

# Respiratory Neurobiology & Sleep Assembly Newsletter

Edited by R. John Kimoff, MD, Assembly Chair



ATS™

1905-2005

100 YEARS OF ADVANCES IN TREATMENT  
AND SCIENCE OF RESPIRATORY DISEASES

## Message from the Assembly on RNS Chair

R. John Kimoff

Dear Colleagues,

I am very pleased to have this opportunity to update you on the activities of our Assembly. We have had a great year so far and we are eagerly looking forward to the Society's International Conference in San Diego. If you haven't registered yet for the Conference, it's still not too late to do so. You won't want to miss what promises to be a very exciting program, particularly as the ATS celebrates its 100<sup>th</sup> birthday!

The Assembly on RNS Program Committee, which is chaired by Mary Morrell, M.D., has done a superb job in putting together an excellent scientific program for this year. Major symposia will focus on cutting-edge issues in the functional genomics of sleep apnea and sleep, the neurobiology of upper airway control, and will critically examine the in-

teaction of sleep disorders and heart failure. The popular Pro-Con debates on key sleep issues will also return. We also have an exciting line-up of slide mini-symposia and poster sessions at which high-quality original research will be presented on topics ranging from basic science through pathophysiology to very practical clinical management. One of the mini-symposia will have a Centennial focus and will reflect on respiratory and sleep medicine during the last century and look toward the future of the field. This year's program also features an Evening Symposium on the neurobiology of sleepiness and sleep apnea, which will take a bench-to-bedside approach to these issues.

I would like to remind you about the annual Assembly on RNS Meeting, which will be held as usual on Monday afternoon during the Confer-

ence. I encourage you to attend this meeting, as we will present the Trainee Travel Awards, elect new officers for the Assembly, receive updates on Assembly and ATS activities and discuss new initiatives.

Please also remember to sign up for the annual Assembly Dinner, which will be held immediately following the Assembly Meeting on Monday evening. This event has been organized by David Gozal, M.D., and ATS Staff and once again promises to be a very enjoyable evening. At this year's dinner, we will also announce the recipient of the first Assembly on RNS Young Investigator Award. Details on the Dinner and how to register can be found by clicking on or visiting this link [http://www.thoracic.org/assemblies/rns/rns\\_news.asp](http://www.thoracic.org/assemblies/rns/rns_news.asp).

I look forward to seeing you in San Diego.

## Spring 2005

### OFFICERS OF THE RNS ASSEMBLY

Assembly Chairman  
2003-2005: R. John Kimoff  
[John.kimoff@muhc.mcgill.ca](mailto:John.kimoff@muhc.mcgill.ca)

Planning Chairman  
2004-2006: Safwan Badr  
[sbadr@intmed.wayne.edu](mailto:sbadr@intmed.wayne.edu)

Program Chairman  
2004-2005: Mary Morrell  
[m.morrell@imperial.ac.uk](mailto:m.morrell@imperial.ac.uk)

Program Chair-elect  
2004-2005: Atul Malhotra  
[amalhotra@partners.org](mailto:amalhotra@partners.org)

Nominating Chairman  
2004-2005: Matthew Naughton  
[m.naughton@alfred.org.au](mailto:m.naughton@alfred.org.au)

Web Director  
2004-2005: Brian Foresman  
[bforesma@iupui.edu](mailto:bforesma@iupui.edu)

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## Notes from a Small Island

by Mary J. Morrell, Ph.D., Assembly on RNS Program Chair

As a non-United States resident, it has been an honor to chair the Assembly on RNS Program Committee for the 2005 ATS International Conference. It was a truly International affair and my thanks go to everyone for supporting me in putting together the program. I am delighted to report that we have a higher number of major sleep symposia this year, compared to previous years. In addition, we have several excellent talks that celebrate the history of sleep and breathing, marking the Centennial anniversary of the ATS.

This year, the Assembly on RNS Program Committee took several

proactive steps to increase the profile of the Conference, including writing to other sister societies around the world and speaking to key individuals— thanks to everyone who helped to spread the word. Our efforts resulted in a significant increase in the number and quality of international abstracts submitted to our Assembly.

This year also sees another first for the Assembly on RNS. We will be hosting an industry-sponsored evening symposia focused on sleep medicine. This is that first time our Assembly has held such an event. We have a stellar cast

of speakers and I look forward to seeing you all there.

Finally, as we cannot put the program together without you, please consider submitting symposia or any other suggestions for the 2006 International Conference to Atul Malhotra, M.D., who takes over as Assembly on RNS Program Chair in 2006, via e-mail at [amalhotr1@partners.org](mailto:amalhotr1@partners.org). I am leaving the Conference in good hands!

## ATS 2005 – SAN DIEGO Sessions Sponsored by the Assembly on Respiratory Neurobiology and Sleep

POSTGRADUATE COURSE			
<u>Friday, May 20</u>			
PG12	COMPREHENSIVE UPDATE ON THE MANAGEMENT OF OBSTRUCTIVE SLEEP APNEA	8:00 am	4:00 pm
SCIENTIFIC SYMPOSIA			
<u>Sunday, May 22</u>			
A8	MOVING TOWARD BEST PRACTICE: WHERE DOES THE DIAGNOSIS AND TREATMENT OF SLEEP RELATED PATHOLOGY FIT IN THE CARE OF HEART FAILURE?	8:15 am	11:00 am
<u>Monday, May 23</u>			
B77	FUNCTIONAL GENOMIC APPROACHES TO SLEEP APNEA AND SLEEP	1:30 pm	4:00 pm
<u>Tuesday, May 24</u>			
C6	UPPER AIRWAY MOTOR CONTROL: BENCH TO BEDSIDE	8:15 am	10:45 am
<u>Wednesday, May 25</u>			
D78	CONTROVERSIES IN SLEEP DISORDERED BREATHING: PRO/CON DEBATES	1:30 pm	4:15 pm
SUNRISE SEMINARS			
<u>Monday, May 23</u>			
SS119	INTERPRETING PSG IN CONGESTIVE HEART FAILURE: FROM OBSTRUCTIVE SLEEP APNEA TO CHEYNE-STOKES RESPIRATION	7:00 am	8:00 am
<u>Tuesday, May 24</u>			
SS220	SLEEP DISORDERS DURING PREGNANCY	7:00 am	8:00 am

# ATS 2005 – SAN DIEGO

## Sessions Sponsored by the Assembly on Respiratory Neurobiology and Sleep

SUNRISE SEMINARS CONT'D			
Wednesday, May 25			
SS319	SLEEP DISORDERS IN THE ELDERLY	7:00 am	8:00 am

MEET THE PROFESSOR SEMINARS			
Sunday, May 22			
MP419	WALKING, TALKING AND OTHER ACTIVITY AT NIGHT: PARASOMNIAS FOR THE PULMONOLOGIST	12:00 noon	1:00 pm
Monday, May 23			
MP519	CENTRAL SLEEP APNEA: DIAGNOSIS AND TREATMENT	12:00 noon	1:00 pm
Tuesday, May 24			
MP618	AN APPROACH TO RESIDUAL SLEEPINESS IN WELL TREATED SLEEP APNEA	12:00 noon	1:00 pm

MINI SYMPOSIA			
Sunday, May 22			
A87	OBSTRUCTIVE SLEEP APNEA: 100 YEARS PAST AND MOVING FORWARD?	1:30 pm	4:15 pm
Monday, May 23			
B18	TREATMENT OF OBSTRUCTIVE SLEEP APNEA: WHAT'S NEXT?	8:15 am	11:00 am
B88	CEREBROVASCULAR ASPECTS OF SLEEP DISORDERED BREATHING	1:30 pm	4:15 pm
Wednesday, May 25			
D19	SLEEP DISORDERED BREATHING AND NEUROCOGNITIVE FUNCTION IN CHILDREN AND ADULTS (with the Assembly on Pediatrics)	8:15 am	11:00 am

POSTER DISCUSSION SESSIONS			
Sunday, May 22			
A29	CONTROL OF BREATHING FROM BENCH TO BEDSIDE	8:15 am	11:00 am
Monday, May 23			
B27	THE ROLE OF INFLAMMATION AND NOVEL BIOMARKERS IN SLEEP DISORDERED BREATHING	8:15 am	11:00 am
Tuesday, May 24			
C29	UPPER AIRWAY COLLAPSIBILITY FROM MODELS TO PATIENTS TO TREATMENT	8:15 am	11:00 am
Wednesday, May 25			
D27	EFFECTS OF SLEEP APNEA FROM VESSELS TO PUMP	8:15 am	11:00 am

THEMATIC POSTER SESSIONS			
Sunday, May 22			
A63	OUTCOMES OF SLEEP APNEA	8:15 am	4:15 pm
Tuesday, May 24			
C58	ADVANCES IN CLINICAL SLEEP MEDICINE	8:15 am	4:15 pm

## FY2006 Assembly/Committee Project Forms are Available!

For your information, the FY2006 (January 1-December 31, 2006) project application forms for Assembly/Committee projects are now available on the ATS website at:

<http://www.thoracic.org/assemblies/projectform.asp>

Please consider submitting an application for an Assembly/Committee project. If you have an idea for a project application and you need assistance, please contact your Assembly Planning Committee chair Safwan M. Badr, M.D., at [sbadr@intmed.wayne.edu](mailto:sbadr@intmed.wayne.edu). The timeline for the application and review process follows:  
March 2005: FY2006 forms are available

July 18, 2005: Assembly/Committee project applications are due to the ATS office. Late submissions or submissions without proper COI disclosures will not be accepted.

early-mid August 2005: abridged versions of the proposals will be

posted on the ATS site and emails will be sent to ATS Leadership, Assembly Planning Committee Chairs, Assembly Chairs, ATS Committee Chairs, appropriate ATS staff and the PRS committee, to notify them that the current, un-reviewed proposals are available. This will give everyone an opportunity to touch base with any of the applicants if they would like to get involved with a project before it goes to the PRS for review.

August 2005: Assembly Planning Committees will meet via conference call to review appropriate proposals. Any proposal that has indicated on the form that a specific ATS committee may want to become involved will be sent to the ATS committee chair and to the appropriate staff member. Committees are encouraged to work with appropriate ATS staff and review any proposals and to send recommendations to the applicant and to the PRS.

September 2<sup>nd</sup> 2005: Revised proposals and all reviews from Assemblies and Committees are due

to ATS office. This includes any proposal that has revisions based on a review by an Assembly Planning Committee or an ATS Committee.

early October 2005: Program Review Sub-Committee (PRS) meeting

early November 2005: Program & Budget Committee (P&B) meeting. Recommendations from the PRS will be provided to the P&B Committee. At the discretion of the P&B Committee, specific projects will be added to the FY2006 budget as new items.

December: ATS Board reviews FY 2006 Budget

Please contact Elisha Malanga with any questions at tel: 212/315-8693 or email: [emalanga@thoracic.org](mailto:emalanga@thoracic.org)

## Expand Your Horizons With SRS Membership

Sonia Ancoli-Israel, PhD, SRS PRESIDENT

The **Sleep Research Society** invites members of related organizations to expand the scope of their professional experience by joining the SRS. The relationship between respiratory and sleep disorders is startling: of the 84 disorders identified in the *International Classification of Sleep Disorders*, almost two-thirds are in many ways related to pul-

monology and critical care medicine. The SRS provides an attractive platform for interaction between professionals with interdisciplinary interests related to sleep research and sleep medicine. As researchers, we continually foster scientific investigation, seek forums to exchange knowledge, advance education and training, develop our professional

relationships, and promote research findings. Membership in the SRS affords us these opportunities. Some benefits of SRS members are:

- **Publications** - *SLEEP* and the *Journal of Clinical Sleep Medicine*, present the latest in basic,

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## Expand Your Horizons With SRS Membership Cont'd

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applied, and clinical research, as well as meeting proceedings and materials relevant to the practice of sleep medicine. The *SRS Bulletin*, provides members with articles and timely news relevant for our organization.

- **APSS Annual Meeting** - Members enjoy a reduced registration fee for the APSS Annual Meeting. This meeting, a collaborative effort of the Sleep Research Society, the American Academy of Sleep Medicine, and other associated organizations provides a forum for professionals to share information about their clinical, research and educational interests. The preliminary program of our next annual meeting in June, 2005 in Denver, Colorado is available on-line at [www.apss.org](http://www.apss.org).
- **Trainee Programs** - The SRS sponsors trainee

programs to encourage the development of young investigators in the field. In addition, student members are eligible to receive funding to attend the APSS Annual Meeting, as well as special access to member initiated training programs.

- **Web Site** - [www.sleepresearchsociety.org](http://www.sleepresearchsociety.org) is the Society's comprehensive Web site that provides all members access to special sections, classic research papers, educational materials, and current news.
- **Membership Directory** - A printed and electronic version of continually updated membership directory provides a vital networking tool, with names, addresses, phone and fax numbers, and e-mail addresses of all SRS members.

- **World Federation of Sleep Research Societies** - All members receive automatic membership in the World Federation of Sleep Research Societies.
- **Products and Publications** - Members receive discounts on the purchase of any of the more than 60 SRS and AASM products. **A \$40 savings on the new ICSD.**

To find out more about the benefits of SRS membership visit our web site [www.sleepresearchsociety.org](http://www.sleepresearchsociety.org), or contact Brooke Fairchild, Membership Coordinator, [bfairchild@aasmnet.org](mailto:bfairchild@aasmnet.org). This year, to promote and expand scientific cooperation, **the SRS is cosponsoring the RNS dinner at the Annual Meeting of the American Thoracic Society in San Diego**. We look forward to building on this initiative and enhancing our relationship with RNS assembly members.

## Patients to Speak At Fourteen Designated ATS International Conference Symposia

The Public Advisory Roundtable (PAR) has selected patients to provide a patient perspective at fourteen of the 2005 ATS International Conference Symposia. This concept has worked exceptionally well within the format of the PAR Symposia for the last three years and at nine ATS symposia at the 2004 International Conference in Orlando.

This is the second year that patient speakers will participate within the Assemblies' Symposia. The patients will make a five-minute presentation at the symposia to offer insight into their personal journeys; to address their diagnosis, treatment, and how the disease has dramatically altered their lifestyles, family, career and relationships. They will share their insight into what

patients would like physicians and researchers to know about physician/patient relationships; and the importance and relevance of the work in which investigators and researchers are engaged.

The symposia at which a patient-perspective will be presented are listed below:



## Patients to Speak At Fourteen Designated ATS International Conference Symposia

ASSEMBLY	SESSION	SESSION TITLE	DATE/TIME
AII	B7	Severe Asthma: Advancing Our Understanding of a Distinct Phenotype	Monday, May 23
BS	A6	What are the Causes of Health Disparities in Lung Diseases and What Can We do About Them?	Sunday, May 22
CP	C3	Sarcoidosis: How to Manage the Difficult Clinical Problems	Tuesday, May 24
CP	B72	The Scleroderma Lung Study: Lessons for Interstitial Lung Disease	Monday, May 23
CC	D74	Theory and Practice: Managing the Brain in Mechanically Ventilated Patients	Wednesday, May 25
EOH	A77	Sex and Gender Issues in Obstructive Lung Disease	Sunday, May 22
MTPI	D7	Airway Infections: Pathogenesis and Consequences	Wednesday, May 25
NRSG	B5	Tobacco Addiction and Treatment: Current and Emerging Findings from Bench to Behavior	Monday, May 23
NRSG	D77	Innovative Physiological Interventions in Pulmonary Rehabilitation	Wednesday, May 25
PED	D5	Respiratory Care of the Patient with Neuromuscular Weakness	Wednesday, May 25
PED	B9	New Developments and Advances in Pediatric Interstitial Lung Disease	Monday, May 23
PC	C10	Pro-Con Debates in Pulmonary Arterial Hypertension	Tuesday, May 24
RCMB	C8	Targeting Lung Cancer: Novel Molecular Targets and Treatment Strategies	Tuesday, May 24
RNS	A8	Moving Toward Best Practice: Where Does the Diagnosis and Treatment Of Sleep Apnea Fit in the Care of Heart	Sunday, May 22 8:15 am-11:00 am

## PAR Symposium

The Public Advisory Roundtable (PAR) is pleased to announce the fourth PAR Symposium to be presented at the ATS International Conference in San Diego on Wednesday, May 25, 2005, from 8:15-11:00 a.m. Dr. Homer Boushey and Dr. John D. Newell will Chair the PAR Symposium "Imaging the Lungs in Research and Care". The PAR is excited to present the following speakers:

- *Charles White, MD - "Keynote Address -New Technologies applied to an Understanding of Lung Disease"*
- *Michael Gotway, MD - "Radiologic-Anatomic Correlations"*
- *John Newell, MD - "Quantitative CT scanning in longitudinal studies of emphysema"*
- *Jim Hogg, MD - "The nature of small-airway ob-*
- struction in chronic obstructive pulmonary disease"*
- *Jonathan Goldin, MD, PhD - "Radiologic Assessment of interstitial pulmonary fibrosis"*
- *David L. Levin MD, PhD - "MR imaging of Pulmonary Blood Flow"*
- *Eric Hoffman, PhD - "Regional Characterization of Lung Structure and Function via Micro*

## PAR Symposium

*and Multidetector CT:  
New Views for New In-  
sights"*

- *Asgar Dirksen, MD, PhD  
– "Repeatability of lung  
density measurements  
with low-dose CT"*

Three patients will share their experience by describing their personal journey with their spe-

cific illness. Our goal is to increase the awareness of physicians and researchers to the major life challenges and alterations faced by patients with a serious and sometimes little known disorder.

PAR's Annual Poster Session will be open from Sunday, May 22 until Wednesday, May 25, 2005

at the Center Terrace of the San Diego Convention Center. Public Interest Organizations (PIO's) concerned with lung and sleep disorders will present information about their organizations. A representative from each organization will be present at the poster session to provide additional information.

## RESPIRATORY NEUROBIOLOGY AND SLEEP MEMBERSHIP MEETING

MONDAY MAY 23, 2005  
4:30PM-6:30PM

MANCHESTER GRAND HYATT  
RANDLE BALLROOM B  
(LEVEL 4)

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## REGISTER FOR THE RNS DINNER!

FOR INFORMATION/REGISTRATION FOR THE RNS DINNER IN  
SAN DIEGO, PLEASE VISIT THE RNS WEBITE AT:  
[HTTP://WWW.THORACIC.ORG/ASSEMBLIES/RNS/RNSNEWS.ASP](http://www.thoracic.org/assemblies/rns/rnsnews.asp)