

## Message from the Chair



Dear Proteomics and Metabolomics Division member,

With the 2018 AACC annual meeting fast approaching, I am excited to share information about Division-sponsored events taking place at the annual meeting as well as numerous other events featuring proteomics and metabolomics.

This year, our **Annual Division Mixer and AGM will take place on Sunday July 29<sup>th</sup> at 1:00 PM** at the Hyatt Regency Hotel attached to McCormick Place Conference center (details below). Please join us for coffee, tea and snacks, and the opportunity to network with your fellow Division members. The mixer occurs right before the opening of 'special session' of the annual meeting and is therefore a great place to plan to meet up with colleagues. This year we are doing something special and inviting non-members to join for the second half of the mixer – so please share this newsletter with any non-Proteomics & Metabolomics Division members and have them meet us at the mixer!

There is an incredible amount of proteomics and metabolomics content and this year's annual meeting; several of these events are highlighted below and there are many more great workshops, brown bags and symposium to be found in the program.

At this time, I would like to acknowledge the members of our division leadership and all the work they have contributed to our division: Drs Ravinder Singh (chair-elect), Danni Li (secretary), Alex Rai (treasurer), Ashley Beasley Green (awards chair), Valentinas Gruzdis (artery moderator), and Erin Kaleta (nominating committee) and Edward Leung (nominating committee). A special thank you to Zahra Shajani Yi (member-at-large) who has put together this newsletter, which is a fantastic resource for navigating the annual meeting.

On behalf of the entire leadership of the Division, I want to thank you for your participation in the Proteomics and Metabolomics Division and I look forward to catching up with you at the Division Mixer!

Sincerely,

Mari DeMarco, PhD, DABCC, FAACC, FCACB  
*Chair, Proteomics and Metabolomics Division*

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## Annual Meeting Events Sponsored by the Proteomics and Metabolomics Division

### Proteomics and Metabolomics Division Mixer & Annual General Meeting

**Sunday, July 29, 1:00-3:15 pm at Hyatt Regency McCormick Place-Adler C (Level 2)**

Connected to the McCormick Place Conference Center

**Schedule:** 1-2 pm: Proteomics and Metabolomics Division members only mixer & AGM  
2-3:15 pm: Mixer — Open to all AACC members

**Cost:** FREE! Registration not required.

The mixer venue is connected to the McCormick Place Conference Center and will take place before the special session “Investigating Startups in the Medical Testing Space: Lesson Learned” by John Carreyrou of the Wall Street Journal at the conference venue. This is an excellent opportunity to meet with your fellow division members and colleagues before the session and find out what is planned for the next year.

We hope to be able to speak to all of you individually to find out what other events and opportunities you would like to see from the Division. Please come speak to the Division leadership if you are interested in becoming more involved!

### AACC Opening Mixer: Division Network Event

**Sunday July 29<sup>th</sup>, 6:45-8:00 pm at the Hyatt Regency Ballroom**

Current AACC members and non-members can visit booths set up by all of the AACC Divisions to learn more about the various benefits of being a Division member. Please stop by the Proteomics and Metabolomics booth as we have some great prizes to giveaway!

### Symposia

**Monday, July 30<sup>th</sup>, 10:30 am-12:00 pm**

**Quantitative Protein Mass Spectrometry: A Step-by-Step Guide to Designing Your First Assay 32106**

This session uses a participatory approach to introduce practical quantitative investigation of peptides and proteins by mass spectrometry. This session will focus on hands-on training (attendees must bring a Wi-Fi-enabled laptop) in setting up a quantitative protein mass spectrometric method.

*Speakers: Dr. Mari DeMarco and Dr. Junyan Shi*

**Tuesday, July 31<sup>st</sup>, 2:30-5:30 pm**

**Opportunities for Clinical Chemists in Precision Oncology Multi-Omic Clinical Trials (AACC-NCI Symposium) 33221**

Precision medicine aims to improve the diagnosis and treatment of cancer. However, research now shows the integration of genomics with proteomics (proteogenomics), revealing new knowledge inaccessible by NGS. Session will discuss mass spectrometry in therapeutic drug monitoring; discuss proteogenomic tests in clinical trials; and review FDA’s approach to ‘omics tests.

*Speakers: Dr. Henry Rodriguez, Dr. Nigel Clarke and Dr. Karin Rodland*

**Wednesday, August 1<sup>st</sup>, 10:30 am-12:00 pm** *Late breaking symposium!*

**Precision Medicine: From Novel Biomarkers to Blockbuster Drugs: 34120**

This session explores how to successfully identify novel protein biomarkers for unmet clinical needs and translate them into diagnostic assays for routine use. To drive this point, we will present key diagnostic advances in the areas of immuno-oncology (programmed cell death 1 ligand, (PD-L1)), fibrillary glomerulonephritis and immunoglobulin light chain amyloidosis.

*Speakers: Dr. Kenneth Emancipator and Dr. Surendra Dasari*

## Division Poster Walk—Led by Dr. Erin Kaleta

**Wednesday August 1<sup>st</sup>, 12:30-1:30 pm: McCormick Place Convention Center Expo floor**

Tour meets in Grand Concourse Lobby and will be lead by Dr. Erin Kaleta.

## Even More Proteomics and Metabolomics at the 2018 Annual Meeting!

### Plenary

Monday, July 30<sup>th</sup>, 8:45-10:15 am

**Genetic Defects in Bile Acid Synthesis Causing Liver Disease— Diagnosis and Treatment— Translational Medicine from Mass Spectrometry: 12001**

*Speaker: Dr. Kenneth Setchell*

### Brown Bags

Monday, July 30<sup>th</sup>, 7:30-8:30 am/12:30-1:30 pm

**Quantitative Analysis of Low-Abundance Protein Targets by Immuno-Affinity Enrichment and Multiple Reaction Monitoring: 42109/52209**

*Speaker: Dr. Wenfang Wu*

Monday, July 30<sup>th</sup>, 7:30-8:30am/12:30-1:30pm

**Next-Generation Clinical Mass Spectrometry Here and Now: 42110/52210**

*Speaker: Dr. Steven Wong*

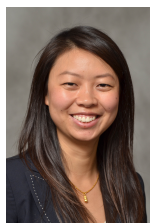
## Research Highlights

### 2018 Division Abstract Awards



*Proteomics Abstract Award Winner: Imad Tarhoni*

Novel Tissue-specific Autoantigens Associated with Clinical Outcomes in Response to PD-1/L1 Directed Immunotherapy in NSCLC



*Metabolomics Abstract Award Winner: Danni Li, PhD, DABCC*

Association of Plasma Metabolites with Brain MRI Measures in the Atherosclerosis Risk in Communities-Neurocognitive Study (ARIC-NCS)

## Communicating via the Artery

By *Valentinas Gruzdis, Artery Moderator*

### What is Artery?

The AACC Artery is an online community of laboratory professionals that facilitates networking, sharing of new ideas and information, and discussions of best practices.

### How is the Division using the Artery?

We use our Division's site on the Artery to communicate with our members on topics including division activities, nominations, awards, and the latest scientific advancements in our field. Posting on division Artery page is also a great way to engage with other division members and communicate with the division leadership.

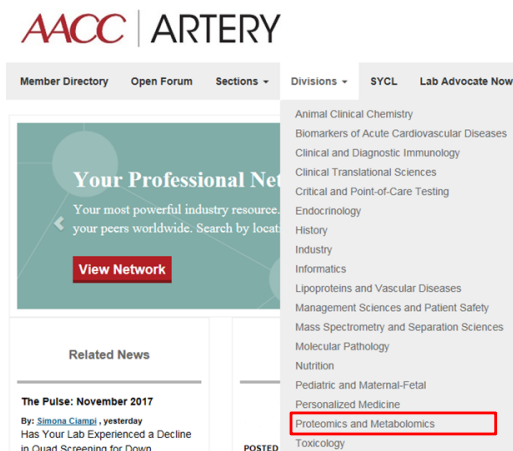
### How do I keep up-to-date on Division activities and opportunities?

Sign up to receive daily Proteomics & Metabolomics Division digests:

**Step 1: go to:**

<https://artery.aacc.org/home>

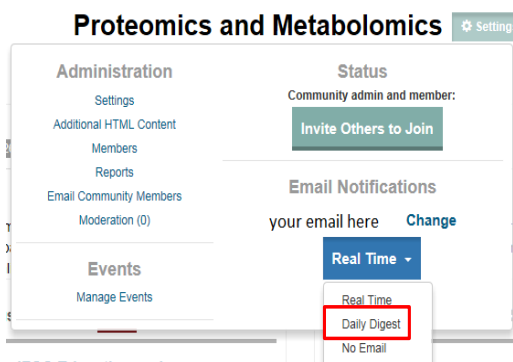
**Step 2: select our division:**



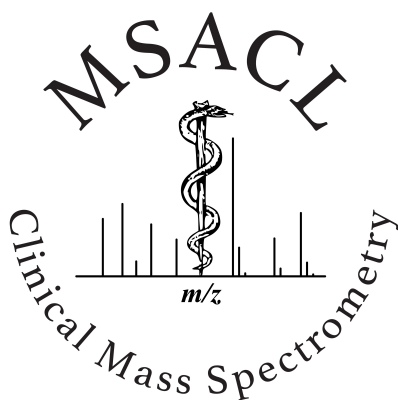
**Step 3. click on settings:**

Proteomics and Metabolomics 

**Step 4: select email notifications (your preference):**



## Division Sponsor



## 2018 Division Leadership



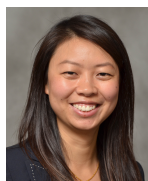
**Mari DeMarco**  
Chair



**Ravinder Singh**  
Chair-elect



**Alex Rai**  
Treasurer



**Danni Li**  
Secretary



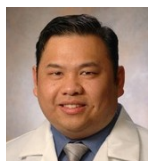
**Zahra Shajani Yi**  
Member-at-large



**Ashley Beasley Green**  
Awards chair



**Erin Kaleta**  
Nominating committee



**Edward Leung**  
Nominating committee



**Valentinas Gruzdy**  
Artery moderator



**Michael Bennett**  
Past chair