



RESPIRATORY CELL AND MOLECULAR BIOLOGY ASSEMBLY NEWSLETTER

We help the world breathe EDITED BY ZEA BOROK, ASSEMBLY CHAIR
PULMONARY • CRITICAL CARE • SLEEP

AMERICAN THORACIC SOCIETY

Spring 2010

Officers of the RCMB Assembly:

Assembly Chair

2008-2010: Zea Borok, MD

zborok@usc.edu

Planning Chair

2008-2010: Jesse Roman, MD

j0roma02@louisville.edu

Program Chair

2009-2010: Thomas J. Mariani, PhD

tom_mariani@urmc.rochester.edu

Program Chair-elect

2009-2010: Susan H. Guttentag, MD

guttentag@email.chop.edu

Nominating Committee Chair

2009-2011: David Ingbar, MD

ingba001@umn.edu

Web Director

2007-2010: Angela C. Wang, MD

alwang@mac.com

Message From Assembly Chair

Zea Borok, MD

By now you should have all received the Advance Program for ATS 2010 in New Orleans (www.thoracic.org/go/international-conference). Tom Mariani and Susan Guttentag together with the Program Committee have worked hard to organize an outstanding program. As was the case last year, in addition to the regularly scheduled RCMB-sponsored Symposia a number of cross-Assembly Symposia have been scheduled with an emphasis on multidisciplinary programming in order to highlight the best science. There is an increased focus on promoting this type of session at future meetings. One of the highlights of the meeting will be the Scientific Breakthroughs Session. This year the Breakthrough Session will be 'Stem Cells and Regenerative Medicine'. A new feature of the conference for this year was the submission of Late-Breaking Abstracts. A total of 200 abstracts was received of which RCMB received 13. Two were programmed into specific mini-symposia and the rest were slotted into existing sessions with a ~ 50% acceptance rate.

The three working groups developed last year under the leadership of Jesse Roman and the Planning Committee continue to interact and strengthen the impact of the Assembly. This last year, interactions among the working groups contributed to programming and also development of Assembly Projects. Additional working groups being considered are Aging, Lung Development, Alcohol-related Lung Disease and Research Training. If you are interested in becoming involved in any of these groups, please contact Patricia Sime, the incoming Chair of the Planning Committee.

Thirteen nominations have been received for the annual Carol Basbaum Award, an RCMB award created to honor the memory of the last Dr. Carol Basbaum. This is awarded to a junior faculty investigator who has submitted an outstanding abstract to RCMB, demonstrates excellence in research that supports the mission of RCMB, and demonstrates enthusiasm, passion for mentoring, leadership potential and dedication. It is



(Continued on page 2)

Message from Assembly Chair

(Continued from page 1)

very encouraging to see such a strong cadre of junior investigators nominated for this award and participating in RCMB activities.

Our annual membership meeting will take place at the International Conference from 4.30-6.30 pm at the Hilton Riverside. We will be electing officers for a number of positions including Program Chair-elect and two members for the Nominating Committee. Additional nominations will be solicited from the floor for the Nominating Committee. Recipients of Travel awards and the Basbaum Award will be honored at this meeting. Your involvement in the Assembly and suggestions for future programs is important so please try to attend.

Candidates for Office

Program Chair:

Martin Kolb, MD
Irina Petrache, MD

Nominating Committee:

Horace Delisser, MD
Michael F. Beers, MD
Eric S. White, MD

We would like to thank the American Thoracic Society Corporate Member Program, The National Emphysema Foundation Honoring Claude Lenfant, MD, ATS PAR Members, Sleep Group Solutions and Apnex Medical for providing Travel Awards. ATS Assembly Program Committees selected awardees based on the abstracts submitted to the 2010 International Conference.

Planning Committee: Jesse Roman and Patricia Sime

Assembly Projects (renewals) Funded for FY 2010

The following Assembly Project renewals were funded for this year. Due to budgetary constraints, no new projects were funded, but it is hope that this will be possible for next year. The process for submission and approval of projects is currently being revised by ATS Staff and we will keep you posted.

Anne Dixon: Workshop on the interaction between obesity and lung disease

Jesse Roman: Lung Fibrosis – a comparative biology approach

Bruce Trapnell: Standards for the diagnosis and management of patients with pulmonary alveolar proteinosis

William D. Travis: International Multidisciplinary Classification of Idiopathic Interstitial Pneumonias

Dan Weiss: Stem Cells and Cell Therapies in Lung Biology and Diseases

Submit an Assembly/Committee Project Application for funding in FY2011!

We are happy to announce that ATS will once again accept NEW Assembly/Committee Projects for FY2011. All interested applicants should begin developing their ideas for Assembly/Committee Project Applications. Applications will be available on the ATS website at www.thoracic.org beginning in May.

Please consider submitting an application for an Assembly/Committee project. If you have a suggestion for a project application and you need assistance, please contact your Assembly Planning Committee Chair Patricia Sime at patricia_sime@urmc.rochester.edu.

Please contact Miriam Rodriguez with any questions at tel: 212/315-8639 or email: mrodriguez@thoracic.org.

Web Committee: Angela Wang

An alpha version for an interactive web-site (<http://lungscience.ning.com>) has been established and is being tested out by the Working Groups (Lung Cancer, Stem Cells and Pulmonary Fibrosis) and Assembly leadership. In addition, two informal communities have been started: Nanomedicine and Developmental Biology/Physiology. The goal is to provide a forum among Assembly members to facilitate interactions, share expertise and facilitate programming/planning of sessions. It is planned for the site to be operational by June 2010. We are still working on content and layout.

Foundation Dinner

We encourage you to attend the ATS Foundation dinner on Saturday May 15, 2010 at the New Orleans Marriott Hotel. Members of RCMB leadership will be attending and similar to last year space, we will arrange to sit together and would like to try to fill as many tables as possible. Please go to : <http://foundation.thoracic.org/web/2010-research-dinner-tickets.html> to register or you can do it at the same time as you register for the conference. If you would like to sit at a designated Assembly table, please e-mail Crystal Williams at: (cwilliams@thoracic.org) to indicate this preference.

Program Committee: Thomas Mariani and Susan Guttentag

RCMB received 615 abstracts for review. In total, the Assembly on RCMB is sponsoring more than 50 sessions focusing on topics ranging from epigenetic regulation of disease to fundamentals of grant writing. The breadth of our Assembly's interests will be well-represented at ATS 2010 with something for everyone.

Programming will include scientific symposia, mini-symposia, poster discussions, thematic poster sessions, post-graduate courses, meet-the-professor seminars and sunrise seminars. The specific sessions being sponsored by our Assembly are listed below.

ATS 2010 – New Orleans Sessions Sponsored by the Assembly on Respiratory Cell and Molecular Biology

Postgraduate Courses

Friday, May 14, 2010

PG11	CONQUERING POPULATION BIOLOGY: 'OME MY GOSH!	8:00 AM - 3:15 PM
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Saturday, May 15, 2010

PG25	GRANT FUNDAMENTALS	8:00 AM - 4:00 PM
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PG26	THE TRANSLATIONAL BIOLOGY OF LUNG CANCER	8:00 AM - 4:00 PM
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Scientific Symposia

Sunday, May 16, 2010

A6	EPIGENOMICS AND DEVELOPMENT: LINKS TO AIRWAY DISEASE AND CANCER	8:15 AM - 10:45 AM
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ATS 2010 – New Orleans Sessions Sponsored by the Assembly on Respiratory Cell and Molecular Biology

Scientific Symposia

Sunday, May 16, 2010

A88	THE MISSING LINKS: CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND LUNG CANCER, NEW INSIGHTS FOR PATHOGENESIS, PREDICTION, PREVENTION AND TREATMENT	1:30 PM - 4:00 PM
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Monday, May 17, 2010

B5	CELL FATE DECISIONS IN LUNG DEVELOPMENT AND REPAIR	8:15 AM - 10:45 AM
B81	SCIENTIFIC BREAKTHROUGHS OF THE YEAR: STEM CELLS AND REGENERATIVE MEDICINE	1:30 PM - 4:00 PM

Tuesday, May 18, 2010

C8	MOLECULAR PHENOTYPES: BENCH TO BEDSIDE DIAGNOSIS	8:15 AM - 10:45 AM
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Wednesday, May 19, 2010

D88	TOP NOTCH DECISIONS IN LUNG DEVELOPMENT AND DISEASE	1:30 PM - 4:00 PM
D90	PPAR GAMMA: A NOVEL TARGET IN LUNG CELL BIOLOGY AND DISEASE	1:30 PM - 4:00 PM

Meet the Professor Seminars

Sunday, May 16, 2010

MP41 7	HERMANSKY-PUDLAK SYNDROME PULMONARY FIBROSIS: CLINICAL SPECTRUM AND PATHOGENESIS OF A HEREDITARY FORM OF FIBROTIC LUNG DISEASE	12:00 PM - 1:00 PM
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Monday, May 17, 2010

MP51 6	PROTEOGLYCAN-PATHOGEN INTERACTIONS IN BACTERIAL PNEUMONIA	12:00 PM - 1:00 PM
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Tuesday, May 18, 2010

MP61 6	PATHOBIOLOGY OF IDIOPATHIC PULMONARY FIBROSIS	12:00 PM - 1:00 PM
MP61 7	FUNCTIONAL GENOMICS: UNCOVERING DISEASE BIOMARKERS AND MECHANISMS	12:00 PM - 1:00 PM

Sunrise Seminars

Monday, May 17, 2010

SS115	DEMYSTIFYING MICROARRAY DATA ANALYSIS: AN OVERVIEW OF AVAILABLE OPTIONS	7:00 AM - 8:00 AM
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Tuesday, May 18, 2010

SS214	NEW MASS SPECTROMETRY TECHNIQUES AND APPLICATIONS IN BIOLOGICAL RESEARCH	7:00 AM - 8:00 AM
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Wednesday, May 19, 2010

SS315	BIOMARKERS IN LUNG DISEASE	7:00 AM - 8:00 AM
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Workshops

Sunday, May 16, 2010

WS2	NAVIGATING THE ATS: A PRIMER FOR JUNIOR MEMBERS	12:00 PM - 1:30 PM
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Mini Symposia

Sunday, May 16, 2010

A18	MECHANISMS OF VIRAL INFECTION AND H1N1 INFLUENZA	8:15 AM - 10:45 AM
A19	PRECLINICAL TESTING IN MOUSE MODELS OF PULMONARY FIBROSIS	8:15 AM - 10:45 AM
A97	EPIGENETIC MECHANISMS IN LUNG FIBROSIS	1:30 PM - 4:00 PM

ATS 2010 – New Orleans Sessions Sponsored by the Assembly on Respiratory Cell and Molecular Biology

Mini Symposia

Monday, May 17, 2010

B17 MOLECULAR PATHOGENESIS OF LUNG CANCER 8:15 AM - 10:45 AM

Wednesday, May 19, 2010

D96 EPITHELIAL CELL RESPONSES TO SMOKE EXPOSURE 1:30 PM - 4:00 PM

D97 RE-ENGINEERING THE LUNG: TOWARDS CELL AND GENE REPLACEMENT 1:30 PM - 4:00 PM

Poster Discussion Sessions

Sunday, May 16, 2010

A28 REGULATION OF EPITHELIAL-MESENCHYMAL TRANSITION 8:15 AM - 10:45 AM

A108 ALVEOLAR STRESS, INFLAMMATION AND IMMUNITY: SURFACTANT, COLLECTINS, AND BEYOND 1:30 PM - 4:00 PM

Monday, May 17, 2010

B28 OXIDATIVE STRESS, SIGNAL TRANSDUCTION AND MECHANISMS OF LUNG INJURY 8:15 AM - 10:45 AM

Tuesday, May 18, 2010

C27 PROTEINASES AND THEIR INHIBITORS IN INFLAMMATION AND INJURY 8:15 AM - 10:45 AM

C28 AUTOPHAGY VERSUS APOPTOSIS: TWIN SONS OF A DIFFERENT MOTHER? 8:15 AM - 10:45 AM

C107 STEM AND PROGENITOR CELLS: RETENTION, REGENERATION AND REGULATION OF INFLAMMATION 1:30 PM - 4:00 PM

Wednesday, May 19, 2010

D26 RESPIRATORY BIOLOGY OF AIRWAY MUCINS 8:15 AM - 10:45 AM

Thematic Poster Sessions

Sunday, May 16, 2010

A58 ANIMAL MODELS OF PULMONARY FIBROSIS 8:15 AM - 4:00 PM

A59 EPIGENETICS OF LUNG DEVELOPMENT AND DISEASE 8:15 AM - 4:00 PM

A60 LUNG CANCER INFLAMMATION AND MICROENVIRONMENT 8:15 AM - 4:00 PM

A61 MOLECULAR PATHOGENESIS OF LUNG CANCER 8:15 AM - 4:00 PM

Monday, May 17, 2010

B62 LUNG CANCER BIOMARKERS AND THERAPEUTIC RESPONSE 8:15 AM - 4:00 PM

B63 USING PATIENT SAMPLES TO UNDERSTAND PULMONARY FIBROSIS 8:15 AM - 4:00 PM

B64 PRO-FIBROTIC SIGNALING PATHWAYS IN FIBROBLASTS 8:15 AM - 4:00 PM

B65 MECHANISMS OF LUNG INJURY AND REPAIR 8:15 AM - 4:00 PM

B66 FIBROBLAST MATRIX, CYTOSKELETON, AND MIGRATION 8:15 AM - 4:00 PM

Tuesday, May 18, 2010

C59 STEM CELLS, PROGENITOR CELLS AND TISSUE REGENERATION 8:15 AM - 4:00 PM

C60 REGULATING CELL GROWTH AND SURVIVAL: APOPTOSIS, SURVIVAL AND SENEESCENCE 8:15 AM - 4:00 PM

C61 GENE REGULATION DURING DEVELOPMENT AND IN INJURY 8:15 AM - 4:00 PM

C62 ALVEOLAR CELL BIOLOGY IN HEALTH AND DISEASE 8:15 AM - 4:00 PM

C63 PROTEASES-ANTIPROTEASES AND LUNG DISEASE: BASIC AND CLINICAL INSIGHTS 8:15 AM - 4:00 PM

Wednesday, May 19, 2010

D62 NITRIC OXIDE/CARBON MONOXIDE 8:15 AM - 4:00 PM

**ATS 2010 – New Orleans
Sessions Sponsored by the
Assembly on Respiratory Cell and Molecular Biology**

Thematic Poster Sessions		
Wednesday, May 19, 2010		
D63	SIGNAL TRANSDUCTION: MEMBRANE RECEPTORS AND INTRACELLULAR PATHWAYS	8:15 AM - 4:00 PM
D64	CELL-CELL/CELL-MATRIX INTERACTIONS	8:15 AM - 4:00 PM
D65	FUNCTIONAL GENOMICS/PROTEOMICS OF DISEASE PATHOGENESIS	8:15 AM - 4:00 PM
D66	AIRWAY EPITHELIUM: INJURY, INFECTION AND REPAIR	8:15 AM - 4:00 PM
D67	ION TRANSPORT AND MEMBRANE CHANNELS	8:15 AM - 4:00 PM

Patients to Speak At Thirteen Designated ATS International Conference Symposia

The ATS Public Advisory Roundtable (ATS PAR) has selected patients to provide a patient perspective at thirteen symposia at the 2010 ATS International Conference Symposia. This concept has worked exceptionally well within the format of the PAR Symposium for the last seven years as well as at an increasing number of sessions at ATS International Conferences from 2004 to 2009.

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

ASSEMBLY	SESSION CODE	TITLE	DATE/TIME
AII/RCMB	A9	COPD: A Disease Of Accelerated Aging?	Sunday 5/16/10 8:15-8:30 am
AII	A12	Severe Asthma: The Last 10 Years And Moving Forward	Sunday, 5/16/10 8:15-8:20 am
AII/RCMB	A87	Mucus Plugs For 2010: Update On Mucus In Airway Homeostasis And Disease	Sunday, 5/16/10 1:40-1:45 pm
MTPI/AII/RCMB	B7	Keeping The Immunosuppressed Well: Clinical Infectious Challenges In Emerging Immunosuppressed Hosts	Monday, 5/17/10 8:15-8:20 am
RSF/RCMB/AII/CP	B9	New Frontiers In Asthma Therapy	Monday, 5/17/10 8:15-8:20 am
CP/RCMB	B83	The Influence Of Histology And Molecular Analysis On Treatment Of Non-Small Cell Lung Cancer: "Tailored Therapy"	Monday, 5/17/10 1:30-1:35 pm

Patients to Speak At Thirteen Designated ATS International Conference Symposia

ASSEMBLY	SESSION CODE	TITLE	DATE/TIME
SRN/CP	B86	Should We Treat Asymptomatic Obstructive Sleep Apnea Patients?	Monday, 5/17/10 3:30-3:35 pm
CP/PR	C2	Seven Questions Every COPD Patient Wants Answered	Tuesday, 5/18/10 8:15-8:20 am
CP/BS/PED	C10	Cystic Fibrosis: Bench, Bedside, And Beyond	Tuesday, 5/18/10 8:20-8:25 am
CP/AII	C82	Six Questions Regarding Sarcoidosis	Tuesday, 5/18/10 3:05-3:10 pm
CP/NUR/ PED	C85	How Well Do Patients Use Respiratory Inhalers, Nebulizers, And Other Devices? It's More Important Than You Might Think	Tuesday, 5/18/10 1:30-1:35 pm
PAR	D12	Cells in Lung Injury and Repair of the Lung: Scientific and Translational Importance (PAR SYMPOSIUM)	Wednesday, 5/19/10 9:55 am
CP/NUR/ RSF	D6	Pulmonary Rehabilitation In Chronic Respiratory Diseases Other Than COPD	Wednesday 8/19/10 8:30-8:35 am

ATS PAR Symposium

The ATS Public Advisory Roundtable (PAR) is pleased to announce the ninth ATS PAR Symposium to be presented at the ATS International Conference in New Orleans on **Wednesday, May 19, 2010 8:15 a.m. – 10:45 a.m.** The topic of the symposium is “**Cells in Lung Injury and Repair of the Lung: Scientific and Translational Importance**” and it will be jointly chaired by Jo Rae Wright, PhD, Michael Matthay, MD, and Teresa Barnes. The program includes the following:

- Michael A. Matthay, MD - *Cell-Based Therapy For Lung Injury*
- Bernard Lo, MD - *Ethical And Policy Issues Regarding Cell-Based Therapies: Anticipating and Addressing Potential Obstacles to Scientific and Clinical Innovation*
- Jahar Bhattacharya, MD, PhD - *Reversal of Lung Inflammation By Mesenchymal Stem Cells*
- Landon S. King, MD - *Role of Lymphocytes In Mediating Recovery From Acute Lung Injury*
- Mark R. Looney, MD - *Role of Neutrophils And Platelets In Mediating Acute Lung Injury*
- Danielle Benich - *LAM Patient Perspective*
- Duncan J. Stewart, MD - *Future Cell-Based Therapies*

ATS PAR Poster Session

The ATS PAR Annual Poster Session will be open from Sunday, May 16 – Tuesday, May 18 2010 in the Exhibit Hall of the Ernest N. Morial Convention Center Convention Centre. 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.

The American Thoracic Society Public Advisory Roundtable celebrating
2010: Year of the Lung is pleased to invite you to our fourth annual patient forum
Breathing Better with the ATS Forum

This is a forum at which patients will have the unique opportunity to network
and learn more about their disease.

SATURDAY MAY 15, 2010
FROM 1:00 P.M. TO 4:00 P.M.

Hilton New Orleans Riverside
Two Poydras Street
New Orleans, Louisiana 70130
(Grand Salon A, 1st Level)

You'll have an opportunity to hear from patients and experts in the pulmonary community and network with
them afterwards. The event will be held in conjunction with the ATS International Conference.

Hors d'oeuvres will be provided at the meeting.

This year's discussions will focus on Lung and Environmental Health issues, and panelists include:

William Martin II, MD • Michael Busk, MD, MPH • Kenneth Paris, MD, MPH
David Schwartz, MD • Leon Zoller

PLEASE RSVP BY EMAIL TO cwhite@thoracic.org
NO LATER THAN FRIDAY, APRIL 30, 2010

For further questions please contact Courtney L. White at (212) 315-8640.

ATS DOCUMENTS UPDATE

1. Reminder to all Document Developers--We have launched submission of official ATS documents through the manuscript central website that the Society uses for all journal submissions. All official ATS documents must be submitted through this website <http://mc.manuscriptcentral.com/atsdocs>

2. We are pleased to announce that ATS has hired a new methodologist, Jan Brozek, MD, PhD. Dr. Brozek is based at McMaster University in Canada, and as the Society's methodologist, will provide expert consultation to Document Developers. Our Documents Editor, Dr. Holger Schunemann and Dr. Brozek will both be attending the Conference in New Orleans this year and will be visiting with many Document Developers to answer methods-related questions.

For further information about document development, visit the document development area of the ATS Website at <http://www.thoracic.org/statements/document-development/index.php>
or contact Judy Corn at jcorn@thoracic.org

**2010 Guidelines Forum and Hands-on Workshop:
What's new in document and guideline development?**

All ATS members are invited to attend a free, hands-on guideline workshop conducted by the
ATS Documents Editor, Holger J. Schunemann, MD, PhD,
and the new ATS Methodologist, Jan Brozek, MD, PhD, to be held:

**Sunday, May 16, 2009
6:45-9:45 pm
Versailles Ballroom, Third Level
Hilton New Orleans Riverside
2 Poydras Street
New Orleans, LA 70140
Tel: (504) 561-0500 | 1-800-HILTONS**

Refreshments and a light dinner will be served.

SEARCH ANNOUNCEMENT

The American Thoracic Society has opened the search for the Editor of its peer-reviewed publication, the *Proceedings of the American Thoracic Society* (PATS), succeeding Alan R. Leff, M.D., who has been serving as Editor since the inception of the journal in 2004.

PATS publishes reviews of clinical or basic science commonly resulting from conferences or workshops organized or sponsored by the ATS and/or other organizations to provide a better understanding of diseases within respiratory, critical care medicine, and sleep. Publication is episodic.

It is anticipated that the Editor will be named in 2011 for a five-year term, but will not assume responsibility until March 2012. This timeline will allow the newly selected Editor to train with Dr. Leff for one year to ensure a smooth transition. The Search Committee is seeking candidates who are in a field relevant to lung health, critical care medicine, and/or sleep who have editorial experience.

Letters of interest, including a statement of plans for the Editorship, and curriculum vitae should be submitted by May 3, 2010 to:

Jeffrey Glassroth, M.D.
Chairman, PATS Editor Search Committee
American Thoracic Society
61 Broadway, 4th floor
New York, NY 10006-2755
212-315-6441

E-mail: j.glassroth@northwestern.edu

Please cc Diane Gern, ATS Publisher on all emails: dgern@thoracic.org

The Foundation of the American Thoracic Society

Help Us Help the World Breathe

Research • Education • Training

SAVE THE DATE

WHAT

Second Annual ATS Research Dinner

WHEN

Saturday, May 15, 2010

WHERE

Marriott New Orleans

For more information

Call (212) 315-6464

The Foundation of the ATS wishes to thank this year's Dinner Benefactor

Genentech/Novartis

ASSEMBLY ON RESPIRATORY CELL
AND MOLECULAR BIOLOGY
MEMBERSHIP MEETING

MONDAY, MAY 17TH 4:30PM-6:30PM

HILTON NEW ORLEANS RIVERSIDE HOTEL

GRAND SALON A FIRST

(STREET) LEVEL
