

SCIENTIFIC PROGRAM

Monday, June 7, 2010

Schedule at a Glance

Monday, June 7, 2010

Registration Open	6:30am – 5:30pm
Poster Set-up	7:00am – 8:00am
Plenary Session	8:00am – 10:15am
Exhibit Hall Open	10:15am – 4:00pm
Refreshment Break (Exhibit Hall)	10:15am – 10:30am
Discussion Group	10:30am – 12:30pm
Symposia	10:30am – 12:30pm
Poster Viewing	10:30am – 12:30pm
AASM General Membership Meeting	12:30pm – 1:45pm
Meet the Professors	12:30pm – 1:30pm
Lunch and Learn: A Pro/Con Debate	12:30pm – 1:30pm
Invited Lecturers	1:45pm – 2:45pm
Oral Presentations	1:45pm – 2:45pm
Refreshment Break (Exhibit Hall)	2:45pm – 3:00pm
Clinical Workshop	3:00pm – 5:00pm
Oral Presentations	3:00pm – 5:00pm
Symposia	3:00pm – 5:00pm
SRS General Membership Meeting and 50th Anniv. Meeting Reception	5:15pm – 8:00pm

Industry Supported Activities

Please see page 134 for information regarding industry supported activities at SLEEP 2010.

POSTER SET-UP

7:00am – 8:00am

Exhibit Hall C

Posters should be assembled for display during this time and should not be removed until 5:00pm.

PLENARY SESSION

8:00am – 10:15am

Ballroom C

Welcome

Michael Sateia, MD, Chair, APSS Program Committee

AASM and SRS Presentations

Clete Kushida, MD, PhD, President, AASM

Clifford Saper, MD, PhD, President, SRS

Keynote Address:

Immediately following the welcome address and AASM/SRS presentations.

See page 11 for more information about the Keynote speaker.

I 01: Sleep and Circadian Rhythms - Closer Together Again

Ballroom C

Derk-Jan Dijk, PhD

Psychologist Level of Content: Intermediate

Objectives:

1. Review data relevant to sleep and circadian systems in humans.
2. Explain the interaction of sleep and circadian systems.
3. Discuss approaches to solving remaining questions regarding the interaction of sleep and circadian systems.

EXHIBIT HALL OPEN

10:15am – 4:00pm

Exhibit Halls C & D

Please see pages 142-143 for a complete list of exhibitors.

REFRESHMENT BREAK IN THE EXHIBIT HALL

10:15am – 10:30am

DISCUSSION GROUP

10:30am – 12:30pm

D 02: Sleep and Circadian Biology: New Opportunities and

Resources for Molecular Research at the NIH

10:30am – 12:30pm

Room 214D

Co-Chairs: Aaron Laposky, PhD; and Michael Twery, PhD

Faculty: Rosemarie Filart, MD, MPH; Jennie Larkin, PhD;

Mirosław Mackiewicz, PhD; Clifford Saper, MD, PhD; Catherine Stoney, PhD

Psychologist Level of Content: Intermediate

Objectives:

1. Discuss the NIH research directions and opportunities that may facilitate the application of genomic, proteomic and metabolomic strategies to sleep and circadian research.
2. Identify selected NIH resource programs for molecular research and tissue sharing biorepository capabilities.

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3. Discuss specific challenges investigators face in developing and advancing “omics” programs in sleep and circadian research and potential strategies to overcome these challenges.
4. Explain how to foster communication between investigators and NIH program officials regarding best practices, potential strategies and available mechanisms to consider in planning an NIH grant application for genomic, proteomic and metabolomic research.

SYMPOSIA

10:30am – 12:30pm

- S 03: Treatment Options for Sleep Apnea Patients who are Non-adherent with Positive Airway Pressure Treatment**
10:30am – 12:30pm
Room 214ABC

Chair: James Walsh, PhD

Faculty: Ronald Grunstein, MD, PhD; Kasey Li, DDS, MD; Alan Lowe, DMD, PhD

Psychologist Level of Content: Advanced

Objectives:

1. Describe the evidence regarding the efficacy, effectiveness and limitations of weight loss, oral appliances, expiratory positive airway pressure and maxillomandibular surgery as treatments for obstructive sleep apnea.
2. Discuss the role of these treatments for the chronic disease management of obstructive sleep apnea.
3. Identify key scientific questions about these therapeutic interventions and their role in the treatment of obstructive sleep apnea.

10:30am – 10:35am **Introduction**
James Walsh, PhD

10:35am – 11:00am **Effectiveness of Maxillofacial Surgery in the Treatment of Sleep Apnea**
Kasey Li, DDS, MD

11:00am – 11:25am **The Use of Oral Appliances in the Treatment of Sleep Disordered Breathing**
Alan Lowe, DMD, PhD

11:25am – 11:50am **The Benefit of Weight Loss in the Management of Sleep Apnea**
Ronald Grunstein, MD, PhD

11:50am – 12:15pm **Evaluation of a Simple Expiratory Positive Airway Pressure Device in Treating Sleep Apnea**
James Walsh, PhD

12:15pm – 12:30pm **Question and Answer Session**
Faculty

- S 04: So Many Choices and Which to Choose: Alternative Delivery Methods for the Psychological/Behavioral Insomnia Therapies**
10:30am – 12:30pm
Room 207AB

Chair: Jack Edinger, PhD

Faculty: Richard Bootzin, PhD; Colin Espie, PhD; Charles Morin, PhD

Psychologist Level of Content: Introductory

Objectives:

1. Compare bibliotherapy, internet-based and nurse-guided approaches for treating insomnia.
2. Discuss what constitutes adequate treatment dosing of cognitive behavioral therapy (CBT) for insomnia when delivered in individual sessions with primary and comorbid forms of insomnia.
3. Describe the use and efficacy of a brief albeit intensive lab-based intervention for difficult to treat insomnia patients.

10:30am – 10:35am **Introduction**
Jack Edinger, PhD

10:35am – 11:00am **Bibliotherapy and Internet-based Insomnia Therapies**
Charles Morin, PhD

11:00am – 11:25am **Nurse-led Group Therapies in Primary Care Settings**
Colin Espie, PhD

11:25am – 11:50am **Dosing Strategies for Individualized CBT**
Jack Edinger, PhD

11:50am – 12:15pm **Intensive Sleep Retraining Therapy**
Richard Bootzin, PhD

12:15pm – 12:30pm **Question and Answer Session**
Faculty

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POSTER VIEWING

10:30am – 12:30pm

Exhibit Hall C

Please see pages 44-61 for a complete listing of the posters displayed during this session.



AMERICAN ACADEMY OF SLEEP MEDICINE GENERAL MEMBERSHIP MEETING

12:30pm – 1:45pm

Room 206AB

This meeting is open to all AASM members.

MEET THE PROFESSORS

12:30pm – 1:30pm

Pre-registration is required.

CE credits for psychologists are not provided for these sessions.

M 01: Oral Appliance Therapy in Sleep Apnea

Room 213B

Jeffrey Pancer, DDS

M 02: Managing the Shift Work Patient

Room 209

Kathryn Reid, PhD

M 03: Management Challenges in RLS

Room 212A

Christopher Earley, MD, PhD

M 04: Pharmacologic Treatment of Insomnia

Room 210B

David Neubauer, MD

M 05: Assessment of Sleepiness: MSLT vs. MWT

Room 211

Karl Doghramji, MD

M 06: Challenges in Diagnosing and Treating Narcolepsy

Room 210A

Thomas Scammell, MD

M 07: Management of Sleep Apnea in Children

Room 212B

Carole Marcus, MBBCh

M 08: Sleep in Menopause

Room 213A

Joyce Walsleben, PhD

LUNCH AND LEARN: A PRO/CON DEBATE

12:30pm – 1:30pm

Pre-registration is required.

CE credits for psychologists are not provided for this session.

L 01: Predicting Fatigue in the Real World: Ready for Prime Time?

Room 205

Faculty: Thomas Balkin, PhD; and Philippa Gander, PhD

Objectives:

1. Review the mathematical models to predict performance.
2. Describe the current applications of mathematical models to predict performance in industry.
3. Discuss the benefits and limitations of performance prediction models.



Sleep
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SRS SECTION MEETING

12:45pm – 1:45pm

This meeting is open to all SRS members interested in SRS membership sections.

Sleep and Behavior Research
Section Meeting

Room 202AB

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INVITED LECTURERS

1:45pm – 2:45pm

See pages 14 and 15 for more information about these invited lecturers.

1 02: Infant and Toddler Sleep Disturbance: Helping Families

Get a Good Night's Sleep

1:45pm – 2:45pm

Ballroom C1

Jodi Mindell, PhD

Psychologist Level of Content: Intermediate

Objectives:

1. Discuss etiological and risk factors for behaviorally-based sleep problems in young children.
2. Analyze the nature and management of infant and toddler sleep disturbances.
3. Review empirically-based treatments for bedtime problems and night wakings.

1 03: The Role of Sleep in Brain Function: Memory and Emotion

1:45pm – 2:45pm

Ballroom C3

Matthew Walker, PhD

Psychologist Level of Content: Intermediate

Objectives:

1. Examine the role of sleep, beyond memory consolidation, in the intelligent offline integration of new information – the potential basis of creativity.
2. Review evidence supporting a critical role for sleep in affective brain regulation.
3. Explain a REM sleep hypothesis of emotional brain homeostasis, highlighting clinical implications.

ORAL PRESENTATIONS

1:45pm – 2:45pm

Authors selected for oral presentations are allotted a 10-minute time period to present their abstract, followed by a 5-minute time period for questions and answers. The four-digit abstract ID number corresponds to the *SLEEP* abstract supplement.

0 04: Insomnia: Psychosocial and Epidemiological Dimensions

1:45pm – 2:45pm

Ballroom C2

Chair: Maurice Ohayon, MD, PhD

Psychologist Level of Content: Introductory

Objective: Examine data reviewing the impact of insomnia of a variety of human groups.

#0563 1:45pm – 2:00pm

LACK OF MAJOR INTERSPOUSAL SLEEP DISRUPTION BETWEEN SPOUSES WHO BOTH HAVE INTRINSIC SLEEP DISORDERS

Watenpaugh DE, Dao D, Burk JR

#0564 2:00pm – 2:15pm

MENOPAUSAL STATUS, RACE AND SLEEP DISTURBANCES IN MIDLIFE WOMEN

Pien GW, Beothy EA, Ratcliffe S, Staley B, Anastasi M

#0565 2:15pm – 2:30pm

COMORBID INSOMNIA: RELATIONSHIP OF INSOMNIA WITH WORK PRODUCTIVITY, ABSENTEEISM, AND PERFORMANCE OF DAILY ACTIVITIES

Perozzo C, Gagnon C, de Montigny-Malenfant B, LeBlanc M, Savard J, Morin CM

#0566 2:30pm – 2:45pm

LONGITUDINAL STUDY OF INSOMNIA IN THE GENERAL POPULATION OF KOREA

Hong S, Ohayon MM

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05: Neurocognitive Effects of Obstructive Sleep Apnea

1:45pm – 2:45pm

Room 214ABC

Chair: Sheldon Kapen, MD

Psychologist Level of Content: Intermediate

Objective: Describe the impact of obstructive sleep apnea on neurocognition.

#0326 1:45pm – 2:00pm

RESIDUAL SLEEPINESS IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA/HYPOPNEA SYNDROME: A CENTRAL POST-HYPOXIC HYPERSOMNIA?

Vernet C, Redolfi S, Attali V, Konofal E, Brion A, Frija-Orvoen E, Pottier M, Similowski T, Arnulf I

#0327 2:00pm – 2:15pm

SLEEP-DEPENDENT MEMORY CONSOLIDATION IN OBSTRUCTIVE SLEEP APNEA

Djonlagic I, Saboisky J, Carusona A, Stickgold R, Malhotra A

#0328 2:15pm – 2:30pm

WHITE MATTER INTEGRITY IN OBSTRUCTIVE SLEEP APNEA (OSA): CHANGES IN DIFFUSION TENSOR IMAGING (DTI) AFTER CPAP TREATMENT

Castronovo V, Scifo P, Aloia MS, Cappa SF, Falini A, Ferini Strambi L

#0329 2:30pm – 2:45pm

BRAIN STRUCTURAL CHANGES IN OSA PATIENTS BEFORE AND AFTER TREATMENT

Ferini Strambi L, Canessa N, Castronovo V, Alemanno F, Aloia MS, Marelli S, Falini A, Cappa SF

06: Sleep and Metabolism

1:45pm – 2:45pm

Room 214D

Chair: Ketema Paul, PhD

Psychologist Level of Content: Advanced

Objective: Appraise the interactions between sleep, hormones, metabolism and the immune system.

#0054 1:45pm – 2:00pm

THE EFFECTS OF GHRELIN ON SLEEP EEG AND NOCTURNAL HORMONE SECRETION ARE INFLUENCED BY GENDER, AGE AND TIME OF ADMINISTRATION

Steiger A, Kluge M, Schüssler P, Mary G, Uhr M, Yassouridis A

#0055 2:00pm – 2:15pm

EFFECTS OF SLEEP RESTRICTION ON GLUCOSE REGULATION DURING DIET-INDUCED WEIGHT LOSS

Nedeltcheva A, Zhou M, Imperial J, Benyavkaya Y, Penev P

#0071 2:15pm – 2:30pm

SLEEP DISTURBANCES IN A MOUSE MODEL OF BIPOLAR DISORDER

Burgess CR, Kirshenbaum G, Ralph M, Roder J, Peever J

#0065 2:30pm – 2:45pm

CIRCADIAN VARIATION OF THE INFLAMMATORY CYTOKINES INTERLEUKIN-6 (IL-6) AND INTERLEUKIN-1 RECEPTOR ANTAGONIST (IL-1ra) UNDER CONSTANT ROUTINE CONDITIONS

Smith MR, Frey DJ, Fleshner M, Wright, Jr KP

07: Neurological Disorders in Sleep: Paroxysmal, Traumatic and Degenerative Conditions

1:45pm – 2:45pm

Room 207AB

Chair: Erik St. Louis, MD

Psychologist Level of Content: Advanced

Objective: Evaluate sleep disturbance in patients with neurological disorders.

#0817 1:45pm – 2:00pm

DAY-NIGHT DISTRIBUTION OF SEIZURES IN AMBULATORY CONDITIONS

Pavlova M, Dworetzky BA, Yilmaz F

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| <p>#0818 2:00pm – 2:15pm
MWT, BUT NOT IMPAIRED OLFACTION, DIFFERENTIATES PARKINSON'S DISEASE (PD) FROM IDIOPATHIC REM BEHAVIOR DISORDER (RBD)
<i>Trotti L, Juncos J, Factor SA, Freeman A, Wilson A, Hollars S, Greer S, Wood-Siverio C, Rye DB, Bliwise DL</i></p> <p>#0819 2:15pm – 2:30pm
NUMBER OF ANTIPILEPTIC DRUGS PREDICT THE PRESENCE AND THE SEVERITY OF OBSTRUCTIVE SLEEP APNEA IN EPILEPSY
<i>Pornsriyom D, Andrews ND, Baccaray S, Savasky B, Foldvary-Schaefer N</i></p> <p>#0820 2:30pm – 2:45pm
MODAFINIL AMELIORATES EXCESSIVE DAYTIME SLEEPINESS AFTER TRAUMATIC BRAIN INJURY
<i>Kaiser P, Valko P, Werth E, Thomann J, Meier J, Stocker R, Bassetti C, Baumann CR</i></p> | <p>3:05pm – 3:25pm
Parasomnia or Seizure? Lessons from Use of Epilepsy Monitoring and Clinical Presentation
<i>Beth Malow, MD</i></p> <p>3:25pm – 3:45pm
Nocturnal Wandering – Parasomnia or Nocturnal Epilepsy
<i>Rosalia Silvestri, MD</i></p> <p>3:45pm – 4:05pm
Unusual Nocturnal Behaviors – A Case of Parasomnia Versus Psychiatric Disturbance
<i>Michel Cramer Bornemann, MD</i></p> <p>4:05pm – 4:25pm
The Unusually Intimate – A Differential Diagnosis of Sexsomnia
<i>Carlos Schenck, MD</i></p> <p>4:25pm – 4:45pm
Abnormal Movements from Sleep – A Movement Disorder or Parasomnia?
<i>Mark Quigg, MD</i></p> <p>4:45pm – 5:00pm
Discussion
<i>Faculty</i></p> |
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REFRESHMENT BREAK IN THE EXHIBIT HALL
2:45pm – 3:00pm

CLINICAL WORKSHOP

3:00pm – 5:00pm

- W 01: Parasomnia, Seizure or Else – Case-based Discussion of Abnormal Nocturnal Behaviors**
3:00pm – 5:00pm
Room 207AB

Chair: Milena Pavlova, MD

Faculty: Michel Cramer Bornemann, MD; Beth Malow, MD; Carlos Schenck, MD; Rosalia Silvestri, MD

Psychologist Level of Content: Advanced

Objectives:

1. Discuss similarities and differences between parasomnias and other distinct abnormal nocturnal behaviors using a case-based approach.
2. Identify key features of history and presentation that clarify diagnosis.
3. Review methods of testing that can help in the diagnosis.

3:00pm – 3:05pm **Introduction**
Milena Pavlova, MD

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ORAL PRESENTATIONS

3:00pm – 5:00pm

Authors selected for oral presentations are allotted a 10-minute time period to present their abstract, followed by a 5-minute time period for questions and answers. The four-digit abstract ID number corresponds to the *SLEEP* abstract supplement.

08: Cardiovascular Associations with Obstructive Sleep Apnea

3:00pm – 5:00pm

Ballroom C3

Chair: Virend Somers, MD

Psychologist Level of Content: Advanced

Objective: Inventory the cardiovascular consequences of obstructive sleep apnea.

#0330 3:00pm – 3:15pm

ASSOCIATIONS BETWEEN ANTI-ANGIOGENIC PROTEINS WITH OVERNIGHT HYPOXEMIA AND SLEEP DISORDERED BREATHING IN PREGNANCY

Louis J, Auckley D, Manski M, Karumanchi A, Mencin P, Redline S

#0331 3:15pm – 3:30pm

AN fMRI STUDY OF CEREBRAL VASCULAR REACTIVITY IN UNTREATED OSA PATIENTS AND HEALTHY CONTROLS

Prilipko O, Huynh NT, Kushida C, Guilleminault C

#0332 3:30pm – 3:45pm

IMPROVEMENT IN LEFT VENTRICULAR REMODELING IN PATIENTS WITH SEVERE OSA FOLLOWING CPAP THERAPY

Almutairi S, Alharbi F, Corne S, Giannouli E, Shepertycki M, Colish J, Walker J, Elmayergi N, Jassal D, Sharma S

#0333 3:45pm – 4:00pm

CARDIOVASCULAR AND ASSOCIATED MORBIDITY COMPARISONS BETWEEN OBSTRUCTIVE SLEEP APNEA PATIENTS AND GENERAL POPULATION CONTROLS USING WESTERN AUSTRALIAN LINKED HEALTH DATA

Fedson A, Lam E, Ward K, Cooper M, Lee J, Simpson L, Hung J, Hillman DR, Mukherjee S, Palmer LJ

#0334 4:00pm – 4:15pm

THE ASSOCIATION OF SLEEP DISORDERED BREATHING AND MEASURES OF ARTERIAL STIFFNESS AND CENTRAL PULSE PRESSURE

Gharibeh TR, Wang X, Male M, Stennis S, Mehra R

#0335 4:15pm – 4:30pm

SLEEP FRAGMENTATION AND HYPOXIA IMPAIR ENDOTHELIAL FUNCTION IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA SYNDROME

Noda A, Miyata S, Nakazaki C, Nakata S, Koike Y

#0336 4:30pm – 4:45pm

ENDOTHELIAL DEPENDANT CORONARY VASOREACTIVITY IN OBSTRUCTIVE SLEEP APNEA PATIENTS USING MYOCARDIAL BLOOD FLOW QUANTIFICATION BY 82Rb CARDIAC PET

Heinzer R, Dunet V, Vincianne R, Beysard N, Delaloye A, Jayet P, Lovis A, Allenbach G, Bischof Delaloye A, Prior J

#0337 4:45pm – 5:00pm

ENDOTHELIAL FUNCTION IN PATIENTS WITH POST-CPAP RESIDUAL SLEEPINESS

Akinnusi F, Moitheennazima B, Ayyar LV, El Solh A

09: Insomnia: Classification, Causation and Consequences

3:00pm – 5:00pm

Ballroom C2

Chair: Christopher Drake, PhD

Psychologist Level of Content: Introductory

Objective: Differentiate between good sleepers and insomniacs using psychological measures and review consequences of insomnia.

#0567 3:00pm – 3:15pm

UTILITY, VALIDITY, AND METHODOLOGICAL FACTORS INFLUENCING ASSIGNMENT OF DSM-IV-TR INSOMNIA DIAGNOSES: CONSIDERATIONS FOR DSM-V

Edinger JD, Wyatt JK, Olsen MK, Stechuchak KM, Carney CE, Chiang AA, Krystal AD, Lineberger MD, Means MK, Radtke RA

#0568 3:15pm – 3:30pm

THE RELATIONSHIP BETWEEN DAYTIME SYMPTOM PATTERNS AND CLINICALLY ASSIGNED ICD-2 INSOMNIA DIAGNOSES: A TEST OF DIAGNOSTIC VALIDITY

Sanchez-Ortuno M, Edinger JD

#0569 3:30pm – 3:45pm

IMPAIRMENT AND DISABILITY ASSOCIATED WITH INSOMNIA DIAGNOSED BY DSM-IV, RDC AND ICD CRITERIA AND ASSOCIATED WITH INSOMNIA SYMPTOMS: RESULTS FROM THE AMERICAN INSOMNIA SURVEY

Walsh JK, Coulouvrat C, Kessler RC, Sampson N, Hajak G, Roth T

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- #0570** 3:45pm – 4:00pm
MOVING BEYOND AVERAGE VALUES: ASSESSING THE NIGHT-TO-NIGHT INSTABILITY OF SLEEP AND AROUSAL IN DSM-IV-TR INSOMNIA SUBTYPES
Sanchez-Ortuno M, Carney CE, Edinger JD, Harris AL
- #0571** 4:00pm – 4:15pm
THE DAYTIME FUNCTIONING AND SLEEP ATTRIBUTION SCALE (DFSAS): A NEW INSOMNIA-SPECIFIC MEASURE TO PROBE DAYTIME IMPAIRMENT AND POOR SLEEP ATTRIBUTIONS
Kyle SD, Morgan K, Espie CA
- #0572** 4:15pm – 4:30pm
DEMOGRAPHIC AND BEHAVIORAL RISK FACTORS OF INCIDENCE INSOMNIA
Singareddy R, Vgontzas A, Liao D, Calhoun S, Bixler EO
- #0573** 4:30pm – 4:45pm
A DESCRIPTIVE STUDY OF CAUSAL ATTRIBUTIONS OF INSOMNIA AND THEIR CORRELATES
Morin CM, Bélanger L, LeBlanc M, Mercier J, Boily L
- #0574** 4:45pm – 5:00pm
PERSONALITY DISORDER FEATURES PREDICT THE INSOMNIA EXPERIENCE AMONG HYPNOTIC-DEPENDENT PATIENTS
Ruiter M, Lichstein KL, Nau SD, Geyer JD, Doekel RC, Hardin J
- 10: Sleeping to Remember**
3:00pm – 5:00pm
Room 214D
Chair: Sean Drummond, PhD
- Psychologist Level of Content: Introductory*
- Objective:** Explain the relationship between sleep variables and cognition.
- #0088** 3:00pm – 3:15pm
DIRECTING SLEEP TO SELECTIVELY FORGET AND REMEMBER HUMAN MEMORIES
Saletin JM, Goldstein AN, Walker MP
- #0089** 3:15pm – 3:30pm
SLEEP SPINDLE ACTIVITY CORRELATES WITH INTEGRATION OF NEWLY LEARNED WORDS IN THE MENTAL LEXICON
Tamminen J, Gaskell G, Payne JD, Wamsley EJ, Stickgold R
- #0090** 3:30pm – 3:45pm
SLOW WAVE ACTIVITY IN MOTOR AREAS DURING SLEEP AFTER TRAINING ON A MOTOR SEQUENCE TASK REVEALED BY A TECHNIQUE OF COMBINING MEG AND MRI
Sasaki Y, Tamaki M, Huang T, Lin F, Hämäläinen M, Watanabe T
- #0091** 3:45pm – 4:00pm
SLEEP LEADS TO QUALITATIVE CHANGES IN THE EMOTIONAL MEMORY TRACE: EVIDENCE FROM fMRI
Payne JD, Kensinger EA
- #0092** 4:00pm – 4:15pm
THE IMPACT OF SLEEP ON EMOTIONAL EPISODIC MEMORY PERFORMANCE
Wamsley EJ, Kensinger EA, Payne JD, Stickgold R
- #0093** 4:15pm – 4:30pm
POST-LEARNING SLEEP SELECTIVELY ENHANCES RETENTION OF EMOTIONAL MEMORIES: BOTH FULL AND HALF-NIGHT (REM) SLEEP DEPRIVATION INHIBITS THE ENHANCEMENT
Fishbein W
- #0094** 4:30pm – 4:45pm
THE EFFECT OF NORMAL SLEEP ON RULE-LEARNING IN AN AFFECTIVELY GUIDED DECISION-MAKING TASK: BEHAVIORAL RESULTS
Pace-Schott EF, Shepherd E, Migdal V, Morris LA, Morgan A, Stickgold R
- #0095** 4:45pm – 5:00pm
LINKING SLEEP, COGNITION AND BEHAVIOUR IN CHILDHOOD – A META-ANALYSIS
Schutte RG, Van der Heijden KB, Van Ijzendoorn MH, Swaab-Barneveld HJ, Van Someren EJ

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SYMPOSIA

3:00pm – 5:00pm

- S 05: Advances in the Basic Science and Clinical Understanding of Narcolepsy**
3:00pm – 5:00pm
Room 214ABC

Chair: Thomas Scammell, MD

Faculty: Emmanuel Mignot, MD, PhD; Takatoshi Mochizuki, PhD; John Peever, PhD; Mehdi Tafti, PhD

Psychologist Level of Content: Intermediate

Objectives:

1. Summarize new data concerning the latest basic and clinical research related to narcolepsy.
2. Discuss the neurochemical, genetic and molecular factors that underlie human narcolepsy using relevant murine models.
3. Review clinical data on newly identified genetic markers that may contribute to human narcolepsy and to the loss of the hypocretin/orexin neurons.

3:00pm – 3:05pm

Introduction

Thomas Scammell, MD

3:05pm – 3:30pm

Neurochemical Mechanisms Mediating Cataplexy in Murine Narcolepsy

John Peever, PhD

3:30pm – 4:00pm

Unraveling the Pathways that Cause Sleepiness in Narcoleptic Mice

Takatoshi Mochizuki, PhD

4:00pm – 4:30pm

Potential Targets of an Autoimmune Attack in Narcolepsy

Mehdi Tafti, PhD

4:30pm – 5:00pm

Genetic Factors Predisposing to Human Narcolepsy

Emmanuel Mignot, MD, PhD

- S 06: Circadian and Sleep Disturbances Underlying Cardiometabolic Disease in Shift Workers**

3:00pm – 5:00pm

Ballroom C1

Chair: Frank Scheer, PhD

Faculty: Carolina Escobar, PhD; Linda Morgan, PhD, FRCPath; Fred Turek, PhD

Psychologist Level of Content: Advanced

Objectives:

1. Summarize the data on the increased risk in cardiovascular and metabolic disease in shift workers.
2. Describe the adverse cardiovascular and metabolic consequences of disturbances of the circadian system and sleep.
3. Discuss the mechanisms underlying physiological and pathophysiological changes in shift workers and during circadian disturbances.

3:00pm – 3:30pm

Impact of Genetic and Environmental Disturbances of the Circadian System on Metabolism and Body Weight in Rodents

Fred Turek, PhD

3:30pm – 4:00pm

Influence of Simulated Shift Work on Feeding, Activity and Metabolism in Rodents

Carolina Escobar, PhD

4:00pm – 4:30pm

Influence of Shift Work on Postprandial Metabolism in Humans

Linda Morgan, PhD, FRCPath

4:30pm – 5:00pm

Cardiometabolic Consequences of Circadian Misalignment in Humans

Frank Scheer, PhD

MONDAY

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AASM SECTION MEETINGS

5:00pm – 7:00pm

These meetings are open to all AASM members interested in AASM membership sections.

Childhood Sleep Disorders and Development Section Meeting

Room 202AB

Circadian Rhythms Section Meeting

Room 203A

Movement Disorders Section Meeting

Room 206AB

Sleep Related Breathing Disorders Section Meeting

Room 207AB



Sleep
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SLEEP RESEARCH SOCIETY GENERAL MEMBERSHIP MEETING & 50TH ANNIVERSARY MEETING RECEPTION

5:15pm – 8:00pm

Grand Hyatt San Antonio

Lone Star Ballroom – Salons ABC (2nd Level)

All SRS members are invited to attend the general membership meeting (5:15pm – 6:30pm), which will be immediately followed by a reception (6:30pm – 8:00pm) to celebrate the 50th Anniversary of the first meeting of the Sleep Research Society.

MONDAY

SCIENTIFIC PROGRAM

Monday, June 7, 2010

POSTER VIEWING

10:30am – 12:30pm

Authors with odd-numbered poster board ID numbers will be present at their posters from 10:30am – 11:30am.

Authors with even-numbered poster board ID numbers will be present at their posters from 11:30am – 12:30pm.

The four-digit abstract ID number coordinates to the *SLEEP* abstract supplement. Please refer to the poster board ID number to locate a specific abstract within the poster hall.

P 01: Sleep Deprivation: Basic Mechanisms and Individual Differences

#0247 Poster Board 1

ROLE OF NITRIC OXIDE IN THE PERIFORNICAL-LATERAL HYPOTHALAMIC AREA IN THE REGULATION OF SLEEP AND WAKEFULNESS

Kostin A, Rai S, Kumar S, Szymusiak RS, McGinty DJ, Alam M

#0248 Poster Board 2

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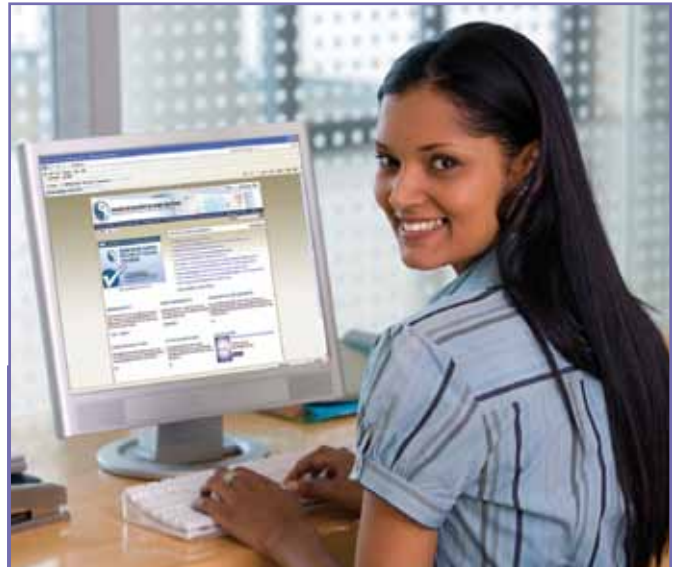
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