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PULMONARY • CRITICAL CARE • SLEEP

PULMONARY CIRCULATION ASSEMBLY NEWSLETTER

EDITED BY JAHAR BHATTACHARYA, ASSEMBLY CHAIRMAN

SPRING 2008



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Message From the Assembly Chairman

Jahar Bhattacharya, MD

Hello Everyone!
The PC Assembly has had a wonderful year so far and I am excited to report what's going on. The Grover Conference the most important of traditional PC Assembly projects and the longest running conference solely devoted to the pulmonary circulation, has progressed excellently under the able stewardship of Conference organizers, Jeremy Ward and Jason Yuan. This year the 14th Grover conference will take place on the 3rd-7th September 2008. The venue is the Lost Valley Ranch at Sedalia, in the Colorado Rocky Mountains. The focus is on recent developments in our understanding of receptors (e.g. BMPR, serotonin, PDGF and receptor tyrosine kinases), channels (e.g. TRP,

TASK, calcium release and aquaporins) and transporters (e.g. the serotonin transporter) that have been implicated in pulmonary vascular function and disease, with an emphasis on their potential as novel therapeutic targets. Confirmed contributors include leading experts in these fields. Junior scientists and training fellows are welcome, and will be able to present their own work in a poster session. Registration details will be published shortly, but for further information please contact the organizers Jeremy Ward (Jeremy.ward@kcl.ac.uk) or Jason Yuan (xijuan@ucsd.edu).

Planning Committee

Mark Gillespie, MD, Chair

The Planning Committee chaired by Mark Gillespie, has played an important role in the selection process for the Grover Conference and in establishing ATS-sponsored Assembly Projects. The Committee sponsored a new project application on "Assessment of Thromboembolic Disease During Pregnancy" by Todd Bull. Driven by initiatives from PC Assembly Leadership Committee members, Elizabeth Harrington and Konstantin Birukov, the Planning Committee took up the critical challenge of revamping scientific topic categories to which abstracts are submitted for the annual ATS meeting. The Committee entertained a number of new topic suggestions that were submitted through the Program Committee to the ATS International Conference Planning Committee for consideration. The latter have now approved the following new topic categories: *New Accepted Categories include:*

1. Right ventricular-left ventricular interdependence
 2. Vasculogenesis, angiogenesis
 3. Pulmonary Microcirculation
- New Accepted Changes
1. 17.4: Pulmonary Circulation: Hemodynamics *Rename to:* Pulmonary Circulation: Hemodynamics AND MECHANICAL FORCES
 2. 17.8: Vascular Genetics, Cell & Molecular Biology *Rename to: (Split into 2 Categories)*
 - a. Vascular Cell & Molecular Biology
 - b. Vascular Genetics & Geonomics
- Congratulations to all who participated in this process!

Please consider submitting an Assembly/Committee Project Application for funding in FY2009!

This year for the first time there will be an **Online Application Process** using an electronic grants submission process called proposalCENTRAL. All interested applicants must submit their Assembly/Committee Project Applications online through proposalCENTRAL. To avoid being rushed at deadline time, applicants are encouraged to register and complete a professional profile at proposalCENTRAL as early as possible.

There will be a link to proposalCENTRAL on the ATS homepage at www.thoracic.org along with new comprehensive instructions that have been designed to correspond with the numbered fields within the online application. Please consider submitting an online application for an Assembly/Committee project. If you have a suggestion for a project application and you need assistance, please contact your As-

sembly Planning Committee chair Troy Stevens, Ph.D., at tstevens@jaguar1.usouthal.edu.

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

Program Committee

Jason Yuan, MD, , PhD Chair & Paul Hassoun, MD, Chair-elect

The Program Committee jointly chaired by Jason Yuan and Paul Hassoun have completed an excellent program for the 2008 ATS International Conference in Toronto, Ontario, Canada on May 16-21, 2008. The PC Assembly is sponsoring one Postgraduate Courses, three Evening Postgraduate Seminars, three Sunrise Seminars, three Meet the Professor

Seminars, and more than eighteen scientific sessions (including three Scientific Symposia, five Mini-Symposia, five Poster Discussions, and five Thematic Posters) focusing on topics ranging from molecular mechanisms to clinical management of pulmonary vascular diseases and acute lung injury. Needless to say, the vast breadth of our assembly's interests will

be well-represented at ATS 2008. To see program details click www.thoracic.org/go/international-conference. At the International Conference, please remember to attend the PC Assembly membership meeting, which will be held on Monday May 19th from 4:30-6:30 at the Sheraton Centre Toronto

ATS 2008 – Toronto Sessions Sponsored by the Assembly on Pulmonary Circulation Postgraduate Course

Saturday, May 17, 2008

PG25	PAH FROM GENOTYPE TO PHENOTYPE: BEYOND TRADITIONAL THINKING	8:00 AM – 4:00 PM
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Symposia

Monday, May 19, 2008

B88	NOVEL THERAPEUTIC TARGETS FOR REVERSE REMODELING IN PULMONARY ARTERIAL HYPERTENSION: FROM BENCH TO BEDSIDE	1:30 PM – 4:15 PM
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Tuesday, May 20, 2008

C9	RIGHT VENTRICULAR-PULMONARY VASCULAR COUPLING IN PULMONARY HYPERTENSION: IMAGING, MOLECULAR BASIS AND TREATMENT	8:15 AM – 11:00 AM
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Wednesday, May 21, 2008

D10	TYROSINE KINASE INHIBITION IN PULMONARY ARTERIAL HYPERTENSION	8:15 AM – 11:00 AM
D86	ENDOTHELIAL PROGENITOR CELLS: LUNG VASCULAR REPAIR AND ANGIOGENESIS	1:30 PM – 4:15 PM

ATS 2008 – Toronto

Sessions Sponsored by the Assembly on Pulmonary Circulation

Evening Postgraduate Seminars

Sunday, May 18, 2008

E3	PAH: REVEALING THE CURRENT STANDARDS OF CARE THROUGH STATE OF THE ART REGISTRIES	7:00 PM	-	9:00 PM
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Monday, May 19, 2008

E5	AT THE FOREFRONT OF PULMONARY ARTERIAL HYPERTENSION (PAH): ADVANCES AND CONTROVERSIES	7:00 PM	-	9:00 PM
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Tuesday, May 20, 2008

E7	PAH BACK TO THE FUTURE: LESSONS LEARNED FROM THE PAST AND A PROSPECTIVE LOOK AT DIAGNOSIS AND TREATMENT FOR THE FUTURE	7:00 PM	-	9:00 PM
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Meet the Professors

Sunday, May 18, 2008

MP416	PITFALLS IN CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION	12:00 PM	-	1:00 PM
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Monday, May 19, 2008

MP515	PORTOPULMONARY HYPERTENSION: BIG TROUBLE IN TWO CIRCULATIONS	12:00 PM	-	1:00 PM
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Tuesday, May 20, 2008

MP616	HYPOXIA SENSING AND SIGNALING	12:00 PM	-	1:00 PM
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Sunrise Seminars

Monday, May 19, 2008

SS117	GENETICS IN PULMONARY HYPERTENSION	7:00 AM	-	8:00 AM
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Tuesday, May 20, 2008

SS216	WHEN IS PH NOT PAH?	7:00 AM	-	8:00 AM
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Wednesday, May 21, 2008

SS317	CONTROVERSIES IN CLINICAL PULMONARY ARTERIAL HYPERTENSION	7:00 AM	-	8:00 AM
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Mini-Symposia

Sunday, May 18, 2008

A16	PULMONARY EMBOLISM AND CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: PATHOGENESIS, DIAGNOSIS AND TREATMENT	8:15 AM	-	11:00 AM
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A95	ADVANCES IN BASIC MECHANISMS OF PULMONARY EDEMA	1:30 PM	-	4:15 PM
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Monday, May 19, 2008

B16	PATHOGENIC MECHANISMS OF PULMONARY HYPERTENSION: NEW INSIGHTS	8:15 AM	-	11:00 AM
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Tuesday, May 20, 2008

C97	PATHOGENIC AND THERAPEUTIC ROLES OF STEM CELLS IN PULMONARY VASCULAR DISEASE AND COPD	1:30 PM	-	4:15 PM
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Wednesday, May 21, 2008

D95	NEW CONCEPTS IN THE TREATMENT OF PULMONARY HYPERTENSION	1:30 PM	-	4:15 PM
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ATS 2008 – Toronto

Sessions Sponsored by the Assembly on Pulmonary Circulation

Poster Discussions

Sunday, May 18, 2008

A103	HYPOXIA-INDUCED PULMONARY VASOCONSTRICTION AND VASCULAR REMODELING	1:30 PM	-	4:15 PM
A104	DIAGNOSIS, TREATMENT, AND PROGNOSIS OF PULMONARY HYPERTENSION	1:30 PM	-	4:15 PM

Monday, May 19, 2008

B106	MEMBRANE RECEPTORS, CHANNELS AND TRANSPORTERS IN PULMONARY VASCULAR DISEASE	1:30 PM	-	4:15 PM
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Tuesday, May 20, 2008

C27	REGULATION OF PULMONARY VASCULAR CELL PROLIFERATION, MIGRATION, APOPTOSIS AND CONTRACTION	8:15 AM	-	11:00 AM
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Wednesday, May 21, 2008

D26	ENDOTHELIAL SIGNALING IN LUNG INJURY AND PULMONARY EDEMA	8:15 AM	-	11:00 AM
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Thematic Posters

Sunday, May 18, 2008

A61	LUNG VASCULAR ENDOTHELIAL FUNCTION, LUNG INJURY AND PULMONARY EDEMA	8:15 AM	-	4:15 PM
A62	PULMONARY EMBOLISM AND THROMBOEMBOLIC PULMONARY HYPERTENSION: ETIOLOGY, PROGRESSION, TREATMENT, AND PREVENTION	8:15 AM	-	4:15 PM

Monday, May 19, 2008

B59	PULMONARY HYPERTENSION ASSOCIATED WITH CHRONIC LUNG DISEASES	8:15 AM	-	4:15 PM
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Tuesday, May 20, 2008

C57	DRUG THERAPY FOR PULMONARY HYPERTENSION	8:15 AM	-	4:15 PM
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Wednesday, May 21, 2008

D45	DIAGNOSIS, OUTCOMES, AND COMPLICATIONS OF PULMONARY VASCULAR DISEASE	8:15 AM	-	4:15 PM
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PC Web

Kaushik Parthasarathi, PhD, Web Director

Novel and exciting developments have taken place in the PC Journal Club that is run by PC Web Director, Kaushik Parthasarathi and Leadership Committee member, Konstantin Birukov. The Parthasarathi-Birukov team reorganized the JC to run as an interactive and focused format using the ATS Forums. On a rotational basis, a topic editor selects a well-received publication in a field of

interest to the Pulmonary Circulation community. Both the authors of the publication and other experts in the field participate in the discussion. These monthly discussions have generated immense interest both among experienced and young researchers. The topic areas are: Pulmonary Hypertension/Vascular Remodeling (R. Zamanian, Stanford); Endothelial Permeability/Pulmonary

Edema (S. Dudek, University of Chicago); Leukocyte Adhesion/Migration (W. Altemeier, University of Washington); Thromboembolic Disease (V. F. Tapson, Duke); Vasoconstriction (S. Gharib, University of Washington); and Pulmonary Circulation: Development/Pediatric Disease (E. Nozik Grayck, UCHSC, Denver, CO). The online JC Forum is lo-

(Continued on page 5)

PC Web

Kaushik Parthasarathi, PhD, Web Director

(Continued from page 4)

cated at <http://www.thoracic.org/forums/forum/index.cfm?forumid=4>. Editors organize monthly online

Four JC releases so far discussed the most recent "hot" papers addressing novel mechanisms that control fluid clearance hydrostatic lung edema (prepared by K. Parthasarathi/K. Birukov); of Rho-GTPase regulator p190RhoGAP in protective mechanisms vascular leakage (prepared by R. Kamp/S. Dudek); statin therapies in pulmonary arterial hypertension (prepared by R. Zamanian); and chemokine and their mechanisms in the asthma models (prepared by W.). We expect upcoming JC publications by Vic-

tor Tapson in March, by Sina Gharib in April, and by Nozik Grayck in May, just before the ATS Meeting and another round of journal club discussions thereafter prepared with participation of international topic co-editors. A pleasing outcome was the consideration of the Blue Journal to publish a Pulmonary Perspective article based on one of our Journal Club discussions.

In general, our web-based activities have increased, thanks to Kaushik. Our success with the interactive Journal Club discussions has spawned interest among the other ATS Assemblies to start their own JCs. Interactions have increased with the ATS Web managers in improv-

ing features of the ATS web site, including its Forums. News and other features of interest to the Pulmonary Circulation members are frequently updated on the PC Assembly web page.

The PC Assembly's ATS Website Clinical Case was slated for February. Thanks to major effort by Paul Hassoun in preparing an exciting case report on An 18-year-old woman with severe dyspnea, hypoxia and abnormal chest findings, the case is now uploaded on the ATS website.

Patients to Speak at Fourteen Designated ATS International Conference Symposia

The ATS Public Advisory Roundtable (ATS PAR) has selected patients to provide a patient perspective at fourteen symposia at the 2008 ATS International Conference Symposia. This concept has worked exceptionally well within the format of the PAR Symposium for the last six years and at an increasing number of sessions at the 2004, 2005, 2006 and 2007 International Conferences.

This is the fifth 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; to address their 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
BS	A7	Obesity and it's Impact on Lung Health Across the Lifespan	Sunday, May 18 8:15-11:00 am
CP	A82	COPD Exacerbations: Epidemiology, Prevention and Treatment	Sunday, May 18 1:30-4:15 pm
RNS	A85	Sleep Medicine Grand Rounds	Sunday, May 18 1:30-4:15 pm
Joint CP-RCMB-RSF	A90	Lung Cancer Translational Research: Integrating Innovations for Diagnosis and Treatment	Sunday, May 18 1:30-4:15 pm
CP	B2	IPF: Issues in Management from Diagnosis to Transplant	Monday, May 19 8:15-11:00 am

Patients to Speak at Fourteen Designated ATS International Conference Symposia cont'd

ASSEMBLY	SESSION CODE	TITLE	DATE/TIME
NRSG	B9	Pulmonary Rehabilitation: Different Settings for Different Needs	Monday, May 19 8:15-11:00 am
PC	B88	Novel Therapeutic Targets for Reverse Remodeling Pulmonary Arterial Hypertension: From Bench to Bedside	Monday, May 19 1:30-4:15 pm
Joint BS-AII-CC	B89	Status Asthmaticus	Monday, May 19 1:30-4:15 pm
RNS	C10	Sleep Apnea as a Mechanism of Atherosclerosis: From Bench to Bedside	Tuesday, May 20 8:15-11:00 am
EOH	C86	Candidate Interactions for Asthma and COPD	Tuesday, May 20 1:30-4:15 pm
RNS	D6	Finding a Home for Portable Monitor Testing in Sleep Apnea	Wednesday, May 21 8:15-11:00 am
PED	D7	Personalized Medicine: The Future of Asthma Care	Wednesday, May 21 8:15-11:00 am
CP	D82	Living to Adulthood with Cystic Fibrosis: Current Concepts in Disease Management	Wednesday, May 21 1:30-4:15 pm
BS	D85	Asthma Severity vs. Asthma Control: What Should we Use in Clinical Practice? A Pro/Con Debate	Wednesday, May 21 1:30-4:15 pm

ATS PAR Symposium

The ATS Public Advisory Roundtable (PAR) is pleased to announce the seventh ATS PAR Symposium to be presented at the ATS International Conference in Toronto on Tuesday, May 20th from 8:15-11:00 a.m. The topic will be "Rebuilding the Pulmonary Patient – From Laboratory to Lifestyle" chaired by John E. Heffner, MD and Donna J. Appell, RN. The program includes the following:

- ◆ Reevaluation, Rehabilitation and Resiliency: An Alpha-1 Patient's Journey from Diagnosis and Lung Transplant to Today -Len Geiger, Jacksonville, FL
- ◆ Cellular and Molecular Strategies for Rebuilding the Lungs of the Pulmonary Patient - Dan Weiss, MD, Burlington, VT
- ◆ The Role of Inflammation as a Limiting Factor in Pulmonary Rehabilitation - Annemie Schols, MD, Maastricht, The Netherlands
- ◆ Targeting Skeletal Muscles in Pulmonary Rehabilitation" - Francois Maltais, MD, Ancienne-Lorette, QC Canada
- ◆ Strategies for Post-Hospital Rehabilitation After Critical Illness - Margaret Herridge, MD Toronto, ON Canada
- ◆ Benefits of Pulmonary Rehabilitation on the Critical Care Patient: My Top 10 List" - Dee Storey, Saginaw,
- ◆ The New Evidence Base for Rehabilitation in Chronic Respiratory Disease - Andrew Ries, MD, San Diego, CA
- ◆ Putting the Patient in Charge: the Benefits of Self-Management Education- Jean Bourbeau, MD, Montreal, QC Canada
- ◆ Disease Modification Strategies in Chronic Lung Disease: Implications for Pulmonary Rehabilitation - Bartolome Celli, MD, Wellesley, MA

The ATS PAR Annual Poster Session will be open from Sunday, May 18 until Tuesday, May 20, 2008 in the Exhibit Hall of the Metro Toronto 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.

ATS Public Advisory Roundtable's Second Annual

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. This year the panelists will focus on pulmonary rehabilitation and its benefits.

Panel Includes:

Roger S. Goldstein, MD
Richard ZuWallack, MD
Suzanne C. Lareau, RN, MS, FAAN
Len Geiger

If you have any patients in the Toronto 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.

May 17th, 2008, 1:00 p.m. – 4:00 p.m.
The Sheraton Centre Toronto Hotel located at 123 Queen Street West
Toronto, Canada

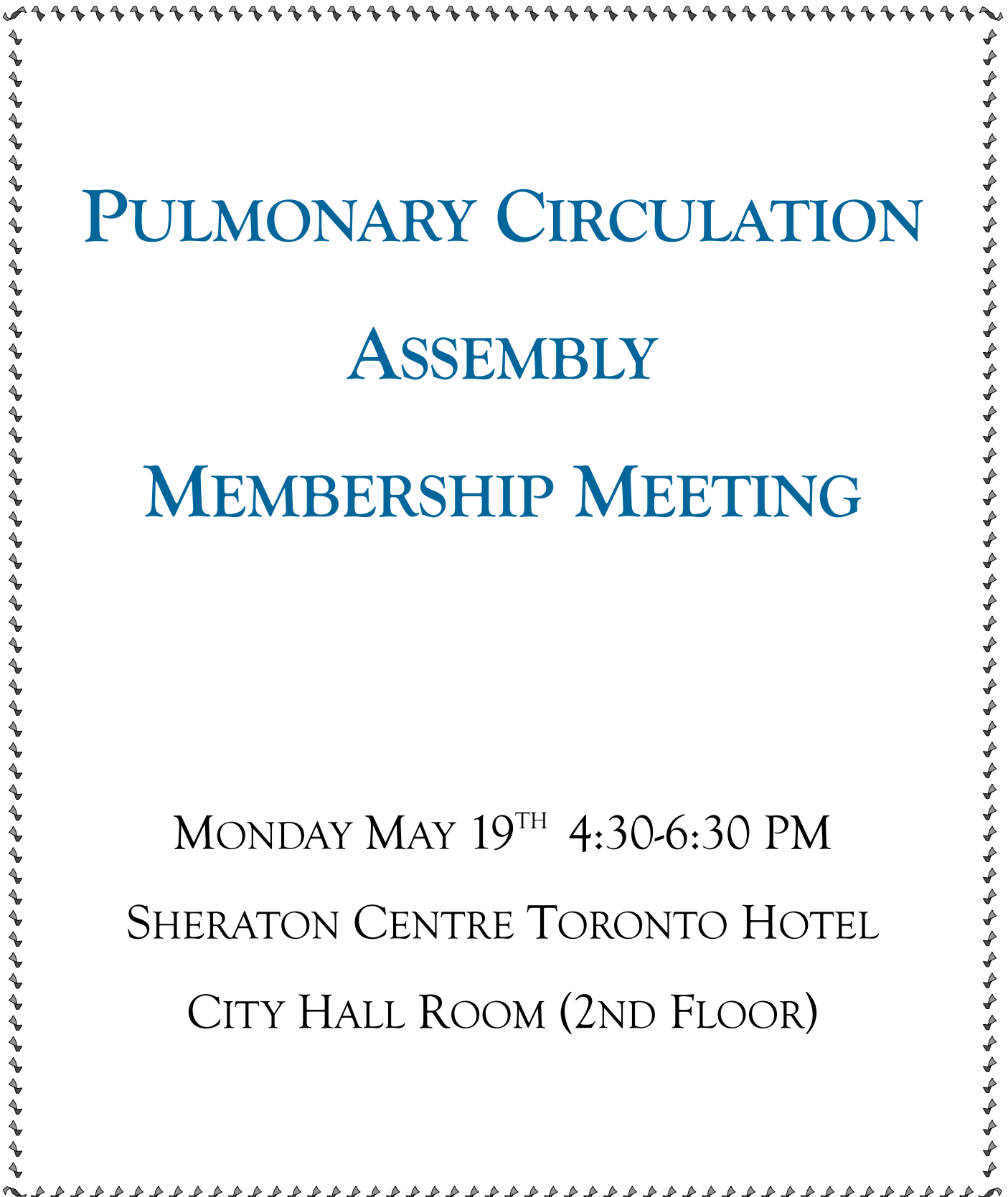
RSVP by: March 31st, 2008 by emailing par@thoracic.org or call
Karen Belgiovine at (212) 315-8640

Fellows Get First Year of ATS Membership for Free!

ATS is offering a free year of ATS membership to all first-year pulmonology, critical care, sleep fellows and post-doctoral PhD fellows! This special program is intended to welcome fellows to the ATS community. The Society would like these junior entrants to the fields of respiratory medicine to take advantage of the benefits of membership and look to ATS as their professional home for post graduate and continuing medical education, networking on a global scale, and for helping them to serve the needs of patients and the public at large.

Today's fellows will be the research and clinical professionals who will achieve the next major advancement in the science and treatment of pulmonary disease, critical illness and sleep disorders critical to advancing science and practice of the fields.

To learn more about this newly launched program, send an e-mail to fellows@thoracic.org or visit the ATS Web site at www.thoracic.org and click "Free Year for Fellows" under the Membership drop down menu. Program directors are encouraged to share this information with their fellows and other colleagues.



PULMONARY CIRCULATION
ASSEMBLY
MEMBERSHIP MEETING

MONDAY MAY 19TH 4:30-6:30 PM

SHERATON CENTRE TORONTO HOTEL

CITY HALL ROOM (2ND FLOOR)