46th Miami Pediatric Nephrology Seminar
MARCH 8 - 10, 2019
Royal Palm South Beach Miami
Miami Beach, Florida 33139

For More Information call 305-585-6726
VISIT US AT www.pediatrics.med.miami.edu/nephrology/seminar
Thursday, March 7, 2019
6:00-8:00 p.m.  Registration

Friday, March 8, 2019
7:00-8:00 a.m.  Registration. Continental Breakfast
8:00-8:10 a.m.  Welcome and Opening Remarks:
Gaston E. Zilleruelo, M.D. Program Director
Judy Schaechter, M.D., MBA, Professor and Chair Department of Pediatrics

SESSION 1:
GENETICS/DEVELOPMENTAL AND RARE DISORDERS
Moderators: Friedhelm Hildebrandt, M.D., Craig B. Langman, M.D.
8:10-8:30 a.m.  What's new in ARPKD/ADPKD: Genetic Advances
Friedhelm Hildebrandt, M.D.
8:30-8:50 a.m.  How to Assess Nephron Endowment in Infants
Carolyn L. Abitbol, M.D.
8:50-9:10 a.m.  Oxalosis: A Preventive Approach
Craig B. Langman, M.D.
9:10-9:30 a.m.  Congenital Nephrotic Syndrome: Diagnosis and Management
Marissa DeFreitas, M.D.
9:30-9:50 a.m.  New Genetic Developments in Steroid Sensitive Nephrotic Syndrome
Matthew G. Sampson, M.D.
10:10-10:30 a.m.  Panel Discussion

SESSION 2:
NEW FRONTIERS IN PEDIATRIC NEPHROLOGY
Moderators: Guido Filler, M.D., Ph.D., Patrick D. Brophy, M.D.
10:30-10:50 a.m.  Clinical Nephro-Pharmacology in Children with Kidney Diseases: What should we know?
Guido Filler, M.D., Ph.D.
10:50-11:10 a.m.  Podocytopathies: What is new on the horizon?
Laura Barisoni, M.D.
11:10-11:30 a.m.  RAAS and Progressive CKD
Leon Ferder, M.D., Ph.D.
11:30-11:50 a.m.  Neonatal Nephrology: New Developments
Patrick D. Brophy, M.D.
11:50 -12:10 p.m.  Role of Klotho in Kidney Diseases: An Overview
Michael Freundlich, M.D.
12:10-12:30 p.m.  Panel Discussion

LUNCH SESSION:
12:30-1:30 p.m.  Atypical HUS: Early diagnosis and management
Craig B. Langman, M.D.

SESSION 3:
PEDIATRIC NEPHROLOGY FOR THE PRACTITIONER
Moderators: William E. Smoyer, M.D., Carolyn L. Abitbol, M.D.
1:30-1:50 p.m.  How to best assess GFR in children?
Susan L. Furth, M.D., Ph.D.
1:50-2:10 p.m.  Common Electrolyte Abnormalities in Hospitalized Children: Back to Basics
Chryso Katsoufis, M.D.
2:10-2:30 p.m.  Proteinuria Assessment: Tubular vs Glomerular
Carolyn L. Abitbol, M.D.
2:30-2:50 p.m.  Contemporary Imaging Techniques of the Urinary Tract
Juan C. Infante, M.D.

SESSION 4:
CLINICO-PATHOLOGIC CORRELATIONS
Moderators: David B. Thomas, M.D., Wacharee Seeherunvong, M.D.
4:00-5:30 p.m.  Case Discussions
5:30-6:00 p.m.  Special Presentation: The Dark Side of Dialysis
Christopher McIntyre, M.D., Ph.D.
6:00-7:00 p.m.  WELCOME RECEPTION

Saturday, March 9, 2019
7:30-8:00 a.m.  Registration. Continental Breakfast

SESSION 5:
RECENT ADVANCES IN GLOMERULAR DISORDERS AND CKD
Moderators: Julie R. Ingelfinger, M.D., Alessia Fornoni, M.D., Ph.D.
8:00-8:20 a.m.  Biomarkers in Pediatric Glomerulonephritis and Nephrotic Syndrome
William E. Smoyer, M.D.
8:20-8:40 a.m.  New Therapies for Proteinuric Kidney Disorders
Frederick J. Kaskel, M.D., Ph.D.
8:40-9:00 a.m.  Management of Resistant Nephrotic Syndrome in Children
Julie R. Ingelfinger, M.D.
9:00-9:20 a.m.  Role of Free Radicals and other Mechanisms of Progressive CKD
Julie R. Ingelfinger, M.D.
9:20-9:40 a.m.  Can we predict progression of CKD in children?
Susan L. Furth, M.D., Ph.D.
9:40-10:00 a.m.  Panel Discussion
10:00-10:15 a.m.  Break & Visit Exhibits
10:15-10:30 a.m.  The Jose Strauss Visiting Professor Award

SESSION 6:
NEW DEVELOPMENTS IN PEDIATRIC HYPERTENSION
Moderators: Joseph T. Flynn, M.D., MS, Susan L. Furth, M.D., Ph.D.
10:30-10:50 a.m.  ABPM in Specific Patient Populations: Indications and Analysis
Mark M. Mitsnefes, M.D., MS.
10:50-11:10 a.m.  Role of Pulse Wave Velocity for the Assessment of Vascular Stiffness
Susan L. Furth, M.D., Ph.D.
11:10-11:30 a.m.  What is the Impact of the New HTN Guidelines?
Joseph T. Flynn, M.D., MS.
11:30-11:50 a.m.  Refractory Malignant HTN: Therapeutic Options
Wacharee Seeherunvong, M.D.
11:50-12:10 p.m.  New Drugs for the Management of HTN
Guido Filler, M.D., Ph.D.
12:10-12:30 p.m.  Panel Discussion

LUNCH SESSION:
12:30-1:30 p.m.  Meet the Professors
SESSION 7:
BONE DISEASE, FGF23 AND THE KIDNEY
Moderators: Uri S. Alon, M.D., Michael Freundlich, M.D.
1:30-1:50 p.m. FGF23, Sodium Balance and Cardiac Remodeling
Michael Freundlich, M.D.
1:50-2:10 p.m. FGF23 and Klotho in the Bone of CKD
Katherine Wesseling-Perry, M.D.
2:10-2:30 p.m. Update in Hypophosphatemic Rickets
Uri S. Alon, M.D.
2:30-2:50 p.m. Use of Cinacalcet in Refractory Hyperparathyroidism
Carolyn L. Abitbol, M.D.
2:50-3:10 p.m. Panel Discussion
3:10-3:30 p.m. Break & Visit Exhibits

SESSION 8
WORKSHOP ON GROWTH AND NUTRITION IN CKD
Moderators: John D. Mahan, M.D., Carolyn L. Abitbol, M.D.
3:30-3:50 p.m. Growth in Infants and Young Children with CKD: Are we making progress?
John D. Mahan, M.D.
3:50-4:10 p.m. Role of Obesity and CKD
Melvin Bonilla-Felix, M.D.
4:10-4:30 p.m. Ideal Caloric/Protein Intake in CKD
John D. Mahan, M.D.
4:30-4:50 p.m. Role of Serum Phosphorus Control in Dialysis
Katherine Wesseling-Perry, M.D.
4:50-5:00 p.m. Break & Visit Exhibits
5:00-6:00 p.m. Case Studies and Discussion
6:00-6:30 p.m. Growth and Nutrition Medical Knowledge Competency Assessment

Sunday, March 10, 2019
7:00-8:00 a.m. Registration. Continental Breakfast

SESSION 9:
RESEARCH AND TRAINING INITIATIVES
Moderators: John D. Mahan, M.D., F. Bruder Stapleton, M.D.
8:00-8:20 a.m. Coaching and Mentoring: Importance in Training Programs
John D. Mahan, M.D.
8:20-8:40 a.m. How to Attract New Applicants to Pediatric Nephrology?
F. Bruder Stapleton, M.D.
8:40-9:00 a.m. Needs Assessment for Pediatric Nephrology Work Force in USA
John D. Mahan, M.D.

SESSION 10:
TRANSPLANT CHALLENGES
Moderators: Vikas Dharnidharka, M.D., MPH, Jayanthi Chandar, M.D.
9:00-9:20 a.m. Induction Therapy in Pediatric Kidney Transplantation
Jayanthi Chandar, M.D.
9:20-9:40 a.m. Balancing the Act: Minimizing Post-Transplant Viral Infections and Acute Rejection in Children
Vikas Dharnidharka, M.D., MPH.
9:40-10:00 a.m. Pharmacokinetics of Maintenance Immunosuppressive Drugs after Transplantation
Guido Filler, M.D., Ph.D.
10:00-10:20 a.m. Preparing pediatric nephrology patients to be young adults
F. Bruder Stapleton, M.D.
10:20-10:40 a.m. Pediatric En bloc Kidney Transplant: The Miami Experience
George Burke III, M.D.
10:40-11:00 a.m. Panel Discussion
11:00-11:10 a.m. Break & Visit Exhibits

SESSION 11:
HEROES IN PEDIATRIC NEPHROLOGY
Moderators: Gaston E. Zilleruelo, M.D., Carolyn L. Abitbol, M.D.
11:10-11:30 a.m. Disaster Management: Lessons Learned from Hurricane Maria
Melvin Bonilla-Felix, M.D.
11:30-12:00 a.m. Awards to Patients and Faculty
12:00 Noon ADJOURN

SESSION 12:
WORKSHOP ON PEDIATRIC CRITICAL CARE NEPHROLOGY
Conducted at Holtz Children’s Hospital
SIXTH ANNUAL PEDIATRIC CRITICAL CARE NEPHROLOGY WORKSHOP MARCH 10, 2019 | 1:00 - 5:00 p.m. | Holtz Children’s Hospital/Jackson Memorial Health System

PROGRAM:
1:00-1:30 p.m. Arrive and Lunch
Introduction & Program Management
1:30-2:30 p.m. Challenges & Strategies
2:30-4:30 p.m. Workshop Stations
4:30-5:00 p.m. Break/Snacks
Certificates and Farewell

Workshop Program:
Introduction and Workshop Organization: 10 minutes
Carolyn L. Abitbol, M.D.
Developing a Program in Pediatric Critical Care: 20 minutes
Shereese Bennett, R.N., BSN
Nurse Manager

CHALLENGES & STRATEGIES: 30 minutes each
• Continuous Renal Replacement Therapies in Pediatric Critical Care
  David Askenazi, M.D., MSPH
• Adapted Vascular Access for Acute Dialysis in Small Patients
  Michael Nares, M.D.

WORKSHOP STATIONS: 30 minutes each
• The Prisma Machine: Versatility
  Kelli Walker, ARNP, MSN
• CRRT: Blood Prime; Tandem ECMO & Transfers
  Wacharee Seeherunvong, M.D.
• Therapeutic Plasma Exchange: Indications and applications
  Marissa DeFreitas, M.D.
• The Aquadex: Aquapheresis, SCUF and Infant CRRT
  Chryso Katsoufis, M.D.

Final Assessments & Certificates
Carolyn L. Abitbol, M.D and Carlos Cuervo, M.D.
GUEST FACULTY

Uri S. Alon, M.D.
Professor of Pediatrics and Director of Research and Education, Division of Pediatric Nephrology, Children’s Mercy Hospital, University of Missouri, Kansas City, MO

David Askenazi, M.D., MPH
Professor of Pediatrics, University of Alabama, Birmingham, AL
Director – Pediatric and Infant Center for Acute Nephrology (PICAN), Children’s of Alabama, Birmingham, AL

Brian Becknell, M.D., PhD
Assistant Professor of Pediatrics, Director, Integrated Research Pathway, Principal Investigator; Center for Clinical and Translational Research. The Research Institute at Nationwide Children’s Hospital, Columbus, OH

Melvin Bonilla-Felix, M.D.
Professor of Pediatrics and Chair Department of Pediatrics, University of Puerto Rico, San Juan, PR

Patrick D. Brophy, M.D.
William H. Ellinger Professor and Chair of the Department of Pediatrics at the University of Rochester, NY
President ASPN (IPNA)

Vikas Dharnidharka, M.D., MPH
Professor of Pediatrics, University of Washington, Director, Division of Pediatric Nephrology, Hypertension and Phoensis, Saint Louis, WA

Guido Filler, M.D., PhD.
Professor of Pediatrics, Department of Pediatrics, Children’s Hospital, London Health Science Centre University of Western Ontario, Canada

Joseph T. Flynn, M.D., MS
Dr. Robert O. Hickman Endowed Chair in Pediatric Nephrology, Professor of Pediatrics, University of Washington, Chief, Division of Nephrology Seattle Children’s Hospital, Seattle, WA

Susan L. Furth, M.D., PhD
Professor of Pediatrics Perelman School of Medicine, University of Pennsylvania, Chief, Division of Pediatric Nephrology, Children’s Hospital of Philadelphia

Friedhelm Hildebrandt, M.D.
Chief Division of Nephrology, Boston Children’s Hospital, Professor of Pediatrics, Harvard Medical School, Boston, MA

Julie R. Ingelfinger, M.D.
Professor of Pediatrics Harvard Medical School, Senior Consultant in Pediatric Nephrology, Massachusetts General Hospital, Boston, MA

Frederick J. Kaskel M.D., PhD.
Director, Life Course Research Program Professor & Vice-Chair of Pediatrics, Children’s Hospital at Montefiore Albert Einstein College of Medicine, NY

Craig B. Langman, M.D.
The Isaac A. Abt MD Professor of Kidney Diseases, Feinberg School of Medicine, Northwestern University, Chief, Division of Nephrology, Professor of Pediatrics Seattle Children’s Hospital, Seattle, WA

Julie D. Mahan, M.D.
Professor of Pediatrics Ohio State University, Program Director Pediatric Residency and Pediatric Nephrology Fellowship Programs, Nationwide Children’s Hospital, Columbus, OH

Christopher McIntyre, M.D., PhD.
Professor of Medicine, Medical Biophysics and Pediatrics and Robert Lindsay Chair of Dialysis Research and Innovation at Western University, Director of the Lillibeth Caberto Kidney Clinical Research Unit at London Health Science Center, Ontario, Canada

Mark M. Mitsnefes, M.D., MS.
Professor of Pediatrics, Division of Nephrology and Hypertension, Program Director Clinical Translational Research Center, Cincinnati Children’s Hospital, OH

Matthew G. Sampson, M.D., MSCE
Associate Professor of Pediatrics, University of Michigan, Ann Arbor, MI

William E. Smoyer, M.D.
C. Robert Kidder Chair Vice President, Clinical and Translational Research, Director Center for Clinical and Translational Research. The Research Institute at Nationwide Children’s Hospital, Columbus, OH

H. William Schnaper, M.D.
Professor of Pediatrics; Vice Chairman, Children’s Memorial Medical Center, Feinberg School of Medicine, Northwestern University, Chicago, IL

Katherine Wesseling-Perry, M.D.
Associate Professor of Pediatrics, Division of Pediatric Nephrology, David Geffen School of Medicine at UCLA Los Angeles, CA

F. Bruder Stapleton, M.D.
Professor of Pediatrics, Senior Vice President and Chief Academic Officer; Chair, University of Washington, Seattle Children’s Hospital, Seattle, WA

LOCAL FACULTY

Carolyn L. Abitbol, M.D.
Professor of Pediatrics
Division of Pediatric Nephrology
Fellowship Program Director
Medical Director, Pediatric Dialysis Unit
Holtz Children’s Hospital
Associate Chair Pediatric Nephrology Seminar

Laura Barisoni, M.D.
Voluntary Professor of Pathology
University of Miami, Miller School of Medicine
Professor of Pathology and Medicine
Duke University, Durham, NC

George Burke III, M.D.
Professor of Surgery
Division of Transplant Surgery, MTI

Jayanthi Chandar, M.D.
Associate Professor of Clinical Pediatrics
Division of Pediatric Nephrology
Medical Director Pediatric Kidney Transplant

Miguel Castellanos, M.D.
Pediatric Urology Consultant
Holtz Children’s Hospital

Carlos Cuervo, M.D.
Voluntary Assistant Professor of Pediatrics
Division of Pediatric Nephrology

Marissa DeFreitas, M.D.
Assistant Professor of Clinical Pediatrics
Division of Pediatric Nephrology

Michael Freundlich, M.D.
Professor of Clinical Pediatrics
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Associate Chair Pediatric Nephrology Seminar

Leon Ferder, M.D.
Voluntary Associate Professor of Pediatrics
Division of Pediatric Nephrology

Alessia Fornoni, M.D., Ph.D.
Professor of Medicine, Director of Nephrology and Hypertension and Chair, Peggy and Harold Katz Family Drug Discovery Center
University of Miami Miller School of Medicine

Juan C. Infante, M.D.
Assistant Professor of Radiology
Department of Radiology

Chryso Katsouris, M.D.
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Associate Director Pediatric Dialysis Unit
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Marissa DeFreitas, M.D.
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Michael Nares, M.D.
Associate Professor of Clinical Pediatrics
Division of Critical Care Medicine

David B. Thomas, M.D.
Voluntary Professor of Pathology
University of Miami Miller School of Medicine

Judy Schaechter, M.D., MBA.
Professor and Chair, Department of Pediatrics
The George E. Batchelor Endowed Chair in Child Health University of Miami Miller School of Medicine
Chief of Service, Holtz Children’s Hospital
Jackson Health Systems

Wacharee Seeherunvong, M.D.
Associate Professor of Clinical Pediatrics
Fellowship Associate Program Director
Division of Pediatric Nephrology

Gastón E. Zilleruelo, M.D.
Professor Emeritus of Pediatrics

ENDORSEMENTS

American Society of Pediatric Nephrology (ASPN)
International Pediatric Nephrology Association (IPNA)

EDUCATIONAL SUPPORT

International Pediatric Nephrology Association (IPNA)
With an ideal South Beach locale, just north of world famous Ocean Drive at 15th Street, Royal Palm South Beach Miami is an oceanfront resort situated within the coveted and culturally rich area of South Beach, Miami.

Royal Palm South Beach Miami pays homage to the original Royal Palm Hotel’s rich history, keeping intact many signature elements of the original architect’s design. The compass rose on the terrazzo lobby floor, original green glass reception desk and porthole windows in the lobby lounge have all been preserved and restored.

Our resort provides guests with a location offering direct beach and Miami boardwalk access and is immersed in luxury retail on Collins Ave., and only blocks from Lincoln Rd. and Espanola Way, offering endless entertainment and dining options.

**ROOM RATES:** US $289.00 + US $20.00 Resort Fee and 14% tax (meals not included).

Room rates apply three day prior to, during and three days after the Seminar. Reservations must be received by February 17, 2019 to take advantage of the above rate. To book your stay, please visit the Seminar’s webpage [http://pediatrics.med.miami.edu/nephrology/seminar](http://pediatrics.med.miami.edu/nephrology/seminar) and click on the hotel link provided.

After this date, reservation requests will be considered on a space available basis.

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**Registration Information**

**Advanced Registration Fee:**
- Pediatric Nephrology Seminar **ONLY** US $400.00
- CRRT Workshop on Sunday afternoon **ONLY** US $ 50.00
- Physicians in Training (except Grantees), Nurses and Allied Health Professionals** US $295.00

- Physicians in Training will need letter of verification from Chief of service.
- Tuition includes admission to scientific sessions, a course flash drive and continental breakfasts.
- After February 17, 2019 and (On-Site) US $475.00 for physician in practice and US $330.00 for others.

- ONLY PAYMENTS BY CREDIT CARD CAN BE ACCEPTED FOR ON-SITE REGISTRATION.

**Services for the Disabled:**
If special arrangements are required for an individual with a disability to attend this conference, please contact: Melissa Gonzalez, (305) 585-6726 and the Royal Palm South Beach Miami 866-236-2427 or (305) 604-5700 no later than February 17, 2019.

**For Additional Information, contact:**
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To register online, visit [http://pediatrics.med.miami.edu/nephrology/seminar](http://pediatrics.med.miami.edu/nephrology/seminar) select conference you are attending and click register and pay.

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**Registration Cancellation Policy**
Refunds will be made only if written notice of cancellation is received prior to February 17, 2019. A US $75.00 fee is charged to all refunds. After this date, no refunds will be made. In cases where a course is cancelled due to insufficient registrations, a full tuition refund will be made.
COURSE DESCRIPTION
The Miami Pediatric Nephrology Seminar now in its 46th year is an unique international gathering of pediatric and adult nephrologists, pediatricians, internists, general practitioners, renal pathologists, neonatologists, pediatric urologists, transplant surgeons, nurses, nutritionists and allied health professionals from all over the United States and the world sponsored by the University of Miami, Leonard Miller School of Medicine and Holtz Children's Hospital at Jackson Memorial Hospital. The content is basic, the approach is clinical. Conceptual and practical problems are featured in a balance of formal presentations followed by informal discussions. Topics covered relate research advances to the understanding of mechanisms of renal disease, pathological expressions and clinical diagnosis and management. All registrants have opportunities to be involved in a dynamic exchange of information, experience, and insight. Selection of topics, faculty and format are based on suggestions from past Seminar participants and current questions. This coming year the renal pathology curriculum will be covered throughout the Conference with many new aspects of nephropathology including podocytopathies, and other common glomerular disorders, cystic and genetic renal diseases, CAKUT and finalizing with a Clinico-Pathologic Correlations interactive Session. The 46th Pediatric Nephrology Seminar will include a total of 12 Sessions from March 8-10, 2019 covering a wide range of topics including: Genetic/Developmental and Rare Disorders of the Kidney, New Frontiers in Pediatric Nephrology, Practical Nephrology for the Clinician, Recent Advances in Glomerular Disorders, CKD and Hypertension, Bone Disease, FGF23 and the Kidney, Growth and Nutrition in CKD (Workshop), Progressive CKD, Dialysis and Transplant. Heroes in Pediatric Nephrology. At the end of the Seminar we will offer an Interactive Workshop on Pediatric Critical Care Nephrology in which live CRRT/TFP procedures conducted at Holtz Children’s Hospital for selected participants. The Seminar will feature a number of distinguished guest faculty and local faculty members who will provide expertise and cordial exchanges including several panel discussions and Meet the Professor Luncheons. As in previous years, we anticipate funding for a limited number of Travel Grant for Fellows We hope you will enjoy attending this unique scientific meeting.

CONFERENCE LEARNING OBJECTIVES
Upon completion of the course, attendees will be able to:

1. Diagnose and treat the most frequent conditions by identifying recent discoveries in basic, translational and clinical research in selected areas of pediatric nephrology, and assessing its impact in research development and precision medicine.

2. Recognize and assess routine handling, processing and reporting of kidney biopsies with a systematic approach in the diagnosis of medical renal diseases and updated classifications.

3. Establish appropriate diagnosis and management of children with various medical renal diseases by assessing the histopathologic findings obtained from kidney biopsies.

4. Assess and utilize genetic diagnostic testing for use by the practitioner approach to children with inherited pediatric nephrology disorders.

5. Recognize the pathogenesis, diagnose complications and select appropriate management of neonates with kidney diseases.

6. Recognize common kidney disorders confronted by the general practitioner and discuss timely referral to the specialist.

7. Use recombinant growth hormone therapy in the management of children with growth impairment associated with chronic kidney disease (CKD) and assessment of nutrition abnormalities in children with this condition.


10. Review practical protocols for the management of patients with extracorporeal therapies in the critical care setting.

Upon completion of the Seminar, participants should be able to define the various etiologies and physiologic conditions relating to these subjects, select appropriate diagnostic procedures, understand that which may occur as a result of the disease process or treatment, and indicate appropriate therapy. In addition, those able to do basic or clinical research focused on pediatric nephrology challenges, will be stimulated by those knowledgeable about research issues and be informed about support sources. It is anticipated that the exchanges of knowledge occurring during this meeting, will help identify future research directions and new approaches and technologies that will eventually lead to a better understanding of these conditions and improved treatment and prevention strategies. It is expected that the Faculty will serve as role models for future generations of Pediatric Nephrologists and serve to stimulate interest in this field as a career choice. The Pediatric Nephrology Seminars have successfully addressed for over 45 years the issues of selecting the best faculty speakers, formal lectures of short duration followed by panel discussions and case-based presentations. Informal exchanges throughout the meeting allows for clear improvement in the professional gaps of the intended audience. The faculty, format and educational design will allow learners to give better patient care with regards to early detection of kidney disease in children or its complications (i.e growth hormone deficiency) and a more evidence based management of these conditions.

ACTIVITY EDUCATIONAL GOALS
Goals for the Scientific Conference/Seminar.
The purpose of the 46th Miami Pediatric Nephrology Seminar will be to review the current state/knowledge of selected relevant areas of research in Pediatric Nephrology with clinical practice implications. The specific aims of the proposed scientific Seminar are:

1. To review the current understanding of the diagnosis and management of various kidney disorders with a focus on clinical research, clinicopathologic correlations, current approaches for the general practitioner in common kidney conditions, concepts on neonatal nephrology and hypertension, effects of nutrition, and recombinant growth hormone in chronic kidney disease, in-depth review on selected glomerulopathies, on-going challenges in critical care nephrology, chronic kidney disease, dialysis and transplantation, and new developments in genetic approaches to inherited disorders and precision medicine.

2. To identify the most critical and promising areas for future basic and clinical research efforts regarding Pediatric Nephrology.

3. To stimulate interest in Pediatric Nephrology as a career choice.

4. To provide role models for the next generation of Pediatric Nephrologists and a communication network for future collaboration and career support for retention of current trainees.

FACULTY DISCLOSURE AND CONFLICT OF INTEREST RESOLUTION
All conflicts of interest of any individual(s) in a position to control the educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to learners.

Target Audience: Pediatric and adult nephrologists, pediatricians, internists, general practitioners, renal pathologists, neonatologists, pediatric urologists, transplant surgeons, nurses, nutritionists and allied health professionals.

ACCREDITATION
The University of Miami School of Nursing and Health Studies designates this live activity for a maximum of 9 AMA PRA Category 1 Credits™.

CREDIT DESIGNATION
The University of Miami School of Medicine designates this live activity for a maximum of 23.5 AMA PRA Category 1 Credits™.

The University of Miami School of Nursing and Health Studies designates CEU credits for this live activity as well.

PROGRAM DIRECTOR: Gastón E. Zilleruelo, M.D.
ASSOCIATE PROGRAM DIRECTORS: Carolyn L. Abitbol, M.D. and Michael Freundlich, M.D.
FOUNDED BY: José Strauss, M.D.