



Lawson Wilkins Pediatric Endocrine Society



Lawson Wilkins Pediatric Endocrine Society Annual Meeting May 2-6, 2003 ~ Washington State Convention and Trade Center

Friday, May 2	Sunday, May 4	Monday, May 5	Tuesday, May 6
<p>6:00pm – 8:00pm LWPES Reception</p> <p>Saturday, May 3</p> <p>8:30am – 12:00noon LWPES Plenary Session I ~ Lawson Wilkins Lecture ~ LWPES Robert Blizzard Lecture ~ LWPES Esoterix Lecture</p> <p>12:00noon – 1:30pm Lunch</p> <p>1:30pm – 3:30pm LWPES Diabetes Symposium</p> <p>3:30pm – 3:45pm Break</p> <p>3:45pm – 5:15pm LWPES Clinical Management Controversies ~ Workshop I – Adrenal ~ Workshop II – Thyroid ~ Workshop III – Hypoglycemia in Infants and Children ~ Workshop IV – Private Practice Issues in Pediatric Endocrinology</p> <p>5:15pm – 7:15pm PAS/LWPES Poster I, Exhibits & PAS Opening Reception ~ Endocrinology Posters I</p>	<p>SUNDAY MORNING</p> <p>8:00am – 8:50am LWPES Business Meeting</p> <p>9:00am – 9:45am LWPES Presidential Lecture ~ Diversity Amidst Unity</p> <p>9:45am – 10:00am Break</p> <p>10:00am – 11:45am PAS/LWPES Original Science Abstracts ~ Endocrinology/Diabetes Platform Session I (<i>LWPES Award Session</i>)</p> <p>11:45am – 1:45am PAS/LWPES Poster II & Exhibits ~ Endocrinology Posters II</p>	<p>SUNDAY AFTERNOON</p> <p>2:00pm – 4:00pm PAS/LWPES/ASP/N/ASPGHAN Joint Topic Symposium ~ Pediatric Solid Organ Transplantation in the 21st Century – Pancreatic Islet Transplantation – A Cure for Children with Diabetes? (<i>Lecture ends at 2:30</i>)</p> <p>2:30pm – 2:45pm Break</p> <p>2:45pm – 4:15pm PAS/LWPES State of the Art Plenary ~ Sex and the Pediatrician</p> <p>3:15pm – 6:15 pm PAS/LWPES Mini Course ~ Getting the Fat Out: A Practical Approach to Pediatric Lipid Disorders</p> <p>4:15pm – 6:15pm PAS/LWPES Original Science Abstracts ~ Endocrinology/Diabetes Bench Research Platform Session II</p> <p>4:15pm – 6:15pm PAS/ASPH/O Topic Symposium ~ “Home from War” — Follow Up Post Hematopoietic Stem Cell Transplant – Growth and Endocrine Disturbances in Survivors of Hematopoietic Stem Cell Transplantation (<i>Dr. Charles Sklar – final lecture</i>)</p>	<p>8:00am – 10:00am PAS/LWPES Original Science Abstracts ~ Endocrinology/Diabetes Clinical Research, Platform Session III</p> <p>10:15am – 12:15pm PAS/LWPES Topic Symposium ~ Bone Health</p> <p>3:00pm – 5:00pm PAS Topic Symposia ~ Newborn Screening: Challenges and Controversies ~ Nutrient Signaling</p>

Activities on Friday, May 2 are at the Sheraton Seattle ~ All scientific programming beginning on Saturday, May 3 is at the Washington State Convention and Trade Center

LWPES Programming



LWPES

Lawson Wilkins Pediatric Endocrine Society

Join us in Seattle, where the Lawson Wilkins Pediatric Endocrine Society (LWPES) and the Pediatric Academic Societies (PAS) will once again host tightly aligned annual meetings. The entire LWPES program including the plenary, mini symposia, business meeting, presentations by award winners, fellows' seminar and original science will all be held at the Washington State Convention and Trade Center. The Sheraton Seattle will serve as the LWPES headquarters and will host board meetings, committees and social activities.

Registration Information

There will be a single registration fee for the LWPES/PAS meeting set at the PAS registration fee schedule. This registration fee allows the participant to attend all LWPES and PAS functions. Refer to page 69 of this guide for details. Register by March 7th for substantial savings.

Housing Information

The Sheraton Seattle is the headquarter hotel for the LWPES. Housing may be reserved online at www.pas-meeting.org or refer to the housing form on page 68.

Contact Information

Contact for LWPES information:

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Contact for housing, registration and general information:

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Email: info@pas-meeting.org
URL: www.pas-meeting.org

Continuing Education Credit

Continuing Education is through the PAS. See page 4 for complete information.

Friday, May 2, 2003

8:00am – 12:00pm

LWPES Corporate Advisory Board

11:00am – 2:00pm

LWPES Committees

- Program Committee
- Drug & Therapeutics Committee
- Intersex Committee
- Professional & Clinical Affairs Committee

1:00pm – 5:00pm

LWPES Executive Committee

6:00pm – 8:00pm

LWPES Reception

Saturday, May 3, 2003

8:30am – 12:00pm

3270A LWPES Plenary Session I

(8:30am – 8:45am)

Opening Remarks and Awards

Mark Sperling, President, LWPES

Lawson Wilkins Lecture

(8:45am – 9:45am)

Lessons from Tissue-Specific *Igfl* Knockout Mice

Derek LeRoith, National Institutes of Health, Bethesda, MD

Robert Blizzard Lecture

(9:45am – 10:45am)

Autoimmune Polyglandular Syndrome Type I: Clinical Insights from Molecular Discoveries

Diane Mathis, Joslin Diabetes Center, Boston, MA

10:45am – 11:00am

Coffee Break

Esoterix Lecture

(11:00am – 12:00pm)

Defective Signaling in Endocrine Disorders

Allen Spiegel, National Institutes of Health, Bethesda, MD

12:00pm – 1:30pm

Lunch Break

1:30pm – 3:30pm

3740A Diabetes Symposium

Chair: Nicole Glaser, University of California, Davis, Sacramento, CA

Significant advances in both the understanding of the underlying causes, as well as in pragmatic aspects of clinical management of diabetes, are highlighted. Work at three levels: 1) biology of islet cell function and survival, 2) analysis of informative monogenic forms of diabetes, and 3) new methods of diabetes monitoring, will be discussed.

Common Threads in Types I and II Diabetes

Morris White, Joslin Diabetes Center, Boston, MA

New Monogenic Forms of Diabetes: Insights and Puzzles

Constantine Polychronakos, McGill University, Montreal, Canada

New Monitoring Methods in Diabetes

Denis Daneman, Hospital for Sick Children, Toronto, Canada

Supported in part by an educational grant from the Juvenile Diabetes Research Foundation International

3:30pm – 3:45pm

Coffee Break

3:45pm – 5:15pm

Clinical Management Controversies Workshops

Controversial issues in the management of patients will be discussed in the context of patient presentations. These sessions are open to all interested attendees.

3875A Workshop I – Adrenal

Walter Miller, University of California at San Francisco, San Francisco, CA and Phyllis Speiser, New York University, Manhasset, NY

- ~ Surgical Treatment for Ambiguous Genitalia — Who Are We Treating and When?
- ~ Prenatal Treatment of CAH — Should All Fetuses Be Treated, and By Whom?

3876A Workshop II – Thyroid

Thomas Foley, University of Pittsburgh, Pittsburgh, PA and Stephen LaFranchi, Oregon Health Sciences University, Portland, OR

- ~ The Preterm Infant with Hypothyroxinemia
- ~ Thyroid Nodules — The Initial Approach
- ~ Thyroid Cancer Treatment of Children: Role and Extent of Surgery, Radioactive Iodine Therapy, Follow up



3877A Workshop III - Hypoglycemia in Infants and Children (Ketotic and Nonketotic)

Charles Stanley, Children's Hospital of Philadelphia, Philadelphia, PA and Joseph Wolfsdorf, Children's Hospital Boston, Boston, MA

- ~ Diagnostic Workup, Role of Genetic Testing
- ~ Medical and Surgical Therapies

3878A Workshop IV - Private Practice Issues in Pediatric Endocrinology

Jay Cohen, The Endocrine Clinic P.C., Memphis, TN, Henry Anhalt, Maimonides Medical Center, Brooklyn, NY and Naomi Neufeld, Neufeld Medical Group, Los Angeles, CA

- ~ Common Issues in the Private Practice of Pediatric Endocrinology

5:15pm – 7:15pm

Endocrinology Posters I, PAS Opening Reception and Exhibits

(Exhibit Hours: 4:00pm – 7:30pm)

PAS/LWPES Original Science Abstracts

Sunday, May 4, 2003

8:00am – 8:50am

4065A LWPEs Business Meeting

9:00am – 9:45am

4360A LWPEs Presidential Lecture Diversity Amidst Unity

Mark A. Sperling, President, LWPEs, University of Pittsburgh, Children's Hospital, Pittsburgh, PA

9:45am – 10:00am

Break

10:00am – 11:45am

4380A Endocrinology/Diabetes Award Session

PAS/LWPES Original Science Abstracts Platform Session I

11:45am – 1:45pm

Endocrinology Posters II and Exhibits

(Exhibit Hours: 11:00am – 3:00pm)

PAS/LWPES Original Science Abstracts

2:00pm – 4:00pm

4600 Pediatric Solid Organ Transplantation in the 21st Century

PAS/ASPEN/LWPES/NASPGHAN Topic Symposium

Chairs: Ellis D. Avner, President, ASPEN; Mitchell B. Cohen, President, NASPGHAN and Mark A. Sperling, President, LWPEs

Organ transplantation remains the final therapeutic option for many patients with chronic diseases of many organ systems. Extraordinary advances in molecular and cellular biology have led to new immunological approaches which make the holy grail of immune tolerance a reality for the 21st century. This symposium will focus on the exciting advances in four areas of pediatric solid organ transplantation: pancreatic islet transplantation as a cure for diabetes, hepatic transplantation for chronic hepatic and metabolic disease, renal transplantation for end stage renal disease and small bowel transplantation for previously untreatable catastrophic bowel injury. This symposium is proudly sponsored by the American Society of Pediatric Nephrology (ASPEN), the North American Society of Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN) and the Lawson Wilkins Pediatric Endocrine Society (LWPES).

Pancreatic Islet Transplantation – A Cure for Children with Diabetes?

Jonathan Lakey, University of Alberta, Edmonton, Alberta, Canada

Hepatic Transplantation – Controversies and Challenges

Suzanne V. McDiarmid, University of California, Los Angeles, CA

Renal Transplantation – Approaching the Holy Grail

William E. Harmon, Harvard Medical School, Children's Hospital, Boston, MA

Small Bowel Transplantation – Ready for Prime Time

Simon P. Horslen University of Nebraska Medical Center, Omaha, NE

Sponsored jointly by the American Society of Pediatric Nephrology, North American Society of Pediatric Gastroenterology, Hepatology and Nutrition, Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

Supported in part by an educational grant from the Juvenile Diabetes Research Foundation International

2:30pm – 2:45pm

Break

2:45pm – 4:15pm

4780 Sex and the Pediatrician PAS/LWPES State of the Art

Chair: David Geller, UCLA School of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA

The processes of gonadal differentiation, X-inactivation, and the proper imprinting of selected genes are all required for the correct development of gonadal and phenotypic sex. Recent advances in these three areas will be presented.

Sexual Differentiation: Battle of the Sexes

Larry Jameson, Northwestern University Medical School, Chicago, IL

X-Inactivation in Pediatric Endocrinology

Huntington Willard, The Research Institute of University Hospitals of Cleveland, Case Western Reserve University, Cleveland, OH

Imprinted Genes and the Role of Parental Sex

J. Richard Chaillet, Rangos Research Center, University of Pittsburgh, Pittsburgh, PA

Sponsored jointly with the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

3:15pm – 6:15pm

4800 Getting the Fat Out: A Practical Approach to Pediatric Lipid Disorders

PAS/LWPES Mini Course

Chairs: Brian W. McCrindle, The Hospital for Sick Children, Toronto, Ontario, Canada and Charlotte M. Boney, Rhode Island Hospital, Providence, RI

This course will review the evaluation and treatment of lipid disorders in children. Although diet and obesity are the most common causes of lipid disorders in children, the practitioner needs to be able to distinguish familial from acquired hyperlipidemias. The format will include four speakers who will present 1) lipoprotein biosynthesis and metabolism, primary (familial) versus secondary (acquired) disorders and selective screening, 2) dyslipidemia of obesity and insulin resistance, 3) dietary management and treatment of obesity, and 4) the pharmacologic treatment of primary hyperlipidemias. Each session will include examples of the practical application of the material. The course will conclude with a panel discussion of the speakers with plenty of time for questions.

Overview of Lipoprotein Biosynthesis, Metabolism, and Disorders, and Screening

Ellis J. Neufeld, The Children's Hospital, Boston, MA

The Dyslipidemia of Obesity and the Insulin Resistance Syndrome

Julia Steinberger, University of Minnesota, Minneapolis, MN

Approach to Dietary Management and Treating Obesity

Barbara A. Dennison, Bassett Research Institute, Cooperstown, NY

The Pharmacologic Treatment of Hyperlipidemias

Brian W. McCrindle, The Hospital for Sick Children, Toronto, Ontario, Canada

Sponsored jointly with the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

4:15pm – 6:15pm

Endocrinology/Diabetes Bench Research

PAS/LWPES Original Science Abstracts Platform Session II

4:15pm – 6:15pm

4852 “Home from War” – Follow Up Post Hematopoietic Stem Cell Transplant

PAS/ASPHO Topic Symposium

Chair: Nancy Bunin, The Children’s Hospital of Philadelphia, Philadelphia, PA

Children return to their referring hematologists/oncologists or pediatricians for follow up post hematopoietic stem cell transplant (HSCT). This session will discuss some of the issues, both immediate and long-term, that these children face. Many patients may require special care due to chronic graft vs. host disease, and the current treatment, challenges and particular infectious concerns of these patients will be discussed. Immune reconstitution post HSCT will be described, with presentation of newer therapies to accelerate reconstitution. Finally, survivors of HSCT are at risk for multiple endocrinologic abnormalities, including growth failure, hypogonadism and hypothyroidism. The endocrinologic follow-up of these patients and current intervention will be discussed.

Chronic GVHD and Associated Infections

Paul Carpenter, Fred Hutchinson Cancer Research Center, Seattle, WA

Enhancing Immune Reconstitution with IL7

Crystal L. Mackall, National Cancer Institute, Bethesda, MD

Growth and Endocrine Disturbances in Survivors of Hematopoietic Stem Cell Transplantation

Charles A. Sklar, Memorial Sloan-Kettering Cancer Center, New York, NY

Sponsored jointly with the American Society of Pediatric Hematology/Oncology and the Pediatric Academic Societies

Monday, May 5, 2003

8:00am – 10:00am

Endocrinology/Diabetes Clinical Research

PAS/LWPES Original Science Abstracts Platform Session III

10:15am – 12:15pm

5350 Bone Health

PAS/LWPES Topic Symposium

Chair: Catherine Gordon, Children’s Hospital, Boston, MA

Healthy bones in childhood are of vital importance, for they determine future bone health or disease in adulthood. In this symposium, recent advances in the understanding of the biology of bone formation and turnover will be discussed. Clinical disorders affecting pediatric bone health, and the assessment of their impact, will be presented. The controversial issue of whether breast-fed babies should be given supplemental vitamin D will be considered next. Finally, recent advances in the use of new anti-resorptive agents in the treatment of metabolic bone diseases of children will be presented.

Basic Biology of Bone

Gerard Karsenty, Baylor College of Medicine, Houston, TX

Disorders Affecting Pediatric Bone Health and Their Assessment

Laura K. Bachrach, Stanford University Medical Center, Stanford, CA

Breast Feeding – Is Vitamin D Supplementation Indicated?

Thomas O. Carpenter, Yale University School of Medicine, New Haven, CT

Bisphosphonates in the Treatment of Metabolic Bone Disease

Frank Rauch, Shriners Hospital for Children, McGill University, Montreal, Canada

Sponsored jointly with the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

3:00pm – 5:00pm

5652 Newborn Screening: Challenges and Controversies

PAS/LWPES Topic Symposium

Chair: Edward R.B. McCabe, David Geffen School of Medicine at UCLA, Mattel Children’s Hospital, Los Angeles, CA

Newborn screening programs, which have been in place for more than 40 years, are facing major challenges. Technological advances permit the addition of an increasing number of diseases, including many for which the benefits are not as

clear-cut as for PKU, congenital hyperthyroidism or sickle cell disease. As pilot projects evaluate the addition of new tests, the importance of involving parents in decision-making is being actively discussed. Originally established with a “public health imperative,” the predominant state model has been one of “informed dissent.” Various models for informing and involving parents will be discussed, as well as their feasibility and cost. There are a number of legislative developments under consideration locally and nationally, and these will be presented and analyzed. As new diseases are considered for addition to screening batteries, it is possible to screen for disorders that have no effective interventions defined. It is clear that if we do not screen for these diseases, no improvements in care will advance. We will discuss whether such arguments justify screening. In summary, technological advances are forcing policy decisions. We will discuss the impacts of these challenges.

Parental Consent: Necessary or Sufficient?

Edward R.B. McCabe, David Geffen School of Medicine at UCLA, Mattel Children’s Hospital, Los Angeles, CA

Legislative Impacts in the Nursery

Michele Puryear, Maternal and Child Health Bureau, Health Resources & Services Administration, Rockville, MD

Should We Screen for Conditions We Can’t Treat?

R. Rodney Howell, University of Miami School of Medicine, Miami, FL

Sponsored jointly with the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

3:00pm – 5:00pm

5653 Nutrient Signaling

PAS/LWPES Topic Symposium

Chair: Philip A. Gruppuso, Rhode Island Hospital and Brown University, Providence, RI

In the past several years, considerable progress has been made in understanding the mechanisms by which nutrient availability controls cell growth and proliferation. While hormonal mechanisms have been carefully studied and are well established, the signal transduction mechanisms that account for nutrient responsiveness at the cellular level have only recently come under intense scrutiny. This symposium will focus on these cellular mechanisms. Topics will include the nutrient regulation of cell proliferation, nutritional control of mRNA translation and the developmental modulation of nutrient signaling. In particular, speakers will focus on the molecular nature and regulation of cell signaling mechanisms that are nutrient-responsive, the integration of these signaling pathways and their developmental



modulation. A goal of the symposium is to provide a physiological context for these signaling mechanisms, thereby establishing their relationship to a critical area in pediatrics, the nutritional control of growth.

The Nutritional Control of Cell Proliferation

Philip A. Gruppuso, Rhode Island Hospital and Brown University, Providence, RI

Nutritional Control of mRNA Translation

Scot R. Kimball, Pennsylvania State University College of Medicine, Hershey, PA

Developmental Changes in Nutrient Signaling Impact Muscle Protein Synthesis in Neonatal Pigs

Teresa A. Davis, Children’s Nutrition Research Center, Baylor College of Medicine, Houston, TX

Sponsored jointly with the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

Gene–Environment Interactions, the Innate Immune System, and the Role of Specific Proteins in the Pathogenesis of Airway Dysfunction

Giuseppe N. Colasurdo, University of Texas–Houston Medical School, Houston, TX

The IGF System Through Development and Its Potential Role In Carcinogenesis

Pinchas Cohen, Mattel Children’s Hospital at UCLA, Los Angeles, CA

Sponsored jointly with the Lawson Wilkins Pediatric Endocrine Society and the Pediatric Academic Societies

Tuesday, May 6, 2003

10:15am – 11:45am

6300 Early Origins of Later Life Disease

PAS/LWPES State of the Art

Chair: Sherin U. Devaskar, University of California, Los Angeles, CA

This session will address the topic of “perinatal origins of adult disease.” The three speakers will address different aspects related to the early origins of adult disease. Dr. Giuseppe Colasurdo will discuss the impact on adult onset reactive airway disease due to postnatal exposure to environmental stimulants, Dr. Kent Thornburg will address the issues related to the fetal origins of adult onset cardiovascular disease, and Dr. Pinchas Cohen will cover the influence of postnatal insulin-like growth factor on the development of carcinogenesis. All three speakers will shed light on the mechanisms underlying the phenomenon of “Perinatal Origins of Adult Disease” in three different disease states using various animal models. This session will provide cutting edge information that will help set the stage for future interventions targeted at the mechanisms outlined.

Fetal Origins of Later Life Cardiovascular Disease

Kent L. Thornburg, The Heart Research Center, Oregon Health & Science University, Portland, OR

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**Be sure to visit the LWPES
Exhibitors in the Exhibit Hall
at the Washington State
Convention and Trade Center**
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