Allergy, Immunology and Inflammation Assembly Newsletter

Edited by David S. Wilkes, MD, Assembly Chair



Spring 2007

American Thoracic Society

Message From The AII Assembly Chair David S. Wilkes, MD

Greetings:

I hope everyone has had a great start to the new year. I am writing to update the Assembly on our recent. It has been a busy year with many activities and accomplishments. We are looking forward to an exciting meeting at the International Conference in San Francisco.

Assembly Projects

We are pleased to report that 3 assembly projects are in progress:

- Task Force to Provide recommendations on: "Asthma Control and Exacerbations: Standardizing Endpoints for Clinical Asthma Trials", chaired by D. Robin Taylor, MD, Helen Reddel, MD, PhD and Sally Wenzel, MD
- Consensus Definition of Acute Lung Injury in Animals, chaired by G. Matute-Bello, MD; Gregory Downey, MD
- Virtual Asthma Center (previously called Web-portal Development for an Evidenced based Asthma Practice), chaired by John Mastronarde, MD

Congratulations for developing these exciting projects. All of these will have great impact on the Assembly's members and will have wide appeal throughout ATS.

Travel Awards

The Assembly was fortunate to receive over \$10,000 to support travel awards for the International Conference in San Diego. We are grateful to the Foundation for Sarcoidosis Research, AstraZeneca, Sepracor and Viasys to provide this funding. Serpil Erzurum and other members of the program committee have selected the awardees based on the abstracts submitted to the international meeting. We anticipate being able to provide 13 awards.

We greatly appreciate input from our Assembly membership. Please contact us if you have any questions, and we are always looking for new participants in the committee membership.

See you all in San Francisco.

David S. Wilkes, MD Chair, AII Assembly

Officers of the AII Assembly

Assembly Chairman 2005-2007: David S. Wilkes dwilkes@iupui..edu

Assembly Chair-elect 2007-2009: Patricia W. Finn pwfinn@ucsd.edu

Planning Chairman 2006-2007: John G. Mastronarde john.mastronarde@osumc.edu

Program Chairman 2006-2007: Serpil C. Erzurum erzurus@ccf.org

Program Chair-elect 2006-2007: Stokes Peebles Stokes.peebles@vanderbilt.edu

Nominating Chairman 2006-2007: Margaret Gyetko mgyetko@umich.edu

Web Director 2006-2007: Bethany B. Moore bmoore@umich.edu

Inside this issue:

inside this issue:	
From The Program Com- mittee	2
Membership Committee/ Assembly Dinner	2
ERS/ATS Task Force on Asthma Control and Ex- acerbations	3
Assembly/Committee Project Application for Funding in FY2008	3-4
ATS 2007-San Francisco Session s	4-7
PAR	8-9
Membership Meeting	10
A Message from our	11

Journal Editors

From the Program Committee Serpil Erzurum, Chair

In total, the Assembly on AII received 1028 abstracts for the ATS 2007 International Conference. AII is sponsoring more than 75 sessions focusing on topics ranging from clinical diagnostic and therapeutic approaches to mechanistic insights into the genesis of lung inflammation and diseases. Programming includes scientific symposia, mini-symposia, poster discussions, thematic poster sessions, postgraduate courses, evening postgraduate seminars, meet-the-

professor seminars and sunrise seminars. Highlights include scientific mini-symposia on the regulation of lung immunity and microbial pathogens, fibrosis and repair responses of the lung, virus mechanisms of airway inflammation, genetics of asthma and COPD, and novel non-invasive biomarkers of inflammation. There is an outstanding line-up of postgraduate courses that will be of interest to our diverse membership, including courses on therapeutic targets of

inflammation and translational tools for lung research. The NHBLI-funded Specialized Centers Of Research (SCOR) in asthma will present their cumulative findings from the past 10-years of their studies, which will be of interest to clinicians and researchers alike. Other topical areas this year include poster discussions on how environmental exposures impact asthma and COPD, and the gene-environment interactions in immune responses.

Membership Committee/Assembly Dinner Julie Wilder, Chair

On behalf of the American Thoracic Society Assembly on Allergy, Immunology and Inflammation (AII), we would like to invite you to attend our fourth annual membership dinner on Monday, May 21st during the 2007 ATS International Conference in San Francisco, California.

The AII assembly membership meeting will take place first from 4:30 to 6:30 p.m. in the Continental Ballroom 4 at the Hilton San Francisco Hotel. Immediately following that meeting, a buffet-style dinner will take place in the Barcelona II (3rd floor) at the PARC 55 Hotel located at 55 Cyril Magnin Street.

The programming for the evening will consist of the presentation of the AII Trainee Travel Awards and an overview lecture by Dr. Cynthia Kenyon. She will be speaking to us on the genes and cells that regulate the lifespan of *C. elegans*. Dr. Kenyon is the Herbert Boyer Distinguished Professor of Biochemistry and Biophysics in the Department

of Neuroscience at the University of California at San Francisco. Her work centers on the regulation of aging (and isn't that something we're ALL interested in!) She and her colleagues discovered that mutations in the daf-2 gene, which encodes an insulin/IGF-1 like receptor, double the lifespan of the nematode, C. elegans. Insulin/IGF-1 endrocrine systems have also been shown to regulate the lifespan of flies and mice as well. She has also found that signals from the reproductive and mitochondrial systems also participate in the control of aging. Her current research is focused on how these pathways interact with caloric restriction (sorry to hear that one!) to influence lifespan at the molecular level. This should be a terrifically relevant talk for all of us!

Merck & Co., Inc. has generously agreed to sponsor this event, and we are pleased to be able to offer this opportunity free of charge. It is our hope that this dinner will provide an opportunity for AII

members with similar clinical and scientific interests to have a chance to meet and mingle in an informal setting. In addition, we hope that the dinner setting will provide a conducive environment for the exchange of ideas and information and for the establishment of collaborative interactions.

We would like to strongly encourage senior AII members to invite junior colleagues to join them. We hope to provide a chance for junior members to meet and network with more senior mentors. For this reason, AII members will be allowed to invite up to two guests. You must register attendance for yourself and your guest (s) at the time you make your reservations. Please RSVP before April 30, 2007.

We hope you will join us for this informative and insightful evening. Seating will be limited to the first 150 persons who reply. To register for the dinner, please send an email to aii@thoracic.org.

ERS/ATS Task Force on Asthma Control and Exacerbations: Standardizing Enpoints for Clinical Asthma Trials Helen Reddel & Robin Taylor

The work of the ERS/ATS Task
Force on Asthma Control and Exacerbations: Standardizing Endpoints for Clinical Asthma Trials is nearing completion. The 24 members have made up seven Working Groups, each reviewing a key area about the Task Force topic. These key areas are: diary data, questionnaires, physiological measures,

biomarkers, composite scores and indirect measures, with a final group dealing with exacerbations. The reports from each of the Working Groups are currently being reviewed by Primary Care and Pediatric sub-groups, and the Executive Summary of Task Force recommendations is being prepared for submission to the ATS Documents

Committee. It is expected that the Executive Summary will be published in calendar year 2007. The Task Force will be presenting its recommendations in a symposium at the Annual International Conference of the ATS in San Francisco in May.

Consensus Definition of Acute Lung Injury in Animals Project Chairs: Gustavo Matute-Bello, Gregory Downey

During 2006, we assembled a panel of 22 international experts to approach the problem of defining lung injury in animals. We have worked on identifying the main domains that comprise animal acute lung injury, and how can those domains be measured. By "domains" we understand broad descriptive categories, such as "evidence of inflammation" or "evidence of changes in alveolar-capillary permeability". By

"measurements", we understand specific ways to assess the 'domains", such as "total neutrophil counts" as a measurement of "inflammation" or "total BAL protein" as a measurement of permeability changes. Currently our panel has identified 5 possible domains and 36 possible measurements, and is in the process of ranking these domains and measurements. Our methodology has been to use a Delphi approach of

on-line questionnaires alternating with face-to-face meetings. Our work will result in Workshop summary report containing a set of recommendations that will provide a clear roadmap to both junior and established investigators regarding specific domains that are considered by the panel to be indicative of acute lung injury in animals, as well as measurements that the panels considers appropriate to assess each of the domains.

Please Consider Submitting an Assembly/Committee Project Application for Funding in FY2008

For your information, the FY2008 (January 1-December 31, 2008) project application forms for Assembly/Committee projects will be available on the ATS website (www.thoracic.org) on May 1, 2007. There will be a link to the project submission forms on the ATS homepage.

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 John Mastronarde at john.mastronarde@osumc.edu.

The timeline for the application and review process follows:

- ◆May 2007: FY2008 forms are available
- ◆ July 23, 2007: Assembly/ Committee project applications

are due to the ATS office. Late submissions will not be accepted.

◆Early-mid August 2007: 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 avail-

(Continued on page 4)

Please Consider Submitting an Assembly/Committee Project Application for Funding in FY2008

(Continued from page 3)

- able. 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 1-17, 2007: 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 appropri-
- ate ATS staff and review any proposals and to send recommendations to the applicant and to the PRS.
- ◆September 4, 2007: 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 2007: Program Review Sub-Committee (PRS) meeting
- ◆ Early November 2007: 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 FY2007 budget as new items.
- ◆December 2007: ATS Board reviews FY 2008 Budget

Please contact Monica Simeonova with any questions at tel: 212/315-8696 or email:

msimeonova@thoracic.org.

ATS 2007 – SAN FRANCISCO Sessions Sponsored by the Assembly on Allergy, Immunology and Inflammation

	Postgraduate Courses					
Friday,	May 18					
PG1	PG1 Tools Of The Trade For Translational Research			4:00 PM		
Saturda	ny, May 19	·				
PG14 Therapeutic Targets Of Airway Inflammation			AM	4:00 PM		
PG15	PG15 Advances In Pharmacogenetics			4:00 PM		
	Scientific Symposia					
Sunday	Sunday, May 20					
A87	Improving Outcomes After Human Lung Transplantation: Insights Gained Through Translational Proteomics, Genetics, And Genomics Studies	1:30 PM	4:1	5 PM		
Monda	Monday, May 21					
B8	Challenging The Current Paradigm For Treating Asthma	8:15 AM	11:0	00 AM		
Tuesday, May 22						
C85	Matrix Control Of Cell Phenotype	1:30 PM	4:15	5 PM		
C89	Sandler Asthma Research Symposium	1:30 PM	4:1	5 PM		

ATS 2007 - SAN FRANCISCO

Sessions Sponsored by the

Assembly on Allergy, Immunology and Inflammation

	Scientific Symposia					
Wedr	nesday, May 23					
D9	The Host Response In Asthma: A Look At Innate Immunity	8:15 AM	11:00 AM			
D85	985 10 SCOR Years In Asthma 1:30 PM 4		4:15 PM			
D86	Controlling Lung Infection And Inflammation: A Fat Chance?	1:30 PM	4:15 PM			
	Evening Postgraduate Seminars					
Mono	lay, May 21					
	Assessing Therapeutic Response In Asthma: Identify And Treat The Symptomatic Asthmatic	7:00 PM	9:00 PM			
Tueso	lay, May 22					
	Innovation In Asthma Treatment: From Science To Pharmacotherapy, Designing The Ideal Inhaled Corticosteroid	7:00 PM	9:00 PM			
	Meet The Professor Seminars					
Sund	ny, May 20					
MP40	Revisiting Asthma Control: How Can It Be Best Defined?	12:00 PM	1:00 PM			
Mono	lay, May 21		·			
MP50	1 How To Manage Difficult Asthma In 2007	12:00 PM	1:00 PM			
Tueso	lay, May 22					
MP60	1 New Application Of Anti-Inflammatory Action Of Macrolide	12:00 PM	1:00 PM			
	Sunrise Seminars					
Mono	lay, May 21					
SS101	Tools For The Diagnosis Of Asthma In The Infant Wheezer	7:00 AM	8:00 AM			
Tueso	lay, May 22					
SS201	Diagnosis And Management Of Churg-Strauss Syndrome	7:00 AM	8:00 AM			
SS202		7:00 AM	8:00 AM			
	Wednesday, May 23					
SS301	0	7:00 AM	8:00 AM			
	Mini-Symposia —					
Sund	ay, May 20					
A14	The Initiator Of The Allergic Response: The Dendritic Cell	8:15 AM	11:00 AM			
A91	Post-Transcriptional Regulation Of Immunity, Inflammation, And Lung Disease	1:30 PM	4:15 PM			
Mono	lay, May 21					
B19	Airway Inflammation: Virus-Induced Mechanisms	8:15 AM	11:00 AM			
B95	Lessons Learned From Animal Models Of Allergic Inflammation	1:30 PM	4:15 PM			

ATS 2007 - SAN FRANCISCO

Sessions Sponsored by the

Assembly on Allergy, Immunology and Inflammation

	Mini-Symposia			
Mond	ay, May 21			
B96	Non-Invasive Biomarkers Of Lung Disease	1:30 PM	4	:15 PM
Tuesd	ay, May 22			
C16	Eicosanoid Regulation Of Lung Inflammation	8:15 AM		11:00 AM
Wedn	esday, May 23			
D97		1:30 PM	4	:15 PM
D98		1:30 PM		
	Poster Discussions			
Sunda	y, May 20			
A28	Pharmacologic Intervention In Asthma	8:15 /	ΑM	11:00 AM
A101	Mechanisms Of Allergic Lung Inflammation	1:30 I	PM	4:15 PM
A102	Environmental Exposure: A Key Factor In The Development Of Lung Disease	1:30 I	PM	4:15 PM
Mond	ay, May 21			
B21	Mechanisms Of Lung Inflammation In Animal Models	8:15 /	4M	11:00 AM
B22	T Cells: Orchestrators Of Airway Inflammatory Responses	8:15 /	4M	11:00 AM
B23	Biomarkers For Diagnostics And Monitoring Therapeutic Response	8:15 /	4M	11:00 AM
B24	Innate And Immune Mechanisms Of Inflammation In Microbial Pathogenesis 8:15 AM			11:00 AM
Tuesd	ay, May 22			
C108	Cytokine And Chemokine Regulation Of Lung Inflammation	1:30 I	PM	4:15 PM
Wedn	esday, May 23			
D23	Gene: Environment Interactions In The Immune Response Phenotype	8:15 /	4M	11:00 AM
D24	Mediators Of Airway Inflammation And Remodeling In Clinical Asthma	8:15 /	AΜ	11:00 AM
	Thematic Posters			-:
Sunda	y, May 20			
A61	Nasal And Bronchial Epithelium In Inflammation And Host Defense	8:15	AM	4:15 PM
A62	Complement Defensins, And Other Humoral Mediators Of Innate Immunity 8:15 AM		4:15 PM	
A63	Innate Immune Responses: Molecular Aspects 8:15 AM		4:15 PM	
A64	Determinants Of Cell Fate 8:15 AM		4:15 PM	
A65	Sarcoidosis 8:15 AM		4:15 PM	
A66	Corticosteroid Therapies 8:15 AM		4:15 PM	
A67	Aerosol Therapies For Asthma	8:15	AM	4:15 PM
A68	Therapeutic Devices And Technologies In Aerosol Delivery	8:15	AM	4:15 PM
A69	Obesity And Asthma	8:15	AM	4:15 PM
A70	Immunology And Physiology Of The Nose And Sinuses	8:15	AM	4:15 PM

ATS 2007 – SAN FRANCISCO

Sessions Sponsored by the

Assembly on Allergy, Immunology and Inflammation

Thematic Posters				
Sunda	y, May 20			
A71	Resolving And Repairing Injury To The Lung	8:15 AM	4:15 PM	
A72	Pulmonary Allergic Inflammation: Animals Teaching Humans	8:15 AM	4:15 PM	
A73	Regulation Of Eosinophilic Inflammation	8:15 AM	4:15 PM	
A74	Topics In Clinical Asthma	8:15 AM	4:15 PM	
A75	Inflammation And Host Defense	8:15 AM	4:15 PM	
Mond	ay, May 21			
B61	Inflammation And Injury: Mediators And Pathways	8:15 AM	4:15 PM	
B62	Human Studies Of Immunology And Inflammation	8:15 AM	4:15 PM	
B63	Transplantation: Experimental	8:15 AM	4:15 PM	
B64	Mast Cells	8:15 AM	4:15 PM	
B65	Genetics Of Asthma And COPD	8:15 AM	4:15 PM	
B66	Animal Models Of Chronic Allergic Inflammation	8:15 AM	4:15 PM	
B67	Models Of Fibrosis	8:15 AM	4:15 PM	
B68	Macrophages And Lymphocytes	8:15 AM	4:15 PM	
B69	Infectious Mechanisms In Inflamation And Injury	8:15 AM	4:15 PM	
B70	Modulation Of Allergic Inflammation And Remodeling	8:15 AM	4:15 PM	
B71	Host Responses To Pathogens	8:15 AM	4:15 PM	
B72	Biologically Based Therapies For Asthma	8:15 AM	4:15 PM	
B73	Exercise And Asthma	8:15 AM	4:15 PM	
B74	Asthma Control And Disease Severity	8:15 AM	4:15 PM	
B75	Lessons Learned From Clinical Trials	8:15 AM	4:15 PM	
B76	Neutrophil In Inflammatory Processes	8:15 AM	4:15 PM	
B77	Pharmacologic Regulation Of Asthma	8:15 AM	4:15 PM	
Tuesd	ay, May 22			
C50	Human Studies Of Asthma	8:15 AM	4:15 PM	
C51	Noninvasive Assessment Of Airways	8:15 AM	4:15 PM	
C52	Severe Or Fatal Asthma	8:15 AM	4:15 PM	
C53	Mechanisms Of Airway Inflammation And Responsiveness	8:15 AM	4:15 PM	
C54	Bronchodilator Therapies	8:15 AM	4:15 PM	
C55	Inflammatory Mechanisms Of Lung Injury	8:15 AM	4:15 PM	
Wedn	Wednesday, May 23			
D45	Immune Modulation Of Cellular Recruitment And Function	8:15 AM	4:15 PM	
D46	New Insights Into The Old Problem Of Lung Injury	8:15 AM	4:15 PM	
D47	Dendritic Cells: Regulators Of Immune Activation	8:15 AM	4:15 PM	
D48	Modulation Of Immunologic Inflammation In Animal Models	8:15 AM	4:15 PM	

Patients to Speak At Eleven Designated ATS International Conference Symposia

The ATS Public Advisory Roundtable (ATS PAR) has selected patients to provide a patient perspective at eleven of the 2007 ATS International Conference Symposia. This concept has worked exceptionally well within the format of the PAR Symposia for the last five years and at an increasing number of sessions at the 2004, 2005 and 2006 International Conferences.

This is the fourth 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 investi-

gators and researchers are engaged.

The symposia at which a patientperspective will be presented are listed below:

ASSEMBLY	SESSION CODE	TITLE	DATE/TIME
NRSG	A7	Controversies in Pulmonary Rehabilitation	Sunday, May 20 8:15-11:00 am
PED	A85	State of the Art Update: Prevention and Management of Neonatal Chronic Lung Disease (Parent's Perspective on BPD)	Sunday, May 20 1:30-4:15 pm
MTPI	A86	New Tools and New Challenges: Interferon Gamma Release Assays in the Diagnosis of TB Infection and Disease	Sunday, May 20 8:15-11:00 am
AII	A87	Improving Outcomes after Human Lung Transplantation: Insights Gained Through Translational Proteomics, Genetics and Genomics Studies	Sunday, May 20 1:30-4:15 pm
ЕОН	A88	The Upper Airway and the Environment	Sunday, May 20 1:30-4:15 pm
RNS	A9	Vascular Homeostasis in Obstructive Sleep Apnea	Sunday, May 20 8:15-11:00 am
AII	В8	Challenging the Current Paradigm for Treating Asthma	Monday, May 21 8:15-11:00 am
PED	В9	Pathophysiology of OSAS in Children: New Questions, New Answers	Monday, May 21 8:15-11:00 am
CC	D4	Update on the Diagnosis and Treatment of Severe Sepsis	Wednesday, May 23 8:15-11:00 am
PED	D90	Current and Emerging Treatments For Cystic Fibrosis	Wednesday, May 23 1:30-4:15 pm
PC	PG9	Pulmonary Embolism Diagnosis and Treatment: State of the Art 2007	Friday, May 18 8:00-4:00 pm

PAR Symposium

The ATS Public Advisory Roundtable (PAR) is pleased to announce the sixth ATS PAR Symposium to be presented at the ATS International Conference in San Francisco on Tuesday, May 22nd from 8:15-11:00 a.m. The topic will be "Pulmonary Hypertension—Basic, Translational and Clinical" chaired by Peter D. Wagner, M.D. and Judith Simpson, RN, EdS. The program includes the following:

- Classification of Pulmonary Arterial Hypertension D. B.
 Badesch, M.D., Denver, CO
- Genetics of Pulmonary Arterial Hypertension – C. G. Elliott, MD, Salt Lake City, UT

- Pathogenesis of Pulmonary Arterial Hypertension L. Rubin, M.D., San Diego, CA
- Fueled By Hope: Living with Pulmonary Hypertension C. S.
 Tillman Dick Baltimore, MD
- Current Therapies: Prostanoids, Endothelin Receptor Antagonist and Phosphodiesterase Inhibitors
 R.J. Barst, MD, New York, NY
- Stem Cell Therapy D.J. Stewart, M.D., Toronto, Canada
- Future Therapies: Antiproliferatives and Others J.H. Newman, M.D., Nashville, TN
- Our Meghan's Fight to Breathe –
 C. Hicks, Gig Harbor, WA

The ATS PAR Annual Poster Session will be open from Sunday, May 20 until Tuesday, May 22, 2007 in the Exhibit Hall of the San Francisco Moscone 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.

ATS PUBLIC ADVISORY ROUNDTABLE'S FIRST ANNUAL

BREATHING BETTER WITH THE ATS FORUM

May 19th, 2007, 1:00 p.m. – 4:00 p.m.

PARC 55 Hotel located at 55 Cyril Magnin St., San Francisco

RSVP by: March 30th, 2007 by emailing par@thoracic.org or call

Karen Belgiovine at (212) 315-8640

If you have any patients in the San Francisco area, please encourage them to attend. They will have an opportunity to hear from and network with other patients and experts in the pulmonary community.

ALLERGY, IMMUNOLOGY AND INFLAMMATION ASSEMBLY MEMBERSHIP MEETING

MONDAY MAY 21, 2007 4:30PM—6:30PM

HILTON SAN FRANCISCO CONTINENTAL BALLROOM 4

REFRESHMENTS WILL BE PROVIDED THROUGH
A GENEROUS GRANT FROM
GILEAD SCIENCES, INC.