CIS Diagnostic School in Primary Immunodeficiencies School Draft Agenda

Dates: July 22– July 25, 2020

Location: Seaport Hotel
Boston, MA

Faculty:
Roshini Abraham, PhD, Nationwide Children’s Hospital
Rebecca Marsh, MD, Cincinnati Children’s Hospital Medical Center
Vijaya Knight, MD, PhD, Children’s Hospital Colorado
Tom Fleisher, MD, American Academy of Allergy, Asthma and Immunology
James Verbsky, MD, PhD, Medical College of Wisconsin
Janet Chou, MD, Boston Children’s Hospital
Troy Torgerson, MD, PhD, Allen Institute for Immunology
Sergio Rosenzweig, MD, PhD, NIH
Craig Platt, MD, PhD, Boston Children's Hospital, Harvard Medical School

Wednesday, July 22

11:45am – 12:45am  Registration and Lunch  
Seaport Hotel, Lighthouse

12:45pm – 12:50pm  Welcome  
Lighthouse 1  
Roshini Abraham, PhD, Nationwide Children’s Hospital

12:50pm – 1:00pm  Introduction to the Format of the School  
Rebecca Marsh, MD, Cincinnati Children’s Hospital Medical Center

1:00pm – 1:15pm  Introduction of Participants, Observers, and Core Faculty

1:15pm – 1:45pm  Introduction to Flow Cytometry and Diagnostic Applications  
Rebecca Marsh, MD, Cincinnati Children’s Hospital Medical Center

1:45pm - 2:00pm  Q&A and General Discussion on Flow Cytometry

2:00pm – 3:00pm  3 Attendee Case Presentations
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>3:00pm – 3:30pm</td>
<td>Coffee Break</td>
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<tr>
<td>3:30pm – 4:30pm</td>
<td>3 Attendee Case Presentations</td>
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<td>4:30pm – 5:00pm</td>
<td>Faculty Lecture: <strong>HLH/EBV lymphoproliferative disease</strong>&lt;br&gt;Rebecca Marsh, MD, Cincinnati Children’s Hospital Medical Center</td>
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<td>5:00pm – 5:30pm</td>
<td>Faculty Lecture: <strong>Primary Immune Dysregulatory Disorders (PIRDs)</strong>&lt;br&gt;Troy Torgerson, MD, PhD, Allen Institute for Immunology</td>
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<td>5:30pm – 6:00pm</td>
<td>Session Debrief</td>
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<td>6:30pm</td>
<td>Dinner at Hotel</td>
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**Thursday, July 23**

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<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tr>
<td>7:30am – 8:00am</td>
<td>Breakfast</td>
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<tr>
<td>8:00am – 8:45am</td>
<td>Faculty Lecture: <strong>Genetics/Genomics: Concepts, Nomenclature, Analytical Approaches</strong>&lt;br&gt;Craig Platt, MD, PhD, Boston Children’s Hospital, Harvard Medical School</td>
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<td>8:45am – 9:30am</td>
<td>Faculty Lecture: <strong>Genetics: Analysis Tools</strong>&lt;br&gt;Janet Chou, MD, Boston Children’s Hospital</td>
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<td>9:30am – 10:30am</td>
<td>General Discussion on Genomics</td>
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<td>10:30am – 11:30am</td>
<td>Invited Lecture&lt;br&gt;<strong>Diagnostic Evaluation and Use of Laboratory Testing For Antibody Deficiencies</strong>&lt;br&gt;Paul Maglione, MD, PhD, Boston University School of Medicine</td>
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<td>11:30am – 12:00pm</td>
<td>Faculty Lecture: <strong>Autoinflammatory Diseases/Type 1 Interferonopathies</strong>&lt;br&gt;Sergio Rosenzweig, MD, PhD, NIH</td>
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<td>12:00pm – 1:00pm</td>
<td>Lunch</td>
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<td>1:00pm – 3:00pm</td>
<td>6 Attendee Case Presentations</td>
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<td>3:00pm – 3:30pm</td>
<td>Faculty Lecture: <strong>SCID/CID</strong>&lt;br&gt;James Verbsky, MD, PhD, Medical College of Wisconsin</td>
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<td>3:30pm – 4:00pm</td>
<td>Coffee Break</td>
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<tr>
<td>4:00pm – 6:00pm</td>
<td>6 Attendee Case Presentations</td>
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<td>6:30pm</td>
<td>Off-Site Dinner</td>
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Friday, July 24

7:30am – 8:00am  Breakfast

8:00am – 8:30am  Faculty Lecture: DNA Repair Defects
Roshini Abraham, PhD, Nationwide Children’s Hospital

8:30am – 9:00am  Faculty Lecture: Phenocopies of PIDs
Tom Fleisher, MD, American Academy of Allergy, Asthma and Immunology

9:00am – 10:30am Diagnostic Design Activity

10:00am – 10:30am  Coffee Break

10:30am – 11:30am Invited Lecture
Updates in Transplantation and Gene Therapy for Primary Immunodeficiencies and Immune Dysregulatory Disorders
Sung-Yun Pai, MD, Boston Children's Hospital/Dana-Farber Cancer Institute

11:30am – 12:30pm Lunch

12:30pm – 2:30pm  6 Attendee Case Presentations

2:30pm – 4:00pm  Parallel Sessions (Attendees will attend one)
1. Practical Flow Cytometry: Validation and Analytical Considerations for the Clinical Diagnostic Laboratory
   Vijaya Knight, MD, PhD and Roshini Abraham, PhD
2. Practical Genomics: Data Analysis, Reporting and Interpretation of Genetic Variants
   Janet Chou, MD, Craig Platt, MD, PhD and James Verbsky, MD, PhD
3. Clinical Pearls for PIDs and PIRDs
   Rebecca Marsh, MD, Tom Fleisher, MD, Sergio Rosenzweig, MD, PhD, and Troy Torgerson, MD, PhD

4:00pm  Free Evening

Saturday, July 25

7:30am – 8:00am  Breakfast

8:00am – 10:00am  6 Attendee Case Presentations

10:00am – 10:15am  Coffee Break

10:15am – 11:30am Round-Robin Sessions
1. Developing Laboratory Projects
   Troy Torgerson, MD, PhD & James Verbsky, MD, PhD
2. How To Write Case Reports
   Rebecca Marsh, MD & Janet Chou, MD
3. CIS Committees and Activities
   Sergio Rosenzweig, MD, PhD
4. Developing Medical Education Skills
   Craig Platt, MD, PhD & Tom Fleisher, MD
5. Mentoring
   Roshini Abraham, PhD & Vijaya Knight, MD, PhD

11:30am – 12:30pm Jeopardy

12:30pm – 1:00pm Best Abstract Award, Best Collage Award, Certificates

1:00pm: Packed Lunches and Departure