

# **Assembly on Respiratory Structure and Function (RSF)**

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# RSF 2010: vital statistics

- 771 primary members (~2350 total)
- 607 abstracts programmed: recently 634, 644, 559
- 6 symposia
- 6 mini-symposia
- 20 thematic poster sessions
- 7 poster discussions (deadly dull or exhilarating; recipe)
- 3 postgraduate courses

# RSF: postgraduate courses

<b>PG12</b>	<b>CASE-BASED PULMONARY FUNCTION TEST INTERPRETATION</b>	<b>8:00 AM - 4:00 PM</b>
<b>PG27</b>	<b>QUANTITATIVE ASSESSMENT OF LUNG STRUCTURE: PRINCIPLES AND PRACTICAL APPLICATIONS</b>	<b>8:00 AM - 4:00 PM</b>
<b>PG28</b>	<b>CLINICAL RESPIRATORY PHYSIOLOGY AND PATHOPHYSIOLOGY MASTER CLASS</b>	<b>8:00 AM - 4:00 PM</b>

# RSF leadership

<b>Immediate Past Chair</b>	<a href="#"><u>Wayne Mitzner, PhD</u></a>	<b>Baltimore, MD</b>
<b>Assembly Chair</b>	<a href="#"><u>Jeffrey J. Fredberg, PhD</u></a>	<b>Boston, MA</b>
<b>Incoming Assembly Chair</b>	<a href="#"><u>Andrew J. Halayko, PhD</u></a>	<b>Winnipeg, Canada</b>
<b>Program Chair</b>	<a href="#"><u>Blanca Camoretti-Mercado, PhD</u></a>	<b>Chicago, IL</b>
<b>Program Chair Elect</b>	<a href="#"><u>Thomas M. Murphy, MD</u></a>	<b>Durham, NC</b>
<b>Planning Chair</b>	<a href="#"><u>Andrew J. Halayko, PhD</u></a>	<b>Winnipeg, Canada</b>

## **International participation**

Planning committee 4 / 19

Program committee 11 / 31

# **RSF: mission**

**To promote scientific excellence in the fields of respiratory physiology, biochemistry, anatomy, and molecular and cellular biology, both in health and disease.**

**To promote scholarly investigation and professional education with emphasis upon integrative approaches for acquiring new knowledge.**

# RSF: scope

- **mechanics of lungs and airways**
- **mechanics of the cell**
- **mechanics of the chest wall**
- **respiratory muscle function**
- **airway smooth muscle function**
- **airway secretions**
- **bronchial circulation**
- **heart-lung interaction**
- **exercise sciences**
- **breathing in special environments**
- **plasticity of the respiratory system**
- **pulmonary gas exchange**
- **control of ventilation**
- **innervation of the respiratory system**
- **respiratory system anatomy and pathology**

# RSF: challenges

- interdisciplinary, multifaceted

What isn't RSF?

Navigating ATS assemblies  
for programming, affiliation  
anatomy (PC)  
disease (CC)  
technique (RCMB)  
science (All, SRN)  
environment (EOH)  
age (PED)

- diverse training / background
- diverse methodologies
- young investigators

**Balancing act:  
ABSTRACT CATEGORIES  
ASSEMBLY OWNERSHIP**

Molecular,  
Cellular, Integrative  
Physiology

Physics

Bio-imaging &  
Bio-instrumentation

# RSF challenges:

- what isn't RSF?
- diverse training / background
- diverse methodologies
- young investigators

## Programming challenges /strengths

- competing meetings: EB, APS, ASCB, BMES
- overlapping ATS assemblies

## Alternate leadership

- molecular vs integrative
- PhD vs MD

# RSF challenges:

- what isn't RSF?
- diverse training / background
- diverse methodologies
- young investigators



2009 Charlie Irvin, UVM  
History of US Medical Education

2010 Wayne Mitzner, JHU  
Leonardo and the Physiology  
of Respiration

## Our lifeblood

Feature junior faculty on the podium  
session co-organizes  
symposium speakers

RSF Business Meeting as recruiting vehicle  
announced at every scientific session  
trainees encouraged to attend  
trainees warmly welcomed  
explain how ATS actually works  
newcomers encouraged to participate  
valued, heard; belonging, ownership  
foster culture of collegiality  
newcomers invited to RSF dinner

## RSF dinner: "youth-centric"

mentors expected to bring trainees  
mixing, introductions, never cliques  
always informative, often hilarious  
Trainee Travel awards  
Woolcock Award, Rodarte Award

Research Dinner

# **Assembly on Respiratory Structure and Function (RSF)**

**Questions?**

**Comments?**

**Suggestions?**