M-III T8-25*, W-I T3-15, W-II T6-9,
 Brown, Peter, S-8.2,
 Brown, Emery, W-III T10-11,
 Buchfelder, Michael, W-III T12-19,
 Buchholz, Verena, T-II T6-21, W-II T6-6*
 Budnyk, Mykola, M-L T1-4, T-L T1-1*, T-L T1-2, T-L T1-3
 Budnyk, Vitaly, T-L T1-1,
 Buffat, Stéphane, T-III T8-23,
 Bullmore, Ed, W-III T10-9,
 Burger, Martin, W-I T3-14,
 Burghoff, Martin, T-L T9-25*, W-L T9-11, W-L T9-18, W-L T9-25
 Burke, Broc, T-L T9-26*,
 Butson, Christopher, W-III T12-27,
 Butz, Markus, T-III T8-18,

C

Caklovic, Lavoslav, W-I T3-2*,
 Calabro, Finnegan, T-II T6-20,
 Calhoun, Vince, M-III T8-28, W-L T9-9
 Campi, Cristina, W-I T3-13,
 Campo, Pablo, M-III T8-26*, T-III T8-27
 Ca?ive, Jose, S-4.4,
 Cannies, Gregory, T-L T1-10,
 Cannon, Kate, W-II T6-23,
 Carpay, Hans, M-III T7-13,
 Casagrande, Erik, S-8.3,
 Casagrande, Erik, W-I T3-7,
 Cassetta, Emanuele, W-III T12-36,
 Castagna, Natascia, T-L T1-16,
 Chait, Maria, W-L T9-8,
 Chang, Wei-Tang, M-I T3-1,
 Chatzimichael, Athanasios, M-III T7-7, M-III T7-8
 Chaykovskyy, Illya, M-L T1-3*, T-L T1-2*, T-L T1-3*,
 Che, Huije, M-III T7-9,
 Chen, Yu-Han, M-I T4-16, M-L T1-11, M-III T8-27*, W-I T4-21
 Chen, Chih-Chuan, M-II T6-5,
 Chen, Kuen-Lin, M-II T6-5*,
 Chen, Hsin-Hsien, T-L T9-31,
 Chen, Ming-Jye, T-L T9-31,
 Chen, Yangmei, W-II T6-8,
 Cheulkar, Bageshree, S-5.3,
 Cheung, Teresa, M-L T2-32*, M-L T2-22, M-I T3-6, M-III T8-31, W-III T12-17,
 Cheyne, Douglas, M-III T7-1*, M-III T7-11, M-III T7-12, M-III T7-20, T-I T4-16, W-II T6-7, W-II T6-19,
 Chieh, J.J., M-L T2-19*,
 Chiu, Ming-Jang, M-II T6-5,
 Cho, Jae-Hyun, M-III T7-6,
 Choi, Jong-Ho, M-III T7-2*,
 Christianson, Björn, W-L T9-8,

Chu, Ying-Hua, M-I T3-2*,
 Chung, Chun Kee, M-II T6-9, M-II T6-10, M-II T6-11, M-II T6-17, M-III T7-9, M-III T7-2, M-III T8-38, M-III T8-38
 Chung, Eric, M-L T2-18,
 Chupin, Marie, W-I T3-20,
 Ciancetta, Luca, S-2.3,
 Clark, Vincent, M-III T8-28,
 Clerc, Maureen, W-4.3, W-4.1*, W-I T3-6, W-I T3-11
 Coffman, Brian, M-III T8-28*, W-L T9-9
 Cohen, David, S-6.1*,
 Collinger, Jennifer, W-L T11-7,
 Comani, Silvia, S-5.4*, T-I T5-24, W-II T6-3,
 Coppola, Richard, S-9.2*,
 Cora, Luciana, M-L T2-15,
 Corbetta, Maurizio, S-2.3,
 Cordova, Teodoro, M-L T1-5*,
 Cornwell, Brian, S-4.2*,
 Costandache, Doina, T-L T1-7,
 Cottereau, Benoit, W-II T6-1,
 Coulson, Louisa, M-III T8-29*,
 Crain, Stephen, S-1.4, T-III T10-11, T-L T9-17,
 Criado, JR, T-I T4-19,
 Cui, Li, S-4.1,
 Cuneo, Bettina, S-5.3,
 Curio, Gabriel, T-L T9-25, T-I T3-8, W-L T9-18, W-I T3-17, W-II T6-17,

D

Dabek, Juhani, T-L T9-32*,
 Dalal, Sarang, S-8.1*, W-L T9-23
 Dalkwon, Koh, W-L T9-15,
 Dammers, Jürgen, M-I T4-16, M-III T8-27, W-I T4-21*,
 Dang, Hung, T-I T3-2*, T-I T4-13*
 Dannhauer, Moritz, M-III T7-16, T-I T3-5
 D'Anselmo, Anita, W-II T6-11,
 D'Arcy, Ryan, W-III T12-16*,
 David, Valeriu, T-L T1-7,
 David, Olivier, W-III T10-6,
 Davis, Karen, W-II T6-7,
 Davis, Matthew, W-III T10-7,
 de Araújo, Daulio Barros, W-L T9-24,
 de Cheveigné, Alain, W-L T9-8*, T-L T9-18
 De Melis, Massimo, M-L T1-6,
 de Oliveira e Souza, Victor Hugo, W-L T9-24,
 de Pasquale, Francesco, S-2.3*, T-II T6-17, W-I T4-31,
 De Ti?ge, Xavier, W-II T6-5,
 Debener, Stefan, W-II T6-17,
 Degenhart, Alan, W-L T11-7,
 deGrauw, Ton, T-II T6-22,
 del Pozo, Francisco, M-III T8-26, T-III T8-27, W-III T12-25,
 Della Penna, Stefania, S-2.3, T-I T3-6, T-II T6-17, W-I T4-31, W-II T6-10, W-II T6-11
 Dell'Acqua, Maria Luisa, W-III T12-

32*,
 Delpuech, Claude, M-III T7-3, M-III
 T8-23, M-III T8-34,
 Demarchi, Gianpaolo, M-I T4-21*,
 Deuster, Dirk, T-II T6-1,
 Di Pietro Paolo, Dania, T-L T1-4,
 Diamond, Solomon, T-L T9-26,
 Dierkes, Thomas, W-I T3-3,
 Diwakar, Mithun, S-4.1,
 Dobel, Christian, M-III T8-30*, T-III
 T8-26
 Dockstader, Colleen, W-II T6-7*,
 Doesburg, Sam, M-III T8-31*, W-III
 T12-17*
 Dovbysh, Anatoly, M-L T1-4, T-L T1-2
 Do-Won, Kim, W-L T9-15,
 Draganova, Rossitza, M-I T5-23, M-I
 T5-26, M-I T5-24, M-I T5-29, M-I T5-
 30, T-I T5-27
 Drake, Christopher, M-III T8-36,
 Drake, William, M-L T1-13, T-I T5-30
 Drake, Angela, S-4.1,
 Drechsler, Florian, W-I T3-3*,
 Driver, Jon, T-L T9-21,
 Dubal, Stéphanie, T-I T3-3,
 Ducorps, Antoine, S-8.1, T-I T4-15*
 Duffy, Frank H., M-III T7-16,
 Dumas, Thibaud, T-I T3-3*,
 Dyvorne, Hadrien, T-L T9-27,

E

Eberbeck, Dietmar, M-L T2-20*,
 Ebmeier, Klaus, M-III T8-29,
 Eckstein, Gretchen, S-5.3,
 Eckstein, Korinna, W-III T10-6,
 Edgar, J. Christopher, S-4.4*, W-II T6-
 23, W-II T6-15,
 Ehrenfried, Tanja, W-III T12-24,
 Eichardt, Roland, S-5.2, M-L T2-
 21*, M-III T7-5,
 Eiling, Gregor, W-2.1, T-L T1-15
 Elbert, Thomas, S-4.5,
 Elisevich, Kost, M-III T7-17,
 Elsley, Jane, M-III T8-26, T-III T8-27
 Embick, David, T-III T10-10,
 Ercolani, Matilde, M-II T6-22,
 Erickson, Jon, M-L T2-18,
 Erla, Silvia, T-II T6-9, W-II T6-18*
 Erne, Sergio Nicola, T-L T1-4, T-L T1-9
 Espy, Michelle, W-L T9-10, W-L T9-29
 Eswaran, Hari, S-5.5, M-I T5-23, M-I
 T5-28, M-I T5-29, M-I T5-34, T-I T5-
 23, T-I T5-25, T-I T5-31, T-I T5-32*, T-I
 T5-33, T-I T5-36,
 Eusebio, Alexandre, S-8.2,
 Evangelista, Giovana, M-L T2-15, M-L
 T2-16
 Evangelista, Raul Cesar, M-L T2-25,
 Ewald, Arne, W-L T11-3*,

F

Fabrizio, Melissa, W-III T12-14,
 Faes, Luca, W-II T6-18,
 Farini, Maria, T-L T9-20,
 Farrell, Sarah, M-III T8-32*,
 Fenwick, Peter, W-II T6-21,

Fermon, Claude, T-L T1-10, T-L T9-27
 Fernández, Guillén, T-III T8-22,
 Ferrari, Paul, M-III T7-1, M-III T7-
 11, M-III T7-12, T-I T4-16*, W-II T6-
 19*,
 Ferrari, Priscileila, M-L T2-25,
 Fiedler, Anja, M-I T5-32, M-I T5-
 33, T-I T5-28,
 Figulla, Hans Reiter, T-L T1-4,
 Filippi, Maria, W-III T12-32,
 Findlay, Anne, T-III T10-4,
 Flemming, Lars, W-L T9-19,
 Flynn, Mark, W-L T9-10,
 Foley, Elaine, M-III T8-33*,
 Fonseca, Paulo, M-L T2-15,
 Fontana, Mauro, W-III T12-31,
 Forss, Nina, T-II T6-11, W-III T12-20
 Fort, Alexandra, M-III T8-34,
 Franciotti, Raffaella, W-II T6-10*, W-
 II T6-11*
 Francis, Susan, M-I T4-17, W-II T6-9
 Frantidis, Christos, T-L T9-20*,
 Franz, David, W-III T12-18,
 Freeman, Walter, W-4.5,
 Friederici, Angela, W-I T4-28, W-III
 T10-5, W-III T10-6,
 Friedland, David, W-III T12-27,
 Friston, Karl, S-2.1, S-8.2
 Fritsche, Andreas, T-III T8-29,
 Frolov, Yuriy, T-L T1-3,
 Fuchs, Mirco, W-I T3-4*,
 Fuchs, Manfred, W-I T3-5*,
 Fuchs, Armin, W-II T6-19,
 Fujii, Susumu, T-L T9-18,
 Fujimaki, Norio, S-7.2, T-L T9-30, T-III
 T10-2*, T-III T10-6, T-III T10-12, W-I
 T4-22
 Fujimoto, Toshiro, M-I T3-3,
 Fujiwara, Keizo, M-II T6-1,
 Fujiwara, Hisako, M-III T7-15, W-III
 T12-18*
 Fukuda, Hiroshi, M-I T3-3*,
 Funakura, Masami, W-III T12-28,
 Funke, Michael, M-III T7-4*, M-III
 T7-5
 Furdea, Adrian, T-I T5-25,
 Furlong, Paul, S-1.5, M-III T7-22, T-II
 T6-12,

G

Gablenz, Tino, T-I T4-17, W-L T9-25
 Gabriel, Rodney, W-II T6-12*,
 Gäde, Robert, T-I T4-17*,
 Gaetz, William, W-II T6-13*, W-II T6-
 14*, T-II T6-5*,
 Gaggi, Wolfgang, W-III T12-27,
 Ganslandt, Oliver, W-III T12-19,
 Garcia, Christopher, M-III T8-28, W-L
 T9-9*
 García-Guevara, F. M., M-I T5-26,
 Gardeen, Stephen, M-III T8-35*,
 Garner, Line, S-8.1,
 Garrido, Marta, S-2.1*,
 Garrido Salmon, Carlos Ernesto, W-L
 T9-24,
 George, Nathalie, T-I T3-3,

George, John, W-L T9-10*, W-L T9-29
 Geue, Daniel, M-I T5-35, T-I T5-34
 Gibert, Guillaume, T-III T8-36,
 Gil, Pedro, W-III T12-25,
 Gilliam, Katie, T-I T3-11,
 Gireesan, K, M-L T1-7*,
 Goernig, Matthias, T-L T1-4*,
 Goldman, Serge, W-II T6-5,
 Gomez, John, W-L T9-29,
 Goto, Tetsu, S-8.3, T-III T10-3*
 Götz, Theresa, W-II T6-16*, W-II T6-17*
 Govindan, Rathinaswamy, M-I T5-23, M-I T5-34, M-I T5-24, M-I T5-25, M-I T5-29, T-I T5-25, T-I T5-31, T-I T5-32, T-I T5-33, T-I T5-35*, T-I T5-36*,
 Gramfort, Alexandre, W-4.1, T-I T4-18*, W-I T3-6*,
 Grasedyck, Lars, W-I T3-3,
 Greenblatt, RE, T-I T4-19*,
 Griffiths, Sian, W-III T12-29,
 Griffiths, Gareth, W-III T12-30,
 Grillon, Christian, S-4.2,
 Grönemeyer, Dietrich, W-2.1, M-I T5-35, M-I T5-36, T-I T5-34, T-L T1-15,
 Gross, Joachim, W-3*, S-2.4*, T-II T6-15, T-II T6-16, W-III T10-7,
 Gruetzner, Christine, T-III T8-37,
 Grummich, Peter, W-III T12-19*,
 Grunau, Ruth, M-III T8-31, W-III T12-17
 Grunwald, Thomas, T-III T8-24,
 Güllmar, Daniel, M-III T7-5,
 Gumenyuk, Valentina, M-III T7-17, M-III T8-36*
 Guo, Xinyao, W-II T6-8*,
 Guthoff, Martina, T-III T8-29,
 Gutiérrez, D., M-I T5-26*,

H

Haberkorn, Wolfgang, M-L T2-31,
 Haddad, Naim, T-I T5-32,
 Hadjipapas, Avgis, S-8.3*, W-I T3-7*, W-II T6-20,
 Hahne, Anja, W-III T10-5,
 Hailer, Birgit, W-2.1, T-L T1-15
 Hajra, Sujoy Ghosh, W-III T12-16,
 Halacz, Johanna, T-III T8-20,
 Hale, Joanne, M-I T4-17, W-II T6-9*
 Halgren, Eric, W-III T10-11,
 Hall, Stephen, T-II T6-12,
 Hallez, Hans, W-4.4*,
 Hamalainen, Matti, T-II T6-20, W-III T10-11
 Hämäläinen, Janne, W-4.2,
 Hammond, Paul, T-L T9-24,
 Händel, Barbara Friederike, S-3.2*,
 Harada, Nobuyoshi, M-II T6-6*,
 Hari, Riitta, T-I T4-22, W-I T4-26, W-II T6-5,
 Haridis, Anna, W-III T12-14,
 Hariz, Marwan, S-8.2,
 Harris, Elana, T-II T6-22,
 Harrison, Paul, M-III T8-32,

Hartmann, Thomas, W-L T9-26,
 Hartwig, Stefan, T-L T9-25, W-L T9-18
 Haruta, Yasuhiro, T-L T9-17,
 Hashimoto, Syuji, W-2.2, M-L T1-8
 Hatanaka, Keisaku, M-II T6-7,
 Hatzmann, Wolfgang, M-I T5-36,
 Haueisen, Jens, S-5.2*, W-4.5, M-L T2-17, M-III T7-5*, T-L T9-22, W-L T9-11*, W-L T9-19, W-II T6-16, W-II T6-17,
 Hauk, Olaf, W-I T3-8*, W-III T10-3*
 Hauswald, Anne, T-III T8-13*,
 Hayakawa, Tomoe, T-III T10-2, T-III T10-12, W-I T4-22,
 Heers, Marcel, W-III T12-24,
 Hegner, Yiwen Li, W-L T9-12*,
 Heil, Peter, W-I T4-33,
 Heinicke, Esther, T-I T5-29*,
 Helle, Liisa, W-I T4-24, W-III T12-20*
 Heller, Leon, W-L T9-10,
 Hemasilpin, Nat, M-III T7-15, W-III T12-18
 Hendrickson, Rick, W-III T12-13,
 Heni, Martin, T-III T8-29,
 Henning, G. Bruce, T-II T6-24,
 Henson, Rik, T-II T6-7, T-III T8-35, W-III T10-9,
 Henson, Richard, T-III T8-14*, W-L T9-13*, W-I T3-8, W-III T10-10
 Herdman, Anthony, M-III T8-31, W-III T10-4*, W-III T12-17,
 Herholz, Sibylle, T-III T8-15*, W-III T10-8
 Herman, Alexander, T-III T10-4*,
 Hernandez, Martha, M-L T1-5,
 Hernandez-Pavon, Julio Cesar, M-L T2-22*,
 Herrmann, Christoph, S-3.1*,
 Herrmann, Lutz, T-I T4-17, W-L T9-25
 Herrmann, Björn, W-III T10-5*,
 Hershey, Andrew, W-III T12-35,
 Heskes, Tom, W-L T11-2,
 Hidaka, Shohei, M-II T6-19,
 Higuchi, Masanori, M-I T4-18, M-II T6-18, T-L T9-17, W-L T11-4*
 Hilger, Ingrid, M-L T2-26, M-L T1-4*
 Hill, Jeremy, S-9.4*,
 Hillebrand, Arjan, S-4.3*, T-I T3-4*, T-II T6-24,
 Hilschenz, Ingo, T-L T9-25, W-L T9-18
 Hindriks, Rikkert, T-I T4-20*,
 Hing, N.S., M-L T2-30,
 Hirata, Masayuki, S-8.3, T-III T10-3
 Hiraumi, Harukazu, M-II T6-1,
 Hiwaki, Osamu, M-I T3-3,
 Hofer, Adrian, T-L T1-16,
 Höfner, Nora, T-L T9-25, W-L T9-11, W-L T9-18,
 Holliday, Ian, W-II T6-20*,
 Holmes, Mark, W-4.5, M-III T7-14
 Holroyd, Tom, T-II T6-22,
 Honda, Yukiko, M-II T6-12,
 Hong, Jun Hee, M-I T3-4*, T-I T4-21*, W-L T11-1,
 Hong, Chin-Yih, M-L T2-19, M-L T2-

23,M-L T2-30,
 Horng,Hereng-Er,M-L T2-19,M-II T6-5,T-L T9-31,
 Hoster,Nike,T-II T6-1,
 Houck,Jon,T-III T10-5*,
 Houde,John,T-III T10-4,T-II T6-2
 Hoyer,Dirk, M-I T5-27*,M-I T5-32,M-I T5-33,T-I T5-29
 Hren,Rok,T-L T1-5*,T-L T1-6*,T-L T1-8,
 Hsieh,Jen-Chuen,T-III T8-21,
 Huang,Mingxiong,S-4.1*,
 Hugueville,Laurent,T-I T4-15,
 Hung,Yuwen, M-I T3-10,
 Hunt,Laurence,T-III T8-16*,
 Huotilainen,Minna,S-1.4,
 Huppertz,Hans-Jürgen,T-III T8-24,
 Hwang,Seong-min, M-I T5-22,
 Hwang,Han-Jeong,W-L T11-5,
 Hyvarinen,Aapo,T-I T4-22*,W-I T4-26

I
 Ichkitidze,L.P,W-L T9-14*,
 Iftemie,Anca,T-L T1-7*,
 Ihara,Aya,T-III T10-2,T-III T10-6*,T-III T10-12,
 Ihssen,Niklas,W-II T6-22,
 Ijsselsteijn,Rob,W-L T9-31,
 Ilmoniemi,Risto,T-I T3-12,T-L T9-32,W-L T9-28,W-L T9-21
 Im,Chang-Hwan,M-III T7-2,M-III T7-6,W-L T11-5*,W-L T9-15,W-III T12-21,W-III T12-22
 Imada,Toshiaki,S-1.4*,W-III T10-1,W-I T3-9*,T-III T8-21
 Ioannides,Andreas,T-III T8-17*,T-III T8-25,W-II T6-21*,
 Iordanov,Todor,S-4.5,T-II T6-10,W-III T12-23*,
 Irimia,Andrei,T-III T8-19,
 Ishiguro,Masanori, M-II T6-21,
 Ishitomi,Yasuhiro, M-II T6-7,
 Isnard,Jean,M-III T7-3,
 Itier,Roxane,M-III T8-30,
 Ito,Juichi, M-II T6-1,
 Iwaki,Sunao, M-II T6-6,M-II T6-8*,T-III T10-9,

J
 Jaekel,Susann, M-I T5-32*,M-I T5-33,T-I T5-29,
 Janawadkar,M.P,M-L T1-7,
 Jantzen,Kelly,W-II T6-19,
 Jazbinsek,Vojko,W-L T9-27,T-L T1-8*
 Jensen,Ole,S-2.2*,W1*,W-3,S-9.1*,T-II T6-4,T-II T6-21,T-II T6-23,T-III T8-22,T-III T8-32,T-III T8-33,W-L T11-2,W-II T6-6
 Jerbi,Karim,S-9.3*,S-8.1,W-L T9-23,W-I T4-30
 Jha,Ashwani,S-8.2,
 Jia,Wenyan,W-L T9-16,
 Johnson,Blake,S-1.4,
 Johnson,Blake,T-III T10-11,

Johnson,Cort,W-L T9-30,
 Jousmäki,Veikko,W-II T6-5,
 Jouvent,Roland,T-I T3-3,
 Jun,Sung Chan, M-I T3-4,T-I T4-21,W-L T11-1,
 Jung,Hyun-Kyo,M-III T7-2,
 Jung,Young-Jin,M-III T7-2,M-III T7-6*,W-L T9-15*,
 Jung,Julien,M-III T7-3,
 Jung,Ki-Young,M-III T7-6,
 Junghöfer,Markus,T-III T8-26,W-I T3-14

K

Kabbouche,Marielle,W-III T12-35,
 Kado,Hisashi, M-I T4-18,T-L T9-17,T-L T9-18,W-L T11-4,W-L T9-8,
 Kahane,Philippe,S-9.3,W-L T9-23
 Kähkönen,Seppo,W-I T4-23,
 Kahlbrock,Nina,T-III T8-18*,
 Kajola,Matti,M-III T7-21,W-L T11-7
 Kakigi,Ryusuke, M-II T6-12,
 Kaltenhäuser,Martin,W-III T12-24*,
 Kamakura,Shiro,W-2.2,M-L T1-8
 Kan,Jing,W-I T3-10*,
 Kanai,Etsuko,W-III T12-28,
 Kanal,Eliezer,W-L T9-16*,
 Kandori,Akihiko,W-2.2*,M-L T1-1,M-L T1-8*,
 Kang,Chan Seok, M-I T5-22,
 Kang,Eunjoo,M-III T8-38,
 Kanzaki,Hideyuki,M-L T1-8,M-L T2-23*,M-L T2-30,
 Kasprzak,Malgorzata,T-L T1-16,
 Kass,Rob, M-I T3-12,
 Kaste,Markku,T-II T6-11,
 Kastner,Jörn,W-I T3-5,
 Katagiri,Keishi,T-L T9-29,
 Kato,Miyoko,M-L T1-1,
 Kaufman,Phillip,M-L T1-3,M-L T2-26
 Kavanagh,Karen,M-L T2-32,
 Kawabata,Miki,T-L T9-17,
 Kawabata,Shigenori,T-L T9-18,
 Kawai,Jun, M-I T4-18,T-L T9-17,W-L T9-8,
 Kawakatsu,Masaki, M-II T6-20,
 Keil,Julian,T-III T8-24,W-L T9-26,W-II T6-22*,
 Kelly,Deirdre,W-III T12-30,
 Kelso,JA Scott,W-II T6-19,
 Kettering,Melanie,M-L T2-26,
 Khan,Sheraz, M-I T3-5*,
 Khan,Sarah,W-II T6-23*,
 Kičić,Dubravko,W-I T4-23,
 Kiebel,Stefan,S-2.1,
 Kiefer,Isabelle, M-I T5-23,M-I T5-22,M-I T5-26,T-I T5-27
 Kilner,James,S-2.1,
 Kim,Jin-Mok, M-I T5-32,M-L T2-21,M-L T2-28,M-L T2-31,M-I T5-33,M-L T1-12,T-L T9-28,
 Kim,Seung-Goo, M-II T6-10*,
 Kim,June Sic, M-II T6-9,M-II T6-10,M-II T6-11,M-II T6-17,M-III T7-9,M-III T8-38,M-III T7-2,

Kim,Bong Soo, M-II T6-9*,M-III T7-9,M-II T6-10,
 Kim,Kyung-Hwan,M-III T7-6,
 Kim,Eunyoung,M-III T7-9,
 Kim,Kiwoong,W-2.4,M-I T5-22*,M-L T1-12,M-L T1-9*,T-L T9-23*,T-L T9-28
 Kim,Doosang,W-2.4*,M-L T1-9
 Kim,Do-Won,W-III T12-21*,W-III T12-22*
 Kinsey,Kristofer,W-II T6-20,
 Kirveskari,Erika,T-II T6-11,
 Kishimoto,Yoshinao, M-I T3-6,
 Kissler,Johanna,T-III T8-13,T-III T8-26
 Kitching,John,M-L T1-10,
 Kivistö,Kaisa,T-I T5-26,
 Kivitie-Kallio,Satu,T-I T5-26,
 Klaase,Joost,M-L T2-29,
 Klonowski,Wlodzimierz,W-L T9-17*,
 Kluge,Christian,T-L T9-21,
 Knappe,Svenja,T-L T1-14*,
 Knappe-Grueneberg,Silvia,W-L T9-25,
 Knief,Arne,T-II T6-1*,W-III T10-8
 Knösche,Thomas,W-I T3-4,T-I T3-5*
 Knott,Nichole,W-III T12-33,W-III T12-34
 Knowles,Paul,T-L T1-16,
 Kobayashi,Koichiro,M-L T1-11,T-L T9-30
 Kodabashi,Atsushi, M-I T3-3,
 Komamura,Kazuo,W-2.2,
 König,Reinhard,W-I T4-33,
 Kopell,Brian,W-III T12-27,
 Körber,Rainer,T-L T9-25,W-L T9-18*,W-L T9-11,W-L T9-25
 Kornips,Bert, M-III T7-13,
 Koronovska,Ekaterina,T-L T1-14,
 Kort,Naomi,T-II T6-2*,
 Korzyukov,Oleg,M-III T8-36,
 Kosch,Olaf,M-L T2-26,
 Koshelnik,Vitaly,T-L T1-1,
 Kotilahti,Kalle,W-L T9-21,
 Kotini,Athanasia,M-III T7-7*,M-III T7-8*
 Kovacevic,Sanja,T-III T8-19*,
 Kovalenko,Oleksandr,M-L T1-4,
 Kratochvil,Christopher,W-III T12-34,
 Kraus,Robert,W-L T9-10,W-L T9-29
 Kringelbach,Morten,M-III T8-29,
 Kuhl,Patricia,S-1.4,T-III T8-21,W-III T10-1,
 Kuhlmann,Levin,W-L T9-19,
 Kumihashi,Isamu, M-I T5-24,M-I T5-29,M-I T5-30,M-I T4-19
 Kurelowech,L,T-I T4-19,
 Kuriki,Shinya, M-II T6-16,M-III T8-24,M-III T8-37,
 Kurths,Jürgen,T-I T5-34,
 Kutsuna,Yuuki, M-II T6-7,
 Kwak,Yongho,M-III T7-9*,
 Kwon,Hyukchan,M-L T1-12,M-II T6-5,T-L T9-28,

L
 La Rosa,Patricio S., M-I T5-28*,
 Lachaux,Jean-Philippe,S-8.1,S-9.3
 Lachaux,Jean-Philippe,W-L T9-23,W-I T4-30
 Lagemann,Lothar,T-II T6-3*,T-II T6-8,T-II T6-18,
 Lalancette,Marc, M-III T7-1,T-I T4-16
 Landerl,Karin,T-I T5-27,
 Landi,Doriana,W-III T12-32,
 Lange,Silke, M-I T5-35,T-I T5-34
 Lange,Joachim,T-III T8-20*,
 Langguth,Berthold,W-L T9-20,
 Lappe,Claudia,T-III T8-15,
 Larismaa,Erik,M-III T7-21,
 Lau,Stephan,W-L T9-19*,
 Lauronen,Leena,T-I T5-26,
 Lawson,D,T-I T4-19,
 Leahy,Richard, M-I T4-14,W-I T4-30
 Lecaigard,Francoise,M-III T8-23,
 Lee,Seong-Joo, M-I T5-22,
 Lee,Ki, M-III T7-15,W-III T12-18
 Lee,Hyekyoung,M-III T8-38,
 Lee,Roland,S-4.1,
 Lee,Yong-Ho,W-2.4,M-I T5-22,M-L T1-12*,M-L T1-9,M-II T6-5,T-L T9-28*
 Lee,Seung-Hwan,W-III T12-21,W-III T12-22
 Lee,Ying,W-L T9-12,
 Lefevre,Julien, M-I T3-5,
 Leiberg,Susanne,M-III T8-27,
 Leistner,Stefanie,T-II T6-14,
 Lemarechal,Jean-Didier,T-I T4-15,
 Lembke,Gertrud,T-L T1-9*,
 Lerch,Jason, M-III T7-1,
 Leuthold,Art,M-III T8-35,
 Levy,Michael,S-4.1,
 Levy,Sue,W-II T6-23,
 Lewis,Christopher,S-2.3,
 Liao,Shu-Hsien,T-L T9-31,
 Liddle,Peter,M-III T8-25,M-III T8-25
 Liehr,Mario, M-I T5-32,T-I T5-28
 Lim,Minha, M-I T5-29*,
 Lim,Man Yoel, M-II T6-11*,
 Limousin,Patricia,S-8.2,
 Lin,Fa-Hsuan, M-I T3-1,M-I T3-2,T-II T6-20,
 Lin,Jo-Fu,T-III T8-21*,
 Linden,Jennifer,W-L T9-8,
 Lindner,Michael,T-III T8-37,
 Linkenkaer-Hansen,Klaus,T-I T3-8,
 Liotti,Mario,M-III T8-31,
 Lioumis,Pantelis,W-I T4-23,
 Litvak,Vladimir,S-8.2*,W-I T3-1
 Liu,Jeff, M-I T3-6*,
 Liu,Cheng,W-II T6-14,
 Liu,Lichan,W-II T6-21,
 Liu,Careesa,W-III T12-16,
 Llanero,Marcos,W-III T12-25,
 Lorenceau,Jean,T-III T8-23,W-II T6-1
 Lorenz,Isabel,W-L T9-20*,
 Lötjönen,Jyrki,W-4.2,
 Lowery,Curtis,S-5.1*,M-I T5-25,M-I

T5-34,T-I T5-35,T-I T5-32,T-I T5-33,T-I T5-25,T-I T5-23,T-I T5-31,T-I T5-36
 Lukashyk,Volodymyr,T-L T1-1,
 Lupoi,Domenico,W-III T12-32,
 Luppi,Pierre-Herve,M-III T8-23,
 Lutter,William,S-5.3,
 Lyytinen,Jaakko,M-III T7-21,
 Lyytinen,Jukka,W-III T12-26,

M

Maby,Emmanuel,T-III T8-36,
 Macarthur,Jason,T-I T3-11,
 Mackert,Bruno-Marcel,T-II T6-14,
 Maess,Burkhard,S-7.4,W-I T3-4,W-I T4-28,W-III T10-5,W-III T10-6*,
 Maestú,Fernando,M-III T8-26,T-III T8-27,W-III T12-25*,
 Mäkelä,Jyrki,S-1.4,M-III T7-21,W-III T10-1,W-III T12-26,W-III T12-12,W-III T12-20,T-II T6-11,
 Mäki,Hanna,W-L T9-21*,
 Mangano,Francesco, M-III T7-15,W-III T12-18
 Mantini,Dante,S-2.3,T-II T6-17,W-I T4-31,
 Maquet,Pierre,M-III T8-23,
 Mariani,Stefania,W-II T6-2,
 Marinkovic,Ksenija,T-III T8-19,T-III T8-38*
 Maris,Eric,T-III T8-33,
 Marques,Rozemeire, M-I T4-13,T-L T9-19
 Martens,Sven,W-L T9-11,
 Martinerie,Jacques,S-8.1,
 Martynenko,Serhiy,M-L T1-4,M-L T2-22
 Marzetti,Laura,S-2.3,T-I T3-6*
 Maskaly,Karlene,W-L T9-10,W-L T9-29
 Maslennikov,Yury,M-L T1-14,T-L T1-11
 Mason,Karen,M-III T7-17,
 Matani,Ayumu, M-I T3-9,T-III T10-6,W-I T4-22*,
 Mathiak,Klaus, M-I T4-16,M-III T8-27,W-I T4-21,
 Mathis,Tanja, M-I T5-30*,
 Matlashov,Andrei,W-L T9-10,W-L T9-29
 Mattout,Jeremie,M-III T8-23,T-III T8-36
 Matuz,Tamara,T-I T5-25*,
 Matysiak,Artur,W-I T4-33,
 Maugui?re,François,M-III T7-3,
 May,Elisabeth,T-III T8-18,
 May,Diane,W-III T12-34,
 Mazaheri,Ali,S-2.2,T-II T6-4*
 Mboup,Mamadou,W-I T3-18,
 McAlpine,David,W-L T9-8,
 McCubbin,Jack,T-I T5-23*,
 McGrath,Patricia,W-II T6-7,
 Mckelvey,Samantha,T-I T5-36,
 Medendorp,W. Pieter,T-II T6-21,W-II T6-6
 Meeuwissen,Esther Berendina,T-III

T8-22*,
 Melgari,Jean Marc,W-III T12-36*,
 Meng,Lu, M-III T7-10*,T-III T10-7*,W-II T6-8,W-III T12-35
 Mensah-Brown,NanaAba,S-5.3,M-I T5-31*,T-I T5-24*,
 Meriläinen,Pekka,W-L T9-21,
 Merzenich,Michael,S-4.5,
 Michalareas,Giorgos,S-2.4,
 Miikkulainen,Ossi,M-III T7-21,
 Miki,Kensaku, M-II T6-12*,
 Milanič,Matija,T-L T1-8,
 Miller,Gregory,S-4.4,
 Miller,Steven,W-III T12-17,
 Mills,Travis, M-I T3-10,T-III T8-31,T-III T8-34,
 Mima,Tatsuya, M-II T6-1,
 Minov,Yuriy,T-L T1-1,
 Miozzo,Michele,W-III T10-3,
 Miranda,Jose, M-I T4-13,
 Miranda,Jose Ricardo,M-L T2-15,M-L T2-25,M-L T2-16,T-L T9-19
 Miskiewicz,Agnieszka,T-III T8-23*,
 Mitchell,Tom,T-III T10-8,
 Miyamoto,Masakazu,T-L T9-17,W-L T9-8
 Miyashita,Tsuyoshi,W-2.2,M-L T1-8
 Miyawaki,Yoichi, M-I T3-9,
 Mohamed,Ismail, M-III T7-1,M-III T7-11*,M-III T7-12*,
 Moiseev,Alexander,T-I T3-7*,T-III T8-30,W-III T12-17,
 Molteni,Franco, M-II T6-22,
 Monroe,Justin,W-II T6-23,
 Montejo,Pedro,W-III T12-25,
 Montenegro,Maria Mercedes,W-III T12-25,
 Moran,John, M-I T3-7*,M-III T7-17,W-III T10-2,
 Morison,Gordon,T-II T6-6*,
 Morris,Peter, M-I T4-17,M-II T6-24,W-I T3-15,W-II T6-9
 Moses,Sandra, M-I T3-10,
 Mosher,John, M-I T3-8*,
 Mouchlianitis,Elias,T-II T6-7*,
 Moyers,Theresa,T-III T10-5,
 Mueller,Wolfgang,W-L T9-25*,
 Muenssinger,Jana,T-I T5-25,
 Müller,Nadia,T-III T8-24*,W-L T9-20
 Munetsuna,Shinji,T-III T10-2,
 Murahara,Takashi, M-II T6-21,
 Murakami,Masahiro,W-2.2,M-L T1-8
 Murata,Tsutomu, M-I T3-9,T-L T9-30,T-III T10-2,T-III T10-6,T-III T10-12,W-I T4-22
 Murphy,Pamela, M-I T5-25,T-I T5-23,T-I T5-35,T-I T5-25,T-I T5-36,
 Murthy,K.S.R,M-L T1-7,
 Mustanoja,Satu,T-II T6-11,
 Muthukumaraswamy,Suresh,W-II T6-13,
 Myasnikov,Georgiy,T-L T1-2,T-L T1-3

N

Nagamine, Takashi, M-II T6-21,
Nagarajan, Srikantan, M-I T4-17, M-I
T4-20, M-I T4-21, T-II T6-2, T-III T10-
4, W-I T3-12, W-I T4-25, W-II T6-9, W-
II T6-12,
Najafian, Mokhammad, M-L T1-
4, T-L T1-2
Nakagawa, Seiji, M-II T6-13*, M-II
T6-15, W-I T4-29,
Namdar, Mehdi, M-L T1-3,
Naruse, Yasushi, M-I T3-9*, W-I T4-
22
Narushima, Daisuke, M-II T6-2,
Näsi, Tiina, W-L T9-21,
Nathan, Pradeep, W-III T10-9,
Nedayvoda, Igor, M-L T1-14, T-L T1-
11
Nehorai, Arye, M-I T5-28,
Nemoto, Iku, M-II T6-14*, M-II T6-
20, T-III T8-21,
Nenonen, Jukka, W-4.2, W-I T3-
16, W-I T4-23*, W-I T4-24*
Nevado, Angel, W-III T12-25,
Nevalainen, Päivi, T-I T5-26*,
Newman, Shaun, W-L T9-29,
Ng, Kwong, T-I T3-2, T-I T4-13
Ngoc Thai, Jade, M-III T7-22,
Nichols, Sharon, S-4.1,
Nicolas, Alain, M-III T8-23,
Nieminen, Jaakko, T-L T9-32,
Nieuwenhuis, Ingrid, T-III T8-32, T-II
T6-23
Nikulín, Vadim, T-I T3-8*, W-I T3-17
Nissilä, Ilkka, W-L T9-21,
Nogai, Takeshi, T-III T10-6, W-I T4-22
Nollo, Giandomenico, T-II T6-9, W-II
T6-18
Nolte, Guido, M-I T4-15, T-I T3-6, T-I
T3-8, W-L T11-3
Nurminen, Jussi, W-L T9-22*, W-I T4-
23, W-III T12-12,

O

Obioha, Chibuke, M-L T2-18,
Ochi, Ayako, M-III T7-12,
Odagaki, Masato, M-I T3-3,
Ogata, Hisanao, T-L T9-17,
Ogata, Kuniomi, W-2.2, M-L T1-8
Ohata, Kenji, M-III T7-18, M-III T7-
19, M-III T8-39,
Oka, Yuji, W-2.2, M-L T1-8
Okada, Masato, M-I T3-9,
Okada, Yoshio, W-L T9-22, W-II T6-3
Okamoto, Yosuke, M-II T6-15*,
Okamoto, Hidehiko, T-II T6-3, T-II T6-
8*, T-II T6-18,
Okamoto, Masayoshi, T-L T9-29,
Okazaki, Yuka, T-III T8-25*, W-L T11-2
Oliveira, Ricardo, M-L T2-15, M-I T4-
13
Oliveira, Giselle, M-L T2-25*,
Olivi, Emmanuel, W-4.1, W-I T3-6, W-I
T3-11*,
Oostenveld, Robert, S-8.2, W-3
Op de Beeck, Marc, W-II T6-5,

Ortiz, Erick, M-I T5-23, M-I T5-
24, M-I T5-29, W-L T9-12
Ortiz, Tomás, W-III T12-25,
Ortmann, Magdalene, T-III T8-26*,
Ossadtchi, A, T-I T4-19,
Ossandon, Tomas, W-L T9-23*,
Ossenblok, Pauly, M-III T7-13*,
Otsubo, Hiroshi, M-III T7-11, M-III
T7-12
Otsuka, Asuka, M-II T6-16*, M-III
T8-37
Ouchi, Ken-ichi, M-III T8-37*,
Owen, Julia, M-I T4-17, M-I T4-
20, M-I T4-21, W-I T3-12*, W-I T4-
25*, W-II T6-9
Oyama, Daisuke, M-I T4-18*, W-L
T11-4

P

Padhye, Nikhil S., M-II T6-23,
Paditar, Udit, M-II T6-23,
Paetau, Ritva, M-III T7-21,
Paetau, Anders, W-III T12-26,
Paixao, Fabiano, M-L T2-16,
Palatucci, Mark, T-III T10-8,
Palomäki, Maarit, W-III T12-26,
Palva, Satu, S-3.3*,
Pamela, Murphy, T-I T5-31,
Pang, Elizabeth, M-III T7-1, T-III T8-
31, T-III T8-34,
Pankhurst, Quentin, M-L T2-29,
Pannetier-Lecoeur, Myriam, T-L T1-
10, T-L T9-27
Pantazis, Dimitrios, M-I T4-14, W-I
T4-30
Pantev, Christo, T-II T6-1, T-II T6-3, T-
II T6-8, T-II T6-18, T-III T8-15, W-III
T10-8
Papadelis, Christos, T-II T6-9*, W-II
T6-18
Papadopoulos, Theodore, W-4.1, W-
4.3, W-I T3-6, W-I T3-11
Papanicolaou, Andrew C., M-II T6-
23,
Pappas, Costas, T-L T9-20,
Paradis, Anne-Lise, T-III T8-23, W-II
T6-1
Parasakthi, C, M-L T1-7,
Pardos, Maria, W-III T12-35,
Park, Hyojin, M-III T8-38*,
Parkkonen, Lauri, M-III T7-21, W-I
T4-24, W-I T4-26, W-III T12-14
Parmentier, Fabrice, M-III T8-26, T-III
T8-27
Pascarella, Annalisa, W-I T3-13,
Passarelli, Francesco, M-II T6-22,
Patel, Tulpesh, W-III T12-30,
Paul, Nuria, W-III T12-25,
Peacock, Jennifer, W-III T10-2,
Peelle, Jonathan, W-III T10-7*,
Pekkonen, Eero, W-III T12-12, W-III
T12-26*
Penny, Will, S-8.2,
Peters, Amanda, W-II T6-3,
Peters, Mark, W-L T9-29,
Phillips, John, W-L T9-9, M-III T8-28

Piana, Michele, W-I T3-13,
 Pihko, Elina, S-1.3*, S-1.4, T-I T5-26, W-III T10-1
 Pirotte, Benoît, W-II T6-5,
 Pittaccio, Simone, M-II T6-22,
 Pizzella, Vittorio, S-2.3, T-I T3-6, T-II T6-17, W-I T4-31, W-II T6-10, W-III T6-11
 Plewnia, Christian, T-II T6-9,
 Poch, Claudia, M-III T8-26, T-III T8-27*
 Poghosyan, Vahe, T-III T8-17,
 Pohjola, Juha, W-III T12-12,
 Pollonini, Luca, M-II T6-23,
 Poloviy, Hedwige, T-L T1-10*, T-L T9-27
 Pomerleau, Dean, T-III T10-8,
 Pondman, Kirsten, M-L T2-27,
 Popescu, Anda-Elena, M-L T1-13, T-I T5-30
 Popescu, Mihai, M-L T1-13*, T-I T5-30
 Popov, Tzvetan, S-4.5, T-II T6-10*, W-III T12-23,
 Porcaro, Camillo, M-II T6-22, T-II T6-19, W-III T12-36,
 Pouw, Joost, M-L T2-29,
 Pouzat, Christophe, W-I T3-18,
 Powers, Scott, W-III T12-35,
 Preissl, Hubert, M-I T5-23, M-L T2-29, T-I T5-23, T-I T5-25, T-I T5-27, T-I T5-32, T-I T5-35, T-I T5-36, T-III T8-29,
 Pressnitzer, Daniel, T-II T6-13,
 Primin, Michael, M-L T1-14*, T-L T1-11*
 Puffer, Don, M-III T8-28,
 Pulvermuller, Friedemann, W-III T10-3, W-III T10-9
 Pylkkanen, Liina, S-7.3,

Q

Qasmieh, Saba, W-II T6-23,
 Qi, Liang, W-L T11-6*,
 Quini, Caio Cesar, M-L T2-16,
 Quraan, Maher, M-I T3-10*,

R

Radhakrishnan, T.S., M-L T1-7,
 Raghavan, Manoj, M-I T3-5,
 Rajesh, Patel, M-L T1-7,
 Ramirez, Rey, T-I T3-9*, W-III T12-27*
 Ramkumar, Pavan, T-I T4-22, W-I T4-26*
 Ramon, Ceon, W-4.5*, M-III T7-14*
 Rampp, Stefan, W-III T12-24,
 Rau, Ion, T-L T1-7,
 Rau, Miuta, T-L T1-7,
 Raybourn, Elaine, M-III T8-28, W-L T9-9
 Reid, Melanie, T-III T10-11,
 Reinl, Maren, T-I T5-27,
 Rejvanian, Elham, W-4.5,
 Ribary, Urs, S-1.5, M-L T2-32, M-III T8-31, T-III T8-30, W-III T12-17,
 Richards, Bill, M-L T2-18,

Richter, Heike, M-L T2-26*, W-L T9-25
 Rippon, Gina, M-III T8-33,
 Robb, Ashley, S-4.1,
 Roberts, Timothy, S-1.5, T-III T10-10, W-II T6-15, W-II T6-23, W-II T6-13, W-II T6-14
 Robinson, Stephen, M-I T3-11*, T-I T3-10*, W-I T4-27*,
 Rockstroh, Brigitte, S-4.5*, T-II T6-10, T-III T8-28, W-III T12-23
 Rodrigues, Eduardo Matos, W-L T9-24,
 Rogalla, Horst, M-L T2-27, M-L T2-23, M-L T2-30,
 Roiha, Kristina, T-II T6-11*, W-III T12-20
 Romalis, Mike, T-L T9-23,
 Romani, Gian Luca, S-2.3, T-I T3-6, T-II T6-17, W-I T4-31, W-II T6-10, W-III T6-11
 Romano, Mamen, T-I T5-34,
 Romero, Lucinda, W-II T6-3,
 Rose, Douglas, M-III T7-10, M-III T7-15*, T-I T3-11, T-II T6-22, T-III T10-7, W-III T12-18, T-I T5-32,
 Rossini, Paolo Maria, M-II T6-22, W-II T6-4, W-III T12-31, W-III T12-36, W-III T12-32,
 Rossiter, Holly, T-II T6-12*,
 Rosslau, Ken, W-III T10-8*,
 Roth, Thomas, M-III T8-36,
 Ruiz-Vargas, José María, M-III T8-26, W-III T12-25
 Rullmann, Michael, M-III T7-16*,
 Rupp, Andre, T-II T6-13*,
 Rushworth, Matthew, T-III T8-16,
 Ryvlin, Philippe, M-III T7-3,
 Ryzhenko, Tetyana, T-L T1-1,

S

Sabanero-Lopez, Myrna, M-L T2-22,
 Sahin-Owens, Tuba, W-L T9-10,
 Sakamoto, Masahumi, M-II T6-7,
 Saldaña, A. Ulrich, M-L T1-5,
 Salles Cunha Peres, André, W-L T9-24*,
 Salonen, Oili, T-II T6-11,
 Salustri, Carlo, T-II T6-19, W-III T12-31*
 Salvatore, Giacomo, S-4.2,
 Sander, Tilmann, M-L T1-10, T-II T6-14*, W-L T9-25,
 Sandin, Henrik, W-L T9-29,
 Sanfratello, Lori, T-I T3-11*,
 Sannholm, Fredrik, T-L T9-32,
 Sarvas, Jukka, T-I T3-12*,
 Sasaki, Toyofumi, T-III T10-2,
 Savukov, Igor, W-L T9-29,
 Schenker, Jean-Luc, T-L T1-16,
 Schiek, Michael, W-I T4-21,
 Schiermeier, Sven, M-I T5-36,
 Schimpf, Paul, W-4.5,
 Schlee, Winfried, W-L T9-20,
 Schleger, Franziska, T-I T5-27*,
 Schleussner, Ekkehard, S-5.2, M-I T5-

32,M-I T5-33,T-I T5-28*,T-I T5-29,
 Schmidt,Claus-Michael,T-II T6-1,
 Schneider,Uwe,S-5.2,M-I T5-32,M-I
 T5-33*,T-I T5-28,T-I T5-29,
 Schneider,Michael,T-II T6-1,
 Schneider,Gerald,T-III T8-28,
 Schnitzler,Alfons,T-II T6-15,T-III T8-
 18,T-III T8-20,W-III T12-12
 Schoffelen,Jan Mathijs, W1, S-2.4,
 T-II T6-15*,T-II T6-16*
 Schofield,Tom,S-2.1,
 Schönherr,Margit, W-I T4-28*,
 Schröger,Erich,W-III T10-5,
 Schüler,René,T-I T4-17,
 Schulte,Michael,T-III T8-32,
 Schultz,Lonni,M-III T7-17,
 Schultze,Volkmar,W-L T9-31,
 Schulz,Hannah,W-L T9-26*,
 Schwartz,Denis,S-8.1,T-I T4-15
 Schwarz,Kay,M-L T2-26,
 Schwindt,Peter,W-L T9-30,
 Schyns,Philippe,T-II T6-6,
 Sciabassi,Robert,W-L T9-16,
 Sculthorpe,Lauren,W-III T12-16,
 Sebastiani,Valentina,T-II T6-17*
 Seki,Yusuke,M-L T1-1,
 Sekihara,Kensuke, M-I T4-19*,M-I
 T4-20*,T-I T4-14*,W-I T3-12,W-I
 T4-25,
 Semertizidou,Anastasia,T-L T9-20,
 Sengottuvel,S,M-L T1-7,
 Senior,Carl,M-III T8-33,
 Seol,Jaeho, M-II T6-17*,
 Sergeeva-Chollet,Natalia,T-L T9-
 27*,
 Seri,Stefano,M-III T7-22,W-III T12-
 30
 Seungduk, Lee,W-L T9-15,
 Shah,N.John, M-I T4-16,W-I T4-21
 Sheldon,Sarah,T-III T8-19,
 Sherfey,Jason,T-III T8-19,
 Sherifa,Waleid,T-L T1-15,
 Shigihara,Yoshihito,M-III T7-18,M-
 III T7-19,M-III T8-39,W-III T12-28*
 Shimizu,Wataru, M-L T1-8, W-2.2
 Shiraishi,Hideaki, M-II T6-21,
 Shtyrov,Yury,W-III T10-9*,
 Shukla,Neetu,M-III T7-17*,
 Si, Hang,W-I T3-3,
 Siebert,Anita,T-II T6-13,
 Siegel,Eric,T-I T5-23,
 Sieluzyski,Cezary,W-I T4-33,
 Sillekens,Stephanie, W-I T3-14
 Singh,Krish,W-II T6-13,
 Sinzato,Yuri, M-I T4-13,
 Smith,Brien,M-III T7-17,
 Smith,Ashley,S-4.4,
 Smith,Marie, T-II T6-6, W-III T10-9
 Smith,Mary Lou,T-III T8-31,
 Snead,Carter, M-III T7-11, M-III T7-
 12
 Snyder,Abraham,S-2.3,
 Sobik,Martin,M-L T2-27*,
 Soeta,Yoshiharu,W-I T4-29*,
 Solesio,Elena,W-III T12-25,
 Solorio,Sergio,M-L T1-5,

Song,Tao,S-4.1,W-L T11-7
 Sorrentino,Alberto,W-I T3-13*,
 Sosa,Modesto,M-L T2-22,
 Sosnytska,Taysia,T-L T1-12*,T-L T1-
 13*,M-L T1-10*,
 Sosnytska,Tetiana,T-L T1-3,
 Sosnytskyy,Volodymyr,T-L T1-12,T-L
 T1-13,T-L T1-14,
 Soto,Juan,W-I T4-30*,
 Spadone,Sara,W-I T4-31*,
 Squitti,Rosanna,W-II T6-2,W-III
 T12-31
 Stadnyuk,Leonyd,T-L T1-12,T-L T1-
 13
 Staelens,Steven,W-4.4,
 Stam,Kees,S-4.3,
 Stefan,Hermann,W-III T12-24
 Steffen,Astrid,T-III T8-28*,
 Steinhoff,Uwe,M-L T2-26,T-L T9-22
 Steinstraeter,Olaf,W-I T3-14*,
 Stelzer,Murilo, M-I T4-13,T-L T9-19
 Stenroos,Matti,W-4.2*,W-I T3-19
 Stephen,Julia,S-1.5*,T-I T3-11,W-II
 T6-3,
 Stevens,Catherine,T-III T8-25
 Stevenson,Claire, M-I T4-17, M-III
 T8-25, W-I T3-15*, W-II T6-9
 Stingl,Katarina,T-III T8-29,
 Stingl,Krunoslav,T-III T8-29*,
 Stracke,Henning,T-II T6-3,T-II T6-
 8,T-II T6-18*,
 Strasburger,Janette,S-5.3*,M-I T5-
 31
 Stroink,Gerhard,S-6.2,W-III T12-16
 Stumpf,Markus,T-L T1-9,
 Sudre,Gustavo, M-I T3-12*,T-III
 T10-8*,W-L T11-7*,W-III T12-13,W-
 III T12-14,
 Sugiura,Kazuko, M-II T6-21,
 Sun,Wenqi,T-III T8-30*,
 Sun,Mingui,W-L T9-16,
 Supek,Selma,T-II T6-13,
 Surber,Ralf,T-L T1-4,
 Sutani,Kouichi,T-III T10-9*,
 Sutkovyi,Pavlo,T-L T1-1,
 Sutkovyy,Pavlo,T-L T1-14,
 Suzuka,Yuko, M-II T6-18*,W-L
 T11-4
 Swettenham,Jennifer,W-III T12-
 29*,
 Synnes,Anne,M-III T8-31,

T

Takahashi,Kohske, M-II T6-19*,
 Takahashi,Makoto,M-III T8-24,M-
 III T8-37
 Takaki,Hiroshi,W-2.2,M-L T1-8
 Takashima,Atsuko,T-III T8-22,
 Takeda,Tsunehiro, M-II T6-2,T-L T9-
 29*,W-L T11-6,W-I T4-32
 Takeda,Satoe, M-II T6-21,
 Takeshima,Yasuyuki, M-II T6-12,
 Talcott,Joel,W-III T12-30*,
 Tanaka,Keita, M-II T6-20*,T-III T8-
 21
 Tanaka,Kimio,W-2.2,M-L T1-8

Tanaka, Masaaki, W-III T12-28,
 Tannock, Rosemary, W-II T6-7,
 Tao, Rong, M-L T1-13, T-I T5-30*
 Tatlisumak, Turgut, T-II T6-11,
 Taulu, Samu, S-1.4, M-III T7-4, W-L
 T9-22, W-I T3-16*, W-I T4-24, W-I
 T4-28, W-III T10-1, W-III T12-12, W-III
 T12-20,
 Tavabi, Kambiz, T-III T10-10*,
 Taylor, Margot, M-I T3-10, T-III T8-
 34, T-III T8-31*,
 Taylor, Jason, W-III T10-10*,
 Tecchio, Franca, M-II T6-22, T-II T6-
 19, W-II T6-2, W-II T6-4, W-III T12-
 32, W-III T12-36, W-III T12-31,
 Tech, Reyko, W-I T3-5,
 Telenczuk, Bartosz, W-I T3-17*,
 Temereanca, Simona, W-III T10-11*,
 Temple, Jessica, T-I T5-36, T-I T5-25
 ten Haken, Bennie, M-L T2-27, M-L
 T2-29*
 Tepley, Norman, M-I T3-7, M-III T7-
 17, M-III T8-36, W-III T10-2
 Terakawa, Yuzo, M-III T8-39,
 Terao, Keiji, M-L T1-1,
 Terazono, Yasushi, T-III T10-2, W-I
 T4-22
 Tesan, Graciela, T-L T9-17, T-III T10-
 11*
 Tesche, Claudia, T-III T10-5,
 Tetschke, Florian, T-I T5-29,
 Teuscher, Ursina, W-II T6-3,
 Theilmann, Rebecca, S-4.1,
 Thesen, Thomas, S-7.1*,
 Thiel, Marko, T-I T5-34,
 Thönnessen, Heike, M-I T4-16, W-I
 T4-21
 Thornton, Rosalind, T-III T10-11,
 Tiganj, Zoran, W-I T3-18*,
 Tomasevic, Leo, T-II T6-19*, W-II T6-
 2, W-III T12-31, W-III T12-36
 Tommasi, Luca, W-II T6-10, W-II T6-
 11
 Tonoike, Mitsuo, M-II T6-6,
 Toyoshima, Takanobu, M-II T6-21,
 Trahms, Lutz, M-L T1-10, M-L T2-
 16, M-L T2-25, T-L T9-22, T-L T9-25, T-
 II T6-14, W-L T9-18,
 Travis, Bryan, W-L T9-10,
 Trontelj, Zvonko, W-L T9-27,
 Tsai, Sung-Ying, M-II T6-5,
 Tsalkidis, Aggelos, M-III T7-7, M-III
 T7-8
 Tsampardouka, Foteini, T-L T9-20,
 Tschritter, Otto, T-III T8-29,
 Tseng, W.K., M-L T2-19,
 Tsukada, Keiji, M-L T1-1,
 Tsuyuguchi, Naohiro, M-III T7-
 18*, M-III T7-19*, M-III T8-39,
 Tunbridge, Elizabeth, M-III T8-32,
 Tupola, Sarimari, T-I T5-26,

U

Uchikawa, Yoshinori, M-L T1-6, M-II
 T6-9, M-II T6-20,
 Uda, Takehiro, M-III T7-18, M-III T7-

19, M-III T8-39*,
 Uehara, Gen, M-I T4-18, M-III T7-
 18, T-L T9-17, W-L T9-8
 Uhlhaas, Peter, T-III T8-37,
 Ulusar, Umit D, M-I T5-34, M-L T2-
 16*, M-L T2-25, T-I T5-31*, T-I T5-
 33, T-I T5-35
 Uno, Yutaka, W-I T4-32*,
 Urbaitis, Algis, W-L T9-29,
 Uwe, Schneider, M-I T5-27,

V

Vaina, Lucia Maria, T-II T6-20*,
 Vairavan, Srinivasan, M-I T5-34*, T-I
 T5-32, T-I T5-33*, T-I T5-35
 Vairavan, Francesca, M-II T6-22,
 Vallaghé, Sylvain, W-4.3*,
 Van Bogaert, Patrick, W-II T6-5,
 van der Vaart, Aad, T-I T4-20,
 Van Der Werf, Jurrian, T-II T6-21*,
 van Dijk, Hanneke, T-III T8-32*,
 van Ede, Freek, T-III T8-33*,
 van Gerven, Marcel, S-9.1, W-L
 T11-2
 Van Leeuwen, Peter, W-2.1*, M-I
 T5-35*, M-I T5-36, T-L T1-15*, T-I T5-
 34*,
 Van Luijtelaaar, Gilles, M-III T7-13,
 Van Luijtelaaar, Alfred, M-III T7-16,
 van Mierlo, Pieter, W-4.4,
 van Wassenhove, Virginie, W-II T6-
 12,
 Vanhatalo, Sampsa, S-1.2*,
 Velders, Aldrik, M-L T2-29,
 Ventriglia, Mariacarla, W-III T12-31,
 Ventura, Maria, T-II T6-2,
 Vesanen, Panu, T-L T9-32, W-L T9-
 28*
 Vicente, Raul, T-III T8-37,
 Vidal, Julie, T-III T8-34*,
 Vidal, Juan, W-L T9-23,
 Vijaya, A, M-L T1-7, M-L T2-28*, M-L
 T2-31,
 Vinogradov, Sophia, T-III T10-4,
 Virji-Babul, Nazin, S-1.5, T-III T8-30
 Viscuso, Stefano, M-II T6-22,
 Visscher, Martijn, M-L T2-29,
 Vivas, Ana, T-L T9-20,
 Voigt, Jens, T-L T9-25, W-L T9-18
 Volegov, Petr, W-L T9-10, W-L T9-29*
 Vrba, Jiri, M-I T3-11, M-I T5-22, T-I
 T5-23, W-I T3-16

W

Wachs, Michaela, T-II T6-14,
 Wagner, Michael, W-I T3-5,
 Wakai, Ronald, S-5.3, M-I T5-31, T-I
 T5-24,
 Wakeman, Daniel, T-III T8-35*, W-I
 T3-8
 Wallace, Theodore, T-I T3-11,
 Wang, Wei, M-I T3-12, W-L T11-7
 Wang, Weiyuan, M-L T1-2,
 Wang, W.C., M-L T2-30,
 Wang, Li-Min, M-L T2-30*,
 Wang, Yingying, T-II T6-22*, W-II T6-

8,W-III T12-35,
Wang,D-J,W-II T6-15,
Wang,Xiaoshan,W-II T6-8,W-III T12-35*
Ware,Maureen, M-I T5-25,T-I T5-23,T-I T5-25,T-I T5-36
Warfield,Simon K., M-III T7-16,
Wasserman,Eric,W-L T9-9,M-III T8-28
Watanabe,Shoko, M-II T6-12,
Watanabe,Katsumi, M-II T6-19,
Watanabe,Yasushi,M-L T1-8,W-2.2
Watanabe,Shigeyuki,W-2.2,M-L T1-8,M-L T2-19,M-L T2-30
Watanabe,Yasuyoshi,W-III T12-28,
Weaver,Donald,W-III T12-16,
Weber,Doug, M-I T3-12,W-L T11-7
Weeks,Daniel,M-III T8-31,
Wei,Qiang,T-III T10-2,T-III T10-6,T-III T10-12*,
Weidner,Ralph,W-I T4-21,
Weinberg,Hal,M-III T8-31,W-III T12-17
Weis,Antoine,T-L T1-16*,
Weisend,Michael,M-III T8-28,W-L T9-9,W-L T9-30*,
Weisz,Nathan,T-II T6-10,T-III T8-24,T-III T8-36*,W-L T9-20,W-L T9-26,W-II T6-22,W-III T12-23,
Wennberg,Richard,M-III T7-20
Werner,Pascal,W-I T3-19*,
Wetzel,Martin,W-III T12-33,
White,Thomas,M-III T8-25,
White,Matthew,W-III T12-33
Whitfield,Michael,M-III T8-31
Whitmarsh,Steven,T-II T6-23*
Wibral,Michael,T-III T8-37*,
Wiekhorst,Frank,M-L T1-10,M-L T2-20,M-L T2-21,M-L T2-26,M-L T2-28,M-L T2-31*,T-L T9-22,W-L T9-25
Wilenius,Juha,M-III T7-21*,W-III T12-26
Wilson,James D, M-I T5-34,M-L T2-30,T-I T5-31,T-I T5-32
Wilson,Richard,W-I T3-10,
Wilson,Tony,W-III T12-33*,W-III T12-34*
Wipf,David, M-I T4-21,W-I T3-12,W-I T4-25,
Witte,Herbert,W-II T6-17,
Witte,Otto,W-II T6-17,
Witton,Caroline,M-III T7-22,T-II T6-24*,W-III T12-30,
Woetzel,Stefan,W-L T9-31*,
Wolk,David,W-III T12-14,
Wollbrink,Andreas,M-III T8-30
Wolters,Carsten, M-III T7-16,W-I T3-3,W-I T3-14,
Wood,Jonathan,M-III T8-25,
Worthen,Sian,T-II T6-12,
Wreh,Christopher,T-I T3-1,
Wu,Ruey-Meei, M-II T6-5,
Wu,Chau-Chung,W-2.3*,M-L T2-19,M-L T2-23,

X
Xiang,Jing, M-III T7-10,T-II T6-22,T-III T10-7,W-II T6-8,W-III T12-35,
Xu,Yang, M-I T3-12,

Y
Yagura,Haruko,T-III T10-6,
Yahia-Cherif,Lydia,T-I T4-15,
Yamada,Yoshio, M-II T6-16,
Yamada,Kanako, M-II T6-18,
Yamada,Yuko,W-2.2,
Yamasoba,Tatsuya, M-II T6-3
Yamazaki,Keita,T-L T9-30*,
Yanagisawa,Takufumi,S-8.3,
Yang,Jingzhu, M-III T7-10,T-III T10-7
Yang,Hong-Chang,M-L T2-19,M-II T6-5,T-L T9-31*,
Yang,Shieh-Yueh,M-L T2-23,T-L T9-31
Yasutomi,Yasuhiro,M-L T1-1,
Yazawa,Shogo, M-II T6-21*,
Yelnik,Jérôme,W-I T3-20,
Yokosawa,Koichi,M-III T8-24,
Yoshida,Hidenori, M-II T6-7,
Yoshizawa,Masahito,M-L T1-11
Yu,Kwon-Kyu,M-L T1-12,M-I T5-22,T-L T9-28,
Yu,C.Y.,M-L T2-30,
Yubero,Raquel,W-III T12-25,
Yumoto,Masato, M-II T6-3,M-II T6-16

Z
Zacharias,Norman,W-I T4-33*
Zakorcheny,Oleksandr, T-L T1-1
Zandona,Ednaldo,T-L T9-19,
Zappasodi,Filippo, M-II T6-22*,T-II T6-19,W-II T6-2,W-II T6-4,W-III T12-31,W-III T12-32,W-III T12-36,
Zarate,Carlos,S-4.2,
Zhang,Kun,T-I T4-22,
Zhang,Linda,T-III T8-31,
Zhang,Tongsheng,W-II T6-3,
Zhao,Dazhe, M-III T7-10,T-III T10-7
Zhao,Hong, M-III T7-10,T-III T10-7
Zhdanov,Andrey,M-III T7-21,
Zhu,Hongmei,W-II T6-14,
Ziehe,Andreas, M-I T4-15,W-L T11-3
Zirpel,Peter,M-L T2-20,
Zito,Giancarlo,W-III T12-32,
Zivkovic,Sasa,W-III T12-13*,
Zotov,Vadim,W-L T9-29,
Zouridakis,George, M-II T6-23*
Zrinzo,Ludvic,S-8.2,
Zumer,Johanna, M-I T4-17,M-II T6-24*,M-III T8-25,W-II T6-9

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES



Biomag 2010

17th International Conference on Biomagnetism

March 28 - April 1, 2010

Dubrovnik, Croatia

www.biomag2010.org

CONTACT ADDRESS BY E-MAIL:

info@biomag2010.org

program@biomag2010.org

chair@biomag2010.org

inv-letter@biomag2010.org

webmaster@biomag2010.org

CONTACT ADDRESS BY MAIL:

BIOMAG 2010 – Department of Physics

Faculty of Science

Bijenicka 32

10 000 Zagreb

CROATIA

CONTACT BY FAX:

Sanja Josef Golubic

BIOMAG 2010

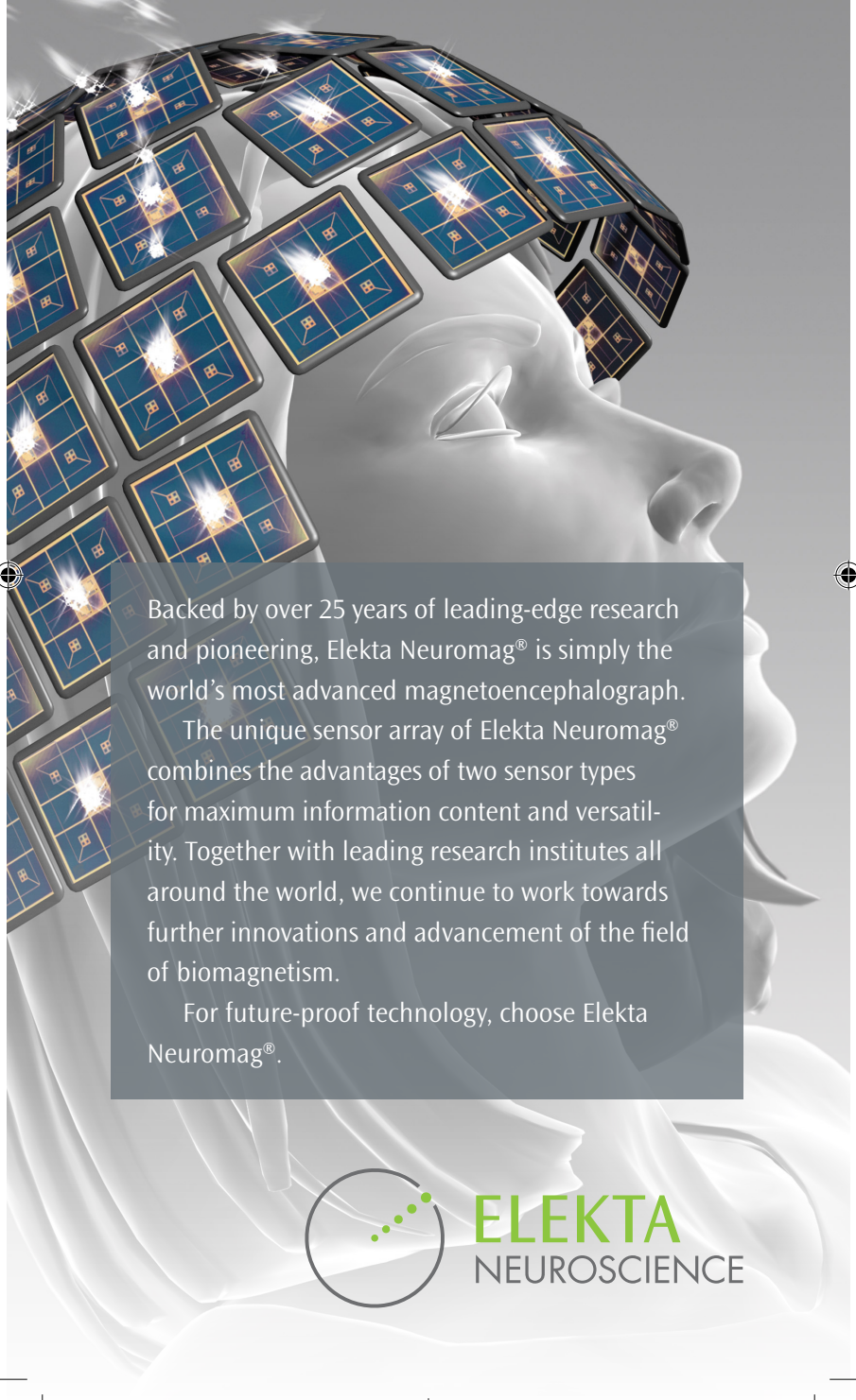
+385 1 468-0336





Elekta Neuromag[®]

Your choice in MEG



Backed by over 25 years of leading-edge research and pioneering, Elekta Neuromag[®] is simply the world's most advanced magnetoencephalograph.

The unique sensor array of Elekta Neuromag[®] combines the advantages of two sensor types for maximum information content and versatility. Together with leading research institutes all around the world, we continue to work towards further innovations and advancement of the field of biomagnetism.

For future-proof technology, choose Elekta Neuromag[®].



ELEKTA
NEUROSCIENCE