WISC 2012 Preliminary Scientific Program

Thursday, 6 December 2012

POSTGRADUATE COURSES

Current as of 22 November 2011

<table>
<thead>
<tr>
<th>09:00 – 10:30</th>
<th>POSTGRADUATE COURSES</th>
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<tbody>
<tr>
<td>TRACK 1: FOOD ALLERGY</td>
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<tr>
<td>SESSION 1</td>
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<tr>
<td>Food Allergy Over the Life Course: From Childhood to Adulthood</td>
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| TRACK 2: IMMUNOTHERAPY  |
| SESSION 1  |
| Allergy Testing In-Vivo and In-Vitro |
| Interpretation of In-Vitro |
| Interpretation of In-Vivo |
| Development of Diagnosis and Treatment Based on Testing |

| TRACK 3: ANAPHYLAXIS  |
| SESSION 1  |
| Causes of Anaphylaxis |
| Overview of Pathophysiology of Anaphylaxis |
| Conditions that Predispose Anaphylaxis |
| Anaphylaxis in Vulnerable Patients |

| TRACK 5: ATOPIC DERMATITIS  |
| SESSION 1  |
| Understanding and Managing Atopic Dermatitis |
| Overview of Pathophysiology |
| Immune Mechanisms and Treatment |
| Practical Issues in Skin Care |

| TRACK 7: DRUG ALLERGY  |
| SESSION 1  |
| Drug Allergy Evaluation and Management of Beta Lactam Allergy |
| Patterns of Cross Reactivity |
| Clinical Presentation and Diagnosis |
| Desensitization Protocols |

| TRACK 8: ASTHMA and LOWER AIRWAY DISEASE  |
| SESSION 1  |
| Asthma Exacerbations: Treatment and Prevention |
| Risk Factors, Triggers and Pathways for Asthma Exacerbations |
| Acute Management and Prevention |
| Managing Virus-Induced Wheezing in Children |
10:30 – 11:00  COFFEE BREAK

11:00 – 12:30  POSTGRADUATE COURSES

TRACK 1: FOOD ALLERGY
SESSION 2
Recent Advances in Diagnosis and Oral Food Challenge Test

TRACK 2: IMMUNOTHERAPY
SESSION 2
Practical Aspects of Immunotherapy
Nuts and Bolts of Allergy Skin Testing
How to Write an Allergen Immunotherapy Prescription
Selection and Preparation of Allergen Extracts

TRACK 3: ANAPHYLAXIS
SESSION 2
Evaluation, Management and Prevention of Anaphylaxis
Understanding and Recognizing Anaphylactic Reactions
Diagnostic Tests and Differential Diagnosis
Acute Management and Follow-Up Strategies

TRACK 5: ATOPIC DERMATITIS
SESSION 2
Managing Severe and Refractory Atopic Dermatitis
Role of Immunomodulators in Treatment
Complications that Require Intervention
Genetic Testing to Predict Barrier Function

TRACK 7: DRUG ALLERGY
SESSION 2
Practical Approaches to Aspirin and NSAID Hypersensitivity
Classification and Pathophysiology of Aspirin Hypersensitivity
Diagnostic Testing
Prevention and Management

TRACK 8: ASTHMA and LOWER AIRWAY DISEASE
SESSION 2
Improving Patient’s Asthma Control and Quality of Life
Compliance and Treatment Adherence
Improving Patient’s Quality of Life
Implementation of Guidelines and Assessing Asthma Control

12:30 – 13:30  LUNCH BREAK
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>13:30 – 15:00</td>
<td><strong>POSTGRADUATE COURSES</strong></td>
</tr>
<tr>
<td><strong>TRACK 1: FOOD ALLERGY</strong></td>
<td><strong>SESSION 3</strong>&lt;br&gt;Practical Management of Food Allergy and Oral Desensitization</td>
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<tr>
<td><strong>TRACK 2: IMMUNOTHERAPY</strong></td>
<td><strong>SESSION 3</strong>&lt;br&gt;Hands-On Demonstration of Allergen Preparation and Use&lt;br&gt;Live Demonstration of Skin Prick Testing&lt;br&gt;Live Demonstration of Intradermal&lt;br&gt;Correlation of Testing with Challenge Data&lt;br&gt;Comparison of Preparation of SCIT vs SLIT</td>
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<tr>
<td><strong>TRACK 4: URTICARIA and ANGIOEDEMA</strong></td>
<td><strong>SESSION 1</strong>&lt;br&gt;Understanding and Managing Acute and Chronic Urticaria&lt;br&gt;Classification and Pathophysiology of Urticaria and Angioedema&lt;br&gt;Diasnostic Approach and Treatment&lt;br&gt;Approach to Refractory Urticaria and Angioedema</td>
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<td><strong>TRACK 6: UPPER AIRWAY ALLERGIES</strong></td>
<td><strong>SESSION 1</strong>&lt;br&gt;Objective Assessment of Upper Airway Diseases: Hands-on Rhinolaryngoscopy and Nasal Challenge Tests&lt;br&gt;Nasal Challenge Testing&lt;br&gt;Hands-on Rhinolaryngoscopy&lt;br&gt;Nasal Endoscopy</td>
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<td><strong>TRACK 8: ASTHMA and LOWER AIRWAY DISEASE</strong></td>
<td><strong>SESSION 3</strong>&lt;br&gt;Biomarkers, Lung Function and Bronchial Provocation Tests of Asthma&lt;br&gt;Biomarkers Such as Exhaled NO and Sputum Eosinophils&lt;br&gt;Assessing Lung Function&lt;br&gt;Bronchial Provocation</td>
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<td><strong>TRACK 9: ALLERGY, ASTHMA AND SLEEP DISORDERS</strong></td>
<td><strong>SESSION 1</strong>&lt;br&gt;Sleep Workshop&lt;br&gt;Clinical Signs and Symptoms of Sleep Apnea&lt;br&gt;Evaluating a Patient with Sleep Apnea&lt;br&gt;Practical Aspects of Treatment and Outcomes</td>
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<td>15:00 – 15:30</td>
<td><strong>COFFEE BREAK</strong></td>
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15:30 – 17:00  POSTGRADUATE COURSES

TRACK 1: FOOD ALLERGY
SESSION 4
Diagnosis and Management of EGIDS

TRACK 2: IMMUNOTHERAPY
SESSION 4
Managing Adverse Reactions to Immunotherapy
Understand the Difference between Local and Systemic Reactions
Managing Adverse Reactions in Patients at Risk
Practical Issues in Managing Adverse Reactions

TRACK 4: URTICARIA and ANGIOEDEMA
SESSION 2
Diagnosis and Treatment of Hereditary Angioedemas
Definition and Mechanisms of HAE
Diagnosis and Differential Diagnosis of HAE
Acute and Prophylactic Management

TRACK 6: UPPER AIRWAY ALLERGIES
SESSION 2
Practical Aspects of Managing Upper Airway Allergies
Managing Rhinitis and Co-morbidities in Children
Managing Rhinosinusitis in Children
Sleep Apnea in Children

TRACK 9: ALLERGY, ASTHMA AND SLEEP DISORDERS
SESSION 2
GERD
Clinical Signs and Symptoms
Clinical and Laboratory Diagnosis
Treatment Options

Track 10: Inhalation Devices

Friday, 7 December 2012

08:00 – 09:30  PLENARY SESSION 1

THE ORIGINS OF ALLERGY

Early Life Influences on the Development of Childhood Allergy and Asthma
Susan Prescott (Australia)

Immune-Infection Interactions in the Early Development of Allergy
Cezmi Akdis (Switzerland)

How Much Can be Explained by Genetics and Epigenetics?
Stephen T. Holgate (United Kingdom)

9:30 – 10:00  COFFEE BREAK
10:00 – 11:45  SYMPOSIUM 1

SEVERE UPPER AIRWAY DISEASE
  Mechanisms of Upper Airway Inflammation  
  *Ruby Pawankar (Japan)*
  Upper Airway Barrier Function and Microbiome  
  *Claus Bachert (Belgium)*
  Severe Rhinosinusitis  
  *Robert Naclerio (United States)*
  Asthma in Patients with Obstructive Sleep Apnea  
  *Richard F. Lockey (United States)*

10:00 – 11:45  SYMPOSIUM 2

LIFE THREATENING ALLERGIC DISORDERS
  Mastocytosis  
  *TBA*
  Eosinophilic Disorders  
  *Lanny Rosenwasser (United States)*
  Hereditary Angioedema  
  *Konrad Bork (Germany)*
  Eosinophilic Esophagitis  
  *Amal Assa’d (United States)*  -  TBC

10:00 – 11:45  SYMPOSIUM 3

2013 EAACI-WAO WORLD ALLERGY AND ASTHMA CONGRESS – MILAN, ITALY
  *TBA*

12:00 – 13:00  KEYNOTE LUNCH LECTURE 1

A Holistic Approach to Severe and Complex Allergies  
  *Ruby Pawankar (Japan)*

13:15 – 14:45  PLENARY SESSION 2

FOOD ALLERGY
  Severe Food Allergy - Prediction and Approach to Treatment  
  *Hugh Sampson (United States)*
  WAO DRACMA and Worldwide Food Allergy Guidelines  
  *Alessandro Fiocchi (Italy)*
  Prevention of Food Allergy: Is it Feasible?  
  *Motohiro Ebisawa (Japan)*

15:15 – 17:00  SYMPOSIUM 4

FOOD ALLERGY AND GASTROINTESTINAL (GI) TRACT
  Development of the GI Immune System and Oral Tolerance  
  *Wesley Burks (United States)*
Nutrition, Allergy and the Immune Response
Susan Prescott (Australia)
GI Manifestations of Food Allergy – Facts and Controversies
Hugh Sampson (United States)
Component Analysis for Diagnosis
Motohiro Ebisawa (Japan)

15:15 – 17:00 SYMPOSIUM 5

SEVERE OCULAR ALLERGIES
Pathophysiology of Ocular Allergies
Lanny Rosenwasser (United States)
Differential Diagnosis in Severe Ocular Allergies
Sergio Bonini (Italy) - TBC
Nasal Ocular Connections in Allergic Rhinoconjunctivitis
Robert Naclerio (United States)
Treatment Options in Ocular Allergies
Constance H. Katelaris (Australia) - TBC

15:15 – 17:00 SYMPOSIUM 6

THE ENVIRONMENT AND OCCUPATIONAL ALLERGIES
Occupational Airway Diseases
Roy Gerth van Wijk (The Netherlands)
Genetic and Environmental Factors in the Etiology of Occupational Asthma
Hae-Sim Park (Korea)
Indoor and Outdoor Air Pollutants
Michael Abramson (Australia)
Biodiversity
Tari Haahtela (Finland)

17:00 – 18:00 POSTER SESSION 1

Saturday, 8 December 2012

08:00 – 09:30 PLENARY SESSION 3

SEVERE ASTHMA
Severe Asthma Phenotypes in Adults
TBA
Severe Asthma Characteristics in Pediatrics
Ghurjit Khurana Hershey (United States) - TBC
Therapeutic Interventions in Severe Asthma
J. Christian Virchow (Germany)

09:30 – 10:00 COFFEE BREAK
10:00 – 11:45  SYMPOSIUM 7

SEVERE DRUG ALLERGY
  Pathomechanisms of Severe Drug Allergy
  TBA
  Severe Bullous Drug Reactions
  Werner Pichler (Switzerland)
  Allergic Reactions to Biological and Chemotherapeutic Drugs
  Mario Sanchez-Borges (Venezuela)
  Management of Aspirin and NSAID Hypersensitivity
  Hae-Sim Park (Korea)

10:00 – 11:45  SYMPOSIUM 8

CONFOUNDERS OF ASTHMA TREATMENT
  Co-morbidities
    VCD
    TBA
    GERD
    Richard F. Lockey (United States)
    Rhinosinusitis / Nasal Polyps
    Claus Bachert (Belgium)
    ABPA
    TBA

10:00 – 11:45  SYMPOSIUM 9

CHILDHOOD ASTHMA
  Early Viral Infections: Their Role in the Development of Asthma
  Nelson Rosario (Brazil)
  RV and RSV in Asthma
  Peter Le Souëf (Australia)
  Non-Viral Triggers of Asthma Exacerbation
  Mika Mäkelä (Finland)
  Managing the Wheezing Infant
  Robert Lemanske (United States) - TBC

12:00 – 13:00  KEYNOTE LUNCH LECTURE 2

Pharmacogenetics
  Eliot Israel (United States)

13:00 – 14:30  POSTER SESSION 2

14:30 – 16:00  PLENARY SESSION 4

ANAPHYLAXIS
  Anaphylaxis and Mast Cell Activation
  Cem Akin (United States) - TBC
WAO Anaphylaxis Guidelines
Richard F. Lockey (United States)

Anaphylaxis, Asthma and Pregnancy
Sandra Gonzalez-Diaz (Mexico)

16:00 – 16:30    COFFEE BREAK

16:30 – 18:15    SYMPOSIUM 10

PRECISION TREATMENTS IN ALLERGIC DISORDERS
Update on Anti-Cytokines
Lanny Rosenwasser (United States)
Update on Anti-IgE
Stephen T. Holgate (United Kingdom)
Designer Drugs
Francesca Levi-Schaffer (Israel)
New Imaging Approaches to Asthma
Mario Castro (United States)

16:30 – 18:15    SYMPOSIUM 11

INDIAN COLLEGE OF ALLERGY, ASTHMA AND APPLIED IMMUNOLOGY (ICAAI)
TBA

16:30 – 18:15    SYMPOSIUM 12

ALLERGY DIAGNOSTICS: CURRENT AND FUTURE PERSPECTIVES
Invivo and Invitro Diagnostic Tests
Ignacio Ansotegui (Spain)
Molecular Characterization of Aeroallergens
Wayne Thomas (Australia)
Molecular Characterization of Food Allergens
Wesley Burks (United States)
Molecular Allergology
G. Walter Canonica (Italy)

16:30 – 18:15    SYMPOSIUM 13

SMALL AIRWAYS DISEASE
Particle Deposition and Pharmacotherapy
Lanny J. Rosenswasser (United States)
Pathophysiology of the Small Airways
Rohit K Katial (United States) – TBC
Respiratory Function in Small Airways and Asthma
Thomas B. Casale, (United States)
### Sunday, 9 December 2012

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<tr>
<td>08:00 – 09:30</td>
<td>PLENARY SESSION 5</td>
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<td><strong>SKIN ALLERGIES</strong></td>
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|               | Skin Barrier Functions and Atopic Dermatitis  
|               | TBA                               |
|               | Severe Atopic Dermatitis: A Challenge for the Clinician  
|               | Thomas Bieber (Germany)           |
|               | How to Deal with Refractory Urticaria  
|               | Sarbjit Saini (United States)     |
| 09:30 – 10:30 | POSTER SESSION 3                 |
|               | Outstanding Poster Awards        |
| 10:30 – 11:00 | COFFEE BREAK                     |
| 11:00 – 12:30 | HIGHLIGHT ON IMMUNOTHERAPY 1     |
|               | Mechanisms of Immunotherapy     |
|               | Cezmi Akdis (Switzerland)        |
|               | Sublingual Immunotherapy        |
|               | GW Canonica (Italy)             |
|               | Subcutaneous Immunotherapy: When and How to Start  
|               | Gianni Passalaqua (Italy)       |
| 12:45 – 13:45 | KEYNOTE LUNCH LECTURE 3         |
|               | What can Birth Cohorts tell us about the Natural History of Allergic Diseases?  
|               | Robert Lemanske (United States) - TBC |
| 14:00 – 15:00 | HIGHLIGHT ON IMMUNOTHERAPY 2     |
|               | Identification of the Eligible Patients for Immunotherapy  
|               | G. Walter Canonica (Italy)       |
|               | Prevention                       |
|               | Hugo Van Bever (Singapore)       |
| 15:00 – 15:30 | COFFEE BREAK                     |
KEY NOTE LECTURE 3

Immunotherapy: Novel Strategies and Future Directions in Immunotherapy and Immunomodulators

16:00 – 18:00  HIGHLIGHT ON IMMUNOTHERAPY 3

Immunomodulators - Anti-IgE mAb
Thomas B. Casale (United States)

Immunotherapy in the Pediatric Population
Michael Blaiss (United States)

Subcutaneous Immunotherapy and Sublingual Immunotherapy in Asthmatics
Roy Gerth van Wijk (The Netherlands)

Insect Immunotherapy
Richard F. Lockey (United States)