Greetings!

This newsletter is already full of news for upcoming events and deadlines so I will keep my message brief. Our January Board meeting is coming up in a few weeks and we will have our Corporate Advisory Board (CAB) join us for a networking meeting to see how we can collaborate with industry sponsors to advance the practice and science of pediatric endocrinology and to support our members. If you have innovative ideas on how to work with industry partners given current regulatory policies, please let us know.

We have several active SIGs, including newly formed ones that will have an opportunity to meet at our annual meeting (see below). Please come early and join your colleagues who share similar clinical interests.

Thanks to all the enthusiastic volunteers who participate on our committees and SIGs. The PES members are amazing - so energetic and passionate- and get an extraordinary amount of work done. In fact, the Board is having difficulty keeping up with all the great ideas and accomplishments of each committee. Thank you for your hard work!

Wishing you all joy, peace, and good health over the holiday season! Enjoy the time with your family and friends as you celebrate the end of 2017 and get refreshed for the transition to 2018.

Happy New Year!

Welcome New Members

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<th>First_Name</th>
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<tr>
<td>Abdullah</td>
<td>Almaghraby</td>
<td>MD</td>
<td>Ann &amp; Robert H. Lurie Children's Hospital</td>
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<td>Rasha</td>
<td>Alradadi</td>
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<td>The Riley Hospital for Children at Indiana University Health</td>
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<td>Adrian</td>
<td>Araya</td>
<td>MD</td>
<td>University of Michigan</td>
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<td>Shruthi</td>
<td>Arora</td>
<td>MBBS</td>
<td>Cincinnati Children's Hospital Medical Center</td>
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<td>Monica</td>
<td>Bianco</td>
<td>MD</td>
<td>Lurie Children's Hospital</td>
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<td>Christine</td>
<td>Cherella</td>
<td>MD</td>
<td>Boston Children's Hospital</td>
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<td>Shashikala</td>
<td>Gowda</td>
<td>MBBS, MD, MPH</td>
<td>UH Rainbow Babies and Children's Hospital</td>
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<td>Jasmine</td>
<td>Gujral</td>
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<td>Mount Sinai Hospital</td>
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<td>Tara</td>
<td>Kaushal</td>
<td>MD</td>
<td>Children's Hospital of Philadelphia</td>
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<td>Erika</td>
<td>Lundgrin</td>
<td>MD, MS</td>
<td>University Hospitals / Rainbow Babies and Children's Hospital</td>
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<td>Angeliki</td>
<td>Makri</td>
<td>MD, MSc</td>
<td>National Institutes of Health</td>
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<td>Cincinnati Children's Hospital Medical Center</td>
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<td>Ojukwu</td>
<td>MD, MPH</td>
<td>Children's Hospital of Philadelphia</td>
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<td>Trisha</td>
<td>Patel</td>
<td>MD, FRCPC</td>
<td>British Columbia Children's Hospital</td>
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<td>Sylvia</td>
<td>Robinson</td>
<td>BA, MD</td>
<td>University of Illinois at Chicago</td>
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<td>Thambundit</td>
<td>MD</td>
<td>University of California, Los Angeles</td>
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<td>Columbia University Medical Center</td>
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<td>Malinda</td>
<td>Wu</td>
<td>MD</td>
<td>Emory University</td>
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<td>Olga</td>
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<td>MD</td>
<td>SUNY Downstate Medical Center</td>
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<td>Daniel</td>
<td>Zeve</td>
<td>MD, PhD</td>
<td>Boston Children's Hospital</td>
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May 5-8, 2018
Toronto, Canada

Stay Informed: Facebook, Twitter

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SAVE THE DATE for the PES annual Meeting!

Click here to renew your PES dues. Member’s only benefits will be revoked on February 28, 2018

Click here to see membership benefits.

2018 Dues Renewal

Welcome New Members
Registration and housing now open for the PES/PAS Meeting!

Meeting May 5-8, 2018, Toronto, Canada

NOTE: The hotel where most of the PES events are taking place is the Westin Harbour Castle Hotel, Toronto, Canada.

PES Committee meetings will occur Friday, May 4, 2018 from 11:00am - 2:00pm. The following Special Interest Groups have been invited to host a meeting Friday, May 4, 2018 from 4:30pm - 6:30. Current Special Interest Groups: Bone and Mineral, Diabetes, DSD, Ethics, Obesity, Transgender Health, and Turner Syndrome

Stay tuned for more information.

Click here to register.
Click here to secure lodging.

2018 Blizzard and Van Wyk nominations are now open!

Click here for more information on the Robert M. Blizzard, MD lectureship
Deadline: January 15, 2018 (11:59pm EDT)

Click here for more information on the Judson J Van Wyk Prize
Deadline: January 22, 2018 (12:00PM EDT)

2018 Clinical Update and Case Discussion Course. – Registration now open!

Looking for the most up to date information on the care of transgender youth? Want to know more about fertility in survivors of childhood cancer?

PES has partnered with our colleagues in the Canadian Pediatric Endocrine Group to bring you the 2018 Clinical Update and Case Discussion Course.

The day will include key sessions on clinical areas of great relevance to your daily practice, and the frequently requested hot topics including:

- Practical tips for starting patients on closed-loop insulin delivery systems
- Management of type 2 diabetes beyond metformin
- Clinical Genetics for the pediatric endocrinologist- what test, when and why?
- and so much more!

This year it will be a single day course on Friday, May 4, 2018 (7am-4:30pm) the day before the main PAS/PES meeting starts and will take place at the Westin Harbour Castle Hotel in Toronto. This course will be an excellent clinical practice complement to the research science presented at the main meeting, and we hope you can attend.

Click here to register

Attendees are responsible for making their own hotel reservations.

The Westin Harbour Castle Hotel is located at 1 Harbour Square, Toronto, ON M5J 1A6, Canada. To take advantage of the PAS convention hotel rates you must book your room through the PAS website: www.pas-meeting.org.

If you are not attending the PAS/PES Annual Meeting, then you can book directly through The Westin Harbour Castle website (http://www.guestreservations.com/westin-harbour-castle-toronto/booking).

NEW Research Award Program for Fellows - Rising Star Award (RSA)

The purpose of this small grant award program is to support and encourage research efforts of fellows. The maximum amount of funding available for each of these grants is $2000 for one year. The PES plans to fund a maximum of 5 grants every 6 months. The RSA program is in addition to the already established and larger Research Fellowship Award program.

Eligibility: Fellows/In-Training members who are PES members in good standing and who are in an approved training program in Pediatric Endocrinology are eligible for the Rising Star Award. U.S. citizenship or green card status is NOT required. Those with career plans in North America are favored.

Application Deadlines: 5PM EST – January 19, 2018
Funding Start Dates: July 1, 2018

Process: Submit a one page (maximum) proposal to info@pedsendo.org with an outline of the research proposal. Grants will be judged on Significance, Innovation, Research Approach and Feasibility, and Budget Justification (how funds will be utilized to advance the research agenda of the fellow applicant.

PES announces a Regional Meeting Grants Program

These grants will provide financial support to conduct a regional pediatric endocrinology educational meeting with an invited guest lecturer. One goal of the regional meetings is to provide an opportunity for Fellows-in-Training to present abstracts and network with colleagues. Another goal is to encourage increased communication and interactions among Pediatric Endocrinologists in a geographic region.

Regional Meetings should involve more than one institution (and, where appropriate, more than one metropolitan area) and will offer a venue for presentations by Fellows.

PES Regional Meeting Grants will be awarded in the amount of $2,000 per meeting applicant to cover travel for a speaker and other needs identified by the meeting organizers. Applications are due by March 1, 2018.

For more information, please go to: https://www.pedsendo.org/research_awards/grants/pdf/PESregionalgrantrevisedApril2017.pdf

If you have an interest in leading a regional meeting or if you have led a regional meeting in the past, please contact, Linda A DiMeglio, dimeglio@iu.edu or Alex Karmazin akarmazin@cmh.edu. We would like to compile a list of regional program leadership so that PES can help foster the support of these groups.

Statement from the Pediatric Endocrine Society Drug & Therapeutics Committee Regarding Regulations on Handling of GnRH agonists in Medical Settings

The PES Drug & Therapeutics Committee has prepared a statement to inform members about upcoming regulations (United States Pharmacopeial Convention General Chapter <800> Hazardous Drugs – Handling in Healthcare Settings) that may affect administration of GnRH agonists in office settings. The Committee will continue to monitor this situation and will update members if new information becomes available.

https://www.pedsendo.org/education_training/PDF/Lupron_Safety_Statement.pdf

Request for Proposal (RFP) for Visiting Fellowship Program: DEADLINE APPROACHING

Deadline: January 15, 2018

Calling all interested institutions!

The Board of Directors (BOD) of the Pediatric Endocrine Society (PES) is hereby soliciting applications from Pediatric Endocrinology Programs with their own board-certified fellowship program and broad state-of-the-art expertise in pediatric endocrinology, diabetes, and related disciplines to create an intensive educational two-week educational program for four visiting third-year pediatric endocrinology fellows.

Deadline to receive applications from interested institutions is January 15, 2018. The program takes place between October and March 2019. Institutions must submit dates, or at least the month during which the program would be held.

Click here for more information.

NOTE: A call for fellow applications will go out at a later date. Thank you!

Spring retreat applications - DEADLINE APPROACHING

Deadline: January 11, 2018

The Spring Retreat is for first and second year fellows who are PES members. The Retreat is held annually in conjunction with the Pediatric Academic Sciences (PAS) / PES meeting. The goals of the Spring Retreat are to develop and practice critical thinking skills in clinical Pediatric Endocrinology,
learn about different career options within the field, and network with other fellows and faculty. Fellows will present cases to an audience of faculty and peers, learn from nationally recognized faculty, and have fun in the process.

Click here to apply

PES Travel Awards – Apply Now!

Click here to apply

Deadline: March 15, 2018

Mentor Initiative Solicitation - DEADLINE APPROACHING

Deadline: January 2, 2017

The Research Affairs Committee (RAC) is soliciting mentors and mentees to register for the next wave of the Mentoring Initiative. The initiative did very well in the first three years, and the feedback thus far has been excellent. The RAC is now working on setting up the next round of mentor-mentee matches. Mentees include faculty at various stages of their careers and fellows that would like to establish mentors outside their institution. We hope to recruit mentors who are willing to advise on careers in research, clinical practice, administration, industry and government, career advancement, as well as work-life balance.

Please click here to register as a mentor or a mentee.

Clinical Scholar and Research Fellowship Awards - DEADLINE APPROACHING

Deadline: January 16, 2018, 5:00 PM (Eastern)

Applications for the 2018 Research Fellowship Awards and Clinical Scholar Awards are now open! Please click on the links below to access the detailed instructions, requirements, and the applications.

PES Research Fellowship Awards
PES Clinical Scholar Awards

Endocrine Society Accepting Applications from Endocrine Fellows for Type 1 Diabetes Conference

The Endocrine Society is accepting applications from pediatric and adult endocrine fellows for the Type 1 Diabetes Fellows’ Conference to be held March 13–15, 2018 in Chicago, Illinois prior to ENDO 2018.

This two-day conference is a unique experience for fellows interested in the diagnosis, treatment, and management of type 1 diabetes with a unique opportunity to meet with, and learn from leaders in the field. This interactive program will cover diagnosis, sick day management, exercise, diabetes technology, patient engagement, and more through small group discussions and hands-on learning.

Fellows will receive a travel stipend for the conference as well as complimentary registration to attend the Early Career Forum and the Endocrine Society's Annual Meeting & Expo held March 17–20, 2018.

Program, faculty, and application details are online at Endocrine Fellows Series: Type 1 Diabetes Care and Management.

Application deadline is January 4, 2018.

If you have any questions, please contact the Endocrine Society at awards@endocrine.org.

Image of the month

Interesting spots

The patient has a history of penile freckling noted at birth, macrocephaly without ventriculomegaly, hypotonia, gross motor delay, joint laxity, and history of lipoma at age 3 years. Intelligence is above average. At age 6 years DNA analysis of the PTEN (phosphatase and tensin
The homolog gene showed heterozygous G129R missense mutation consistent with the clinical diagnosis of Bannayan-Ruvalcaba-Riley syndrome (BRRS). Rectal bleeding prompted colonoscopy at age 11 which revealed multiple hamartomatous polyps. Due to multinodular goiter with growing nodules, the patient had a total thyroidectomy at age 14; nodules were benign. PTEN codes for an enzyme that regulates cell division.

The clinical management of PTEN hamartoma tumor syndrome (PHTS)(including Cowden syndrome, BRRS, Proteus, and others) focuses on cancer risk. Cowden syndrome is associated with a 25–50% lifetime risk of breast cancer, a 10% risk of thyroid cancer, and a 5–10% risk of endometrial cancer. The cancer risk of the Bannayan-Riley-Ruvalcaba phenotype is undefined but, because a major component of this disorder is allelic to Cowden syndrome, cancer surveillance is recommended for all individuals with germline PTEN mutations.

Criteria for diagnosis of PHTS in pediatrics
1) Macrocephaly (≥ 2 standard deviations from normal)
2) At least one of the following four additional criteria should be present:
   - Autism or developmental delay
   - Dermatologic features, including lipomas, trichilemmomas, oral papillomas, or penile freckling
   - Vascular features, such as arteriovenous malformations, or hemangiomas
   - Gastrointestinal polyps

In addition, pediatric-onset thyroid cancer and germ cell tumors (testicular cancer and dysgerminoma) are recognized associations of Cowden syndrome and should provoke consideration of PTEN testing.

Smith et al., JCEM 96:34-37, 2011.

Thanks to Judy Ranells, MD, USF Clinical Genetics, for providing the picture.

Click here to view image

Historic Tidbit provided by Walter L. Miller

DNA Sequencing
The development of rapid, accurate DNA sequencing did for genetics what invention of the microscope did for cell biology. Maxam & Gilbert (PNAS 74:560-564,1977) and Sanger (PNAS 74:5463-5467,1977) devised the first viable DNA sequencing tactics. Insulin (Science 196:1313-1319,1977) and GH (Nature 270:486-494,1977) were among the first genes sequenced, and advances in the Sanger technology led to sequencing the human genome (Nature 409:860-921,2001; Nature 431:931-945,2004). Next-generation, massively parallel sequencing has delivered genome sequences of hundreds of living and extinct species, making sequencing a routine tool in biology, anthropology and medicine. Third generation, hand-held technologies will soon permit genome sequencing in the field or at the bedside. This 40-year history of DNA sequencing is celebrated in a 19 October review (Nature 550:345-353,2017).

Sincerely,

Mary Min-Chin Lee, MD
PES President

Dorothy Shulman, MD
PES Board Member