Happy New Year!

Did any of you get to see the super blue blood moon early this morning? In MA, we saw the spectacular super moon but the moon set before we could see the eclipse.

The Board had a busy month with our January board meeting at which we developed a number of action items (some of which you will hear about in this and future newsletters) and had a very productive networking meeting with our corporate advisory board members to better understand their company vision and mission and to generate ideas on how we are able to partner effectively with them to achieve our Society goals. Their funding and support has been critical for us to achieve our mission of advancing educational programming, creating opportunities for fellow and faculty development, and enhancing scholarship with grant awards. Please be sure to stop by and thank them at our annual meeting.

We have received 20 applications for our research awards this year. Amazing work is being done by our society members and we will be reviewing these over the next few months.

If you have not looked at the website recently, please take a minute to explore the wealth of information and resources available with just a click! Degnon Associates and the communications committee update the site regularly and it is easy to navigate and has information for you, your learners, and your patients.

Congratulations to the newest members of the PES listed below! I look forward to meeting you at future meetings and welcoming you to our committees and SIGs.

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<tr>
<th>Last_Name</th>
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<th>Degrees</th>
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<tbody>
<tr>
<td>Nagaraja</td>
<td>Soumya</td>
<td>MBBS, MD</td>
<td>NYU Winthrop University Hospital</td>
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<td>Richter</td>
<td>Lauren</td>
<td>BS, MA, MD</td>
<td>Columbia University Medical Center</td>
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<tr>
<td>Chen</td>
<td>Jarreau Spencer</td>
<td>MD</td>
<td>Montefiore Medical Center</td>
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<td>Sunil</td>
<td>Bhuvana</td>
<td>MD</td>
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<td>Schlissel</td>
<td>Elise</td>
<td>BA, MD</td>
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<td>Gupta</td>
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<td>Coles</td>
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<td>Sarhis</td>
<td>Jennifer</td>
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<td>Amy</td>
<td>MD</td>
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<td>McCauley</td>
<td>Mary</td>
<td>MD, BS</td>
<td>University of Chicago</td>
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2018 Dues Renewal

Please [Click here](#) to renew your PES dues. Note that member’s only benefits will be revoked on February 28, 2018 if dues are unpaid.

[Click here](#) to see membership benefits.

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

**Meeting Dates:** May 5-8, 2018, Toronto, Canada

[Click here](#) to register.
[Click here](#) to secure lodging*
*NOTE: The hotel where most of the PES events are taking place is the Westin Harbour Castle Hotel, Toronto, Canada.

Plan your travel accordingly...

**PES Committee meetings**

PES Committee meetings will occur Friday, May 4, 2018 from 11:00 AM - 2:00 PM at the Westin Harbour Hotel.

**Call for new committee members!**

Looking for a way to get more involved in pediatric endocrinology at a national level? Have some expertise in an area that would benefit the PES membership and the patients we serve? Are you up to the task of advancing the society mission? If you answered yes to these questions, there is a committee for you! Our new strategic plan is directly aligned with our volunteer workforce and we need you to help us meet our goals and objectives.

Please [click here](#) to view a full list of committees with their descriptions.

Please [click here](#) to sign up for a committee.

**PES Special Interest Groups (SIGs):**

The following Special Interest Groups have been invited to host a meeting Friday, May 4, 2018 from 4:30 PM - 6:30 PM. Current Special Interest Groups: Bone and Mineral, Diabetes, DSD, Ethics, Obesity, Transgender Health, and Turner Syndrome. Stay tuned for more information.

**PES Fellows: Save the Date!**

**NOTE:** an invitation will be sent for the events below so that you can RSVP.

**Friday, May 4, 2018**
- PES Fellows meet and greet, 6:00pm – 7:00pm (Westin Hotel)

**Saturday, May 5, 2018**
- PES Mentor/Mentee workshop, 10:30am – noon (Convention Centre)

**Sunday, May 6, 2018**
- PES Fellows meeting and lunch, 11:00am – 1:00pm (Westin)

**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. [Click here to view the full schedule](#). This year it will be a single day course on **Friday, May 4, 2018** (7 AM-4:30 PM), 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](http://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).
Dear PES Colleagues,

The newly-formed PES Bone and Mineral Special Interest Group (SIG) will convene during the PES conference on Friday, May 4, 2018 4:30-6:30 PM (location TBD) in Toronto. Our aims are to increase awareness, share knowledge, promote collaborations, and provide education to enhance the understanding and management of pediatric bone and mineral disorders. The meeting will include a keynote lecture, brief oral presentations, and a business meeting to formally establish our SIG. We invite you to submit abstracts related to bone and mineral metabolism, to be considered for oral presentation. Abstracts may have up to 2600 characters (includes spaces and title). This does not include the author’s name, institution and upload of tables and images (same as abstracts submitted to the main PES meeting).

Please submit abstracts by February 28th, 2018 to gafnir@mail.nih.gov. Abstracts previously submitted to PAS for the January 3, 2018 deadline may be resubmitted to SIG meeting. Chosen abstracts will be limited to those not selected for oral presentation at the main meeting. Late breaking abstracts should be submitted to both the SIG and the main PES program to be considered for presentation at the SIG.

Best regards,

Rachel I. Gafni, Chair
Madhusmita Misra, Board Liaison
Sasigarn Bowden and Cemre Robinson, Members

PES International Scholar Award

The PES is now accepting applications for the PES International Scholar Award. The award is designed to allow for pediatric colleagues interested in endocrinology from foreign countries to visit and work in the clinics and laboratories of PES members and to attend the PES annual meeting, with a particular goal of helping younger colleagues and individuals from countries with disadvantaged economies.

The deadline for applications is April 1, 2018 for 2019 awards for the applicant to be in North America in the spring of 2019.

Click here to apply.

History tidbit provided by Walter L. Miller

JB Collip and the isolation of pituitary hormones

In 1933, James Bertram Collip, who had devised the insulin purification procedure that netted the Nobel Prize for Banting & MacLeod, prepared several anterior pituitary hormone fractions of varying purity (Lancet 222(5727): 1208-1209, 1933). As the pituitary extract was concentrated, the first material to precipitate was termed ‘Q extract’. Assaying fractions in the hypophysectomized rat model described by Philip E. Smith (Am J Anat 45:205-273, 1930), he showed that ‘Q extract’ was a powerful growth hormone free of gonadotropic, thyrotropic or adrenotropic activities. Once the Q extract was recovered, he removed prolactin by isoelectric precipitation, then prepared TSH by salt precipitation and fractionation with alcohol/acetone. ACTH was then precipitated at pH 5 in 75% acetone (Lancet 222(5237): 347-348, 1933).

Endocrine Image of the Month

Severe Polyostotic fibrous dysplasia

15 year old boy with severe progressive deformities of long bones, and scoliosis. He also had multiple irregular (“coast of Maine”) café au lait spots which appeared after birth. Past history was significant for progressively enlarging multinodular goiter with suppressed TSH treated with thyroidectomy. He had had multiple fractures in the areas of fibrous dysplasia. He received pamidronate for several years which helped with bone
pain but did not alter the fibrous dysplasia. At 13 years, he was unable to walk and no longer able to sit comfortably due to the leg deformities. He underwent lower leg amputations. Leg pain subsequently resolved. He is now mobile in his wheelchair. In the last year he has evidence of urinary phosphate wasting with markedly elevated alkaline phosphatase levels.

These findings are consistent with McCune Albright syndrome, typically caused by an early embryonic postzygotic somatic activating pathogenic variant in GNAS (encoding the cAMP pathway-associated G-protein, Gsα), and characterized by involvement of the skin, skeleton, and certain endocrine organs. Multinodular thyroid disease with or without hyperthyroidism, gonadotropin independent precocious puberty (which this boy did not have), neonatal hypercortisolemia associated with nodular adrenal disease, growth hormone excess, and FGF23 mediated phosphate wasting may occur. The incidence is 1 in 100,000 to 1 in 1,000,000. As it is due to a somatic mutation, it is not inherited and vertical transmission has not been reported.

Thanks to Danielle Gomez, MD for sharing the radiograph.

https://www.ncbi.nlm.nih.gov/books/NBK274564/

Click here to view the image of the month.

COMING SOON! New Ethics Corner
The PES Ethics SIG is pleased to announce our new bimonthly contribution to the Newsletter for 2018. Our goal is to highlight the ways in which the core principles of bioethics are relevant to the current practice of pediatric endocrinology. We will include links to our online case-based modules, created by our members as a tool for faculty to use in fellow education. We plan to submit our first entry for the next Newsletter.

Sincerely,

Mary Min-Chin Lee, MD
PES President

Dorothy Shulman, MD
PES Board Member