Autoimmunity and the Skin

Pinnell Center for Investigative Dermatology
2019 Annual Symposium

Friday, November 1, 2019 / 8am-4:30pm
Duke University School of Medicine
Searle Conference Center
Seeley Mudd Building

Presented by:
Duke Department of Dermatology
Speakers

Luis Diaz, MD
University of North Carolina Chapel Hill

Dr. Luis Diaz is the C.E. Wheeler Jr. Distinguished Professor of Dermatology at UNC Chapel Hill. The NIH-supported research in his laboratory centers on disclosing the immunopathological mechanisms operating in pemphigus vulgaris (PV) and pemphigus foliaceus (PF). Also, his lab is investigating the etiology of Brazilian Fogo Selvagem jointly with Brazilian investigators.

John Harris, MD, PhD
University of Massachusetts

Dr. John Harris is an Associate Professor and Vice Chair of Dermatology and founding Director of the Vitiligo Clinic and Research Center at the University of Massachusetts. His lab is currently using basic, translational, and clinical research strategies to better understand autoimmune pathogenesis, in particular the mechanisms that drive autoimmunity in vitiligo. His work has garnered national and international attention, leading to interest in developing targeted immunotherapies for vitiligo.

Victoria Werth, MD
University of Pennsylvania

Dr. Victoria Werth is a Professor of Medicine and Dermatology at the University of Pennsylvania. She is a leader in the study of cutaneous manifestations of rheumatologic disease with a special interest in dermatomyositis and cutaneous lupus. She has developed numerous instruments for the assessment of cutaneous autoimmune diseases which are widely utilized in clinical trials. In addition, she is a leader in the design and implementation of clinical trials for new therapeutic interventions in the treatment of autoimmune skin diseases.

Duke University School of Medicine:

David Pisetsky, MD, PhD
Professor of Medicine, Rheumatology, and Immunology

Megan Clowse, MD
Associate Professor of Medicine, Rheumatology and Immunology

Anne Marano, MD
Assistant Professor of Dermatology

Simon Gregory, PhD
Professor of Molecular Genetics and Microbiology and Neurology

Garnett Kelsoe, DSc
James B Duke Professor of Immunology
## Agenda

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>7:30am</td>
<td>Continental Breakfast</td>
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<tr>
<td>8am</td>
<td><strong>Welcome</strong>&lt;br&gt;Russell Hall, MD&lt;br&gt;J Lamar Callaway Professor and Chair of Dermatology</td>
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<td>8:15</td>
<td><strong>The Role of Extracellular Vesicles in the Pathogenesis of SLE</strong>&lt;br&gt;David Pisetsky, MD, PhD&lt;br&gt;Duke University</td>
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<td>9:00</td>
<td>Special Guest Presentation&lt;br&gt;Dermatomyositis: New insights into disease mechanisms and Therapeutic approaches&lt;br&gt;Victoria Werth, MD&lt;br&gt;University of Pennsylvania</td>
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<td>10:00</td>
<td>Break</td>
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<td>10:15</td>
<td><strong>HOP-STEP: Healthy Outcomes in Pregnancy in women with Systemic Lupus Through Educating Providers</strong>&lt;br&gt;Megan Clowse, MD&lt;br&gt;Duke University</td>
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<td>11:00</td>
<td><strong>Targeting Plasmacytoid Dendritic Cells: A Promising Therapeutic Pathway in Systemic and Cutaneous Lupus Erythematosus</strong>&lt;br&gt;Anne Marano, MD&lt;br&gt;Duke University</td>
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<td>11:45</td>
<td>Lunch</td>
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<td>12:45</td>
<td>Special Guest Presentation&lt;br&gt;Translational research in vitiligo: Launching a new era of targeted treatments&lt;br&gt;John Harris, MD, PhD&lt;br&gt;University of Massachusetts</td>
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<td>1:45</td>
<td><strong>Molecular and Single Cell Profiling of Thymic Involution During Immunological Challenge</strong>&lt;br&gt;Simon Gregory, PhD&lt;br&gt;Duke University</td>
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<td>2:30</td>
<td>Break</td>
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<td>2:45</td>
<td>Special Guest Presentation&lt;br&gt;Clues on the Etiology of Endemic Pemphigus Foliaceous (Fogo Selvagem)&lt;br&gt;Luis Diaz, MD&lt;br&gt;University of North Carolina Chapel Hill</td>
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<td>3:45</td>
<td><strong>Establishing B-Cell Tolerance: The Role of AID in Mice and Humans</strong>&lt;br&gt;Garnett Kelsoe, DSc&lt;br&gt;Duke University</td>
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<td>4:30</td>
<td>Closing Remarks</td>
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Opportunities for Q&A will be provided at the conclusion of each presentation.
Overview
The Pinnell Center for Investigative Dermatology will hold its 7th annual symposium. This year, the focus is on autoimmunity and the skin. The symposium speakers are distinguished basic scientist, translational and clinical researchers, and clinicians all with a focus on autoimmunity as it applies to skin and skin diseases. The purpose of the symposium is to provide attendees with state of the art updates on basic mechanisms of autoimmunity, advances in techniques for the study of autoimmune disease and the pathogenesis and treatment of autoimmune skin disease. The symposium will provide attendees with an integrated view from bench to bedside of the latest advances in basic mechanisms of autoimmunity, the pathogenesis of autoimmune skin diseases, and the latest advances in clinical research focused on autoimmune skin diseases.

Target Audience
Physicians (including residents/fellows), medical students, researchers, and graduate students interested in autoimmunity and skin disease.

Course Goals and Objectives
The intent of this conference is to educate local health providers, community members, researchers and students about the concept of autoimmunity and skin disease. This conference seeks to explore the translational research and knowledge of autoimmunity and how it relates to skin disease.

At the conclusion of this activity, participants should be better able to:
1. Increase understanding of autoimmunity in skin disease.
2. Discuss latest findings in skin autoimmunity.
3. Increase knowledge of translational treatment of autoimmune skin disorders.

Faculty Listing
Course Director: Russell Hall, MD, Duke University
Planning Committee: Chuan-Yuan Li, PhD, Duke University; Amanda MacLeod, MD, Duke University; Terry Lechler, PhD, Duke University; Jennifer Zhang, PhD, Duke University

Accreditation
In support of improving patient care, Duke University Health System Department of Clinical Education and Professional Development is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the health care team.

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