



## President's Message



Wendy Haines

Welcome to another exciting year in the CaSA ISPE Chapter. After our successful board orientation, plans are coming together for education and networking events you won't want to miss. We also want to hear from you, our Members, on how we can best connect people in the pharmaceutical world to meet, network and learn. The entire board would be happy to hear your thoughts and ideas at our Annual Planning Session for Members and

potential Members on August 30 at the PNC Arena. It is free to attend, but please still register on our website and hear about what's in the works for the coming year.

- In addition to networking opportunities at our popular Therapeutic Thursday's (TT) held in North Carolina and Georgia, we will also host TT in Florida this year.
- On October 11, please join us at West Pharmaceutical in Kinston, NC for a tour and education session about this 2016 Facility of the Year (FOYA) Honorable Mention Winner.
- Mark your calendars now for our 25th Annual Technology Conference at the Raleigh Convention Center on March 13, 2018.
- Golf Enthusiast will want to attend our Annual CaSA Golf Tournament at Prestonwood Country Club May, 2018.
- Back by popular demand, we will host a CaSA Durham Bulls Event for members and their families in 2018. Be on the lookout for details regarding this event.

I want to take this time to thank our outgoing Board Members: Amy Lineberry, CPIP; Marisol Hydock; Chip Chappell; Andy Ferrell; and Wes Robbins. I appreciate your time, service and commitment you have given to CaSA and hope to see at CaSA events. I would also like to welcome our new Board Members: Catherine Bays, Jason Kelly, Chris Small, David Davis, David Smith and Mark Yates. I'm looking forward to getting to know you and working with you. Last but not least..I'd like to thank our continuing Board members (see board list below) for their ongoing service to the Chapter.

With our Members, Board of Directors, Sponsors and Volunteers, we will accomplish great things as a Chapter over the coming year! Aristotle once said, "For the things we have to learn before we can do them, we learn by doing them." Thus, I encourage everyone to "Do CaSA ISPE."

*Wendy Haines, PhD*  
President, ISPE CaSA Chapter

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## TIME TO CAST YOUR

# VOTE

### 2017 - 2018 ISPE INTERNATIONAL BOARD OF DIRECTORS ELECTION

— Vote by 13 September 2017 —

You have the opportunity to choose representatives to fill open seats on ISPE's International Board of Directors.



It's an important position! The Board creates the Society's vision, establishes Society policies, and controls Society business.

Look for your electronic ballot via email\* in late July.

*\*Email will be sent by Intelliscan, Inc., our independent outside election partner. Please add @intelliscaninc.net to your "safe sender" list to ensure you receive your official email ballot.*



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## Board of Directors 2017

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Mike Putnam

**Treasurer**  
LeAnna Pearson Marcum

**Secretary**  
Rich Stanfield

**Past President**  
Lisa Kerner

**Directors**  
**Director at Large**  
David A. Davis

**Director at Large**  
Mark Yates, PhD

**Director at Large**  
David Smith



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# Membership Corner

## Membership Development Committee

By Mark Davies, Membership Development Chair

The membership committee is working on a plan to better organize ourselves and spread the responsibilities to the various members to ensure that every committee member is fully involved and has a set task. These changes within the

membership committee will be rolled out at the annual planning meeting at the end of the month.

If you have any question about ISPE or the CaSA Chapter, please contact me at [membership@ispecasa.org](mailto:membership@ispecasa.org).

## Welcome New Members

New Members who joined Jun 6, 2017 through Aug 6, 2017

Hanan Ahmed  
Mr. Jason Ary  
Mr. James V. Bailey  
Mr. Zacharie Barrett  
Lourdes Bermejo  
Jason Cohen, BA  
Crystal Coleman  
Bria Dawson  
Richard Floyd, II  
Juan David Giraldo Munera, Mech. Eng.  
Jeff Holland  
Beverly Vail Jones, MBA

Cari Kollman  
Richard Lavallee  
Cliff Lee, BS  
Dr. Wade N. Mack, II  
Grant Meczka  
Mr. Akshay N. Nadkarni, MS  
Mr. Josh Curt Pinwar  
Girly Ramirez, PhD  
Anthony Shriner  
Robin Sun, MS  
Rachel Tabbi  
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**Would you like to see  
your name  
in the newsletter?**  
(See page 14 for more details.)

**TIME TO CAST YOUR**



**2017 - 2018 ISPE INTERNATIONAL  
BOARD OF DIRECTORS ELECTION**  
— Vote by 13 September 2017 —

You have the opportunity to choose representatives to fill open seats on ISPE's International Board of Directors.





# Membership Corner

## Young Professionals Committee

*By Mariessa Perez, Young Professionals Chair*

The Young Professionals would like to congratulate and welcome the incoming chairs and elected board members to the ISPE-CaSA board!

Earlier this summer, the Young Professionals committee hosted their 2nd Annual Young Professionals Night at Boxcar Bar + Arcade in Downtown Raleigh. A mixture of 41 YPs, students, and industry professionals came for a fun evening filled with pizza, games, and casual networking! We'd like to extend a thank you to our platinum sponsor IPS for helping us make this event possible. The aim of the Young Professionals committee to host more educational and social events geared towards our young professional audience. If you have any input or are interested in becoming more involved with the ISPE-CaSA Young Professionals committee or chapter, please feel free to join us at the Annual Planning meeting on Wednesday August 30th, 2017 from 3-6 pm.

[Registration](#) is free! 🏠



# Membership Corner

## 2018 Technology Conference

*By Chris Small, Technology Conference Chair*


Next year's ISPE-CaSA Life Sciences and Technology Conference will occur on Tuesday, March 13, 2018. It will be our 25th annual conference, and we want it to be the best one yet!

We are looking for additional Technology Conference committee members. Please contact Chris Small, [csmall@clarknexsen.com](mailto:csmall@clarknexsen.com) if you are interested in helping make the 25th Anniversary Technology Conference a memorable one!

The website will be launching soon for those who provided early booth deposits to have first choice of booth selection. We had record response to the early deposits and booths will sell out quickly. Additionally the website will allow others to


purchase tables and sponsorships. Keep an eye out for our weekly eBlast for more updates.

Our website is nearly ready for abstract submissions. Everyone will be able to submit their abstracts and session ideas through the website, which should make things more seamless for everyone. The planning for the Keynote Address, Charity Donation, and Networking Reception are also underway. Stay tuned for additional information and announcements!

We look forward to seeing you March 13th at the Raleigh Convention Center! 

## Social Media Committee

*By Daniel Santarsiero, IT/Social Media Chair*

Our Social Media presence is growing! We've gone from 94 followers to 2,378 in the last year (July 2016 to July 2017). There are a number of avenues for our ISPE Members to get valuable information. Check out our page on [LinkedIn](#)! 




**FOYA** 2018  
Facility of the Year Awards  
**SUBMIT YOUR PROPOSAL TODAY!**  
2018 Deadline: 20 November 2017  
For more information, visit:  
[www.facilityoftheyear.org](http://www.facilityoftheyear.org)



**2017 - 2018 ISPE INTERNATIONAL  
BOARD OF DIRECTORS ELECTION**

**Vote by 13 September 2017**

**You have the opportunity to choose representatives to fill open seats on ISPE's International Board of Directors.**



It's an important position! The Board creates the Society's vision, establishes Society policies, and controls Society business.

Look for your electronic ballot via email\* in **late July**.

\*Email will be sent by Intelliscan, Inc., our independent outside election partner. Please add @intelliscaninc.net to your "safe sender" list to ensure you receive your official email ballot.



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# Membership Corner

## Upcoming Networking Events

By Kevin Debbs, Networking Chair

The tables below identify the upcoming Therapeutic Thursday events for the remainder of 2017. Registration is now open to book a Therapeutic Thursday for 2018. Companies interested in sponsoring a Therapeutic Thursday should contact our chapter manager using the information below and complete a

Sponsorship Form with payment to reserve a date for an event. Inquiries and Sponsorship Forms should be submitted to: ISPE-CaSA, 1500 Sunday Dr., Ste 102, Raleigh, NC 27607, Phone: (919) 573-5442, Fax: (919)787-4916, [info@ispecasa.org](mailto:info@ispecasa.org)



Date	RTP Area		
	Sponsor	Venue	Location
31-Aug-17	AlfaNordic	Carolina Ale House, Briar Creek	7981 Skyland Ridge Pkwy, Raleigh, NC 27617
28-Sep-17	PCI	TBD	Greenville, NC
26-Oct-17	PCI	TBD	Raleigh, NC
30-Nov-17	CAI	TBD	

Date	Atlanta Area		
	Sponsor	Venue	Location
31-Aug-17	CAI	Barleygarden Kitchen & Craft Bar	900 Avalon Blvd., Alpharetta, GA
28-Sep-17	NNE	TBD	
26-Oct-17	Harrington PURE	TBD	
30-Nov-17	Available		

Date	Florida		
	Sponsor	Venue	Location
31-Aug-17	Harrington Pure	Blackfinn Ameripub	4840 Big Island Dr. Jacksonville, Fl., 32246
28-Sep-17	Available		
26-Oct-17	CAI	TBD	Tampa
30-Nov-17	Available		





# Benefits of ISPE Membership to Global Regulators

**G**lobal Regulators can join ISPE on a complimentary basis to gain access to the most effective means for engaging industry in discussion about the various ways industry interprets GMPs, regulations, best practices, and ensuring quality systems.



## ***Additional benefits to Regulators for joining ISPE include:***

- Complimentary Membership for Regulators (or pay just \$119/€99 for those Regulators who are not permitted by their agency to receive complimentary Membership).
- Valuable resources:
  - ISPE Guidance Documents, Concept Papers and Discussion Papers
  - ISPE Quality Metrics Pilot Program Reports
  - ISPE Drug Shortages Tools and Publications
  - Product Quality Lifecycle Implementation (PQLI®)
  - Cultural Excellence Report
  - Blend and Content Uniformity Tools
- Subscription to ISPE's *Pharmaceutical Engineering* magazine and the opportunity to publish articles as a means for communicating with industry in a neutral environment.
- Access to technical discussions and content within ISPE's technical network – Communities of Practice. You may either just observe or actively participate. Like all ISPE members, you would be doing so as an individual and not an official.
- Connect at the local level: dozens of ISPE Affiliates and Chapters around the world offer programs in the local language and provide opportunities that will keep you abreast of the latest happenings in the industry on a regional level.
- Ability to receive training customized for the specific needs of Regulators.
- Become better known and build rapport with professionals responsible for GMPs, risk management, quality systems, and more.

**For more information** [www.ISPE.org/Member-Benefits](http://www.ISPE.org/Member-Benefits)  
To join, contact ISPE at [ask@ISPE.org](mailto:ask@ISPE.org) or +1-813-960-2105

# Membership Corner

## Student Affairs Committee

*By Catherine Bays, Student Affairs Chair*

It is a NEW START as the SAC bids farewell to the previous chair, Marisol Hydock, and welcomes its new Chair, Catherine Bays.

Catherine has been a member of ISPE since her student days in 2007, and she was one of the first members of the NCCU Chapter. She has been a member of the CaSA SAC for the past couple of years and served as a Co-chair for the NCCU-ISPE Chapter Community Outreach Committee as a student. She been working with Mangan Biopharm as a Validation Specialist since March 2015, and spent five years with Merck as an Operations Technician prior to this.

As students begin to return to classes over the next few

weeks, the SAC is looking forward to another successful year beginning with a shared networking event with the YP Committee around 11 September 2017. Details are still being planned.

The SAC is also anticipating welcoming a new Georgia Tech Student Chapter in 2017, pending completion and approval of the application process.

Finally, one or two additional events will be planned for the SAC and sponsors will be sought. These requests will be posted in the eFlashes once the SAC has a chance to meet and plan. 🏠

## CaSA COMMITTEES 2017

### Education

Rachel Leahy

### Student Affairs

Catherine Bays

### Young Professionals

Mariessa Perez

### Newsletter

M. Jason Kelly, Ph.D.

### Membership Development

Mark Davies

### Technology Conference

Chris Small, PE

### IT/Social Media

Dan Santarsiero, PE

### Networking

Kevin Debbs, CPIP



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### 2017-2018 ISPE-CaSA Board Orientation

Board members present were (left to right) Front Row: David Smith, Lisa Kerner, LeAnna Pearson Marcum, Dan Santarsiero, Wendy Haines, Rachel Leahy, Claudia Carroll (Chapter Manager), and Mariessa Perez; Back Row: Catherine Bays, Chris Small, Rich Stanfield, Mike Putnam, David Davis, Mark Davies, Jason Kelly, and Mark Yates. Missing: Kevin Debbs



# Membership Corner



## Learn from Subject Matter Experts and Top Pharmaceutical Industry Leaders with ISPE Training



### Instructor Spotlight:

**Stephanie Wilkins, PE, Lean Six Sigma Green Belt**, is an ISPE trainer for Managing Cross Contamination and Risk-MaPP Principles. She has over 30 years of professional experience in project management, risk management, engineering, and validation solutions. A member of ISPE since 1993, she is the Co-Chair of the [ISPE Risk-MaPP Baseline® Guide](#) Task Team and was a member of the ISPE International Board of Directors. Currently she is the President of PharmaConsult US.

Learn firsthand from Stephanie Wilkins by registering for the updated [Managing Cross Contamination with Risk-MaPP](#) training course, 6 – 7 November in Tampa, Florida.

The [ISPE Baseline® Guide: Risk-Based Manufacture of Pharmaceutical Products \(Second Edition\)](#) is now available in book or PDF format.

### September 2017

Tampa, FL USA

- Commissioning and Qualification  
7 – 8 September
- GAMP®\*\* Data Integrity 21 CFR Part 11  
11 – 13 September
- Quality Risk Management  
18 – 20 September
- Process Validation  
25 – 27 September

### October 2017

Tampa, FL USA

- Overview Biotechnology Mfg. Processes  
2 – 3 October
- Pharmaceutical Technology Transfer  
5 – 6 October
- GAMP®\*\* 5 GxP Compliance  
12 – 13 October

### November 2017

Tampa, FL USA

- Process Validation Biotechnology Manufacturing  
1 – 2 November
- Basic GAMP®\*\* 5, Annex 11/ Part 11  
1 – 3 November
- Managing Cross Contamination with Risk MaPP  
6 – 7 November
- CIP System Design, Integration and CIP Chemicals  
13 – 14 November
- ICH Q7A GMPs for Active Pharmaceutical Ingredients  
16 – 17 November

(continued next page)

# Membership Corner

## September 2017

### Amsterdam, Netherlands

- Cleaning Validation Principles  
25 – 26 September
- Biotechnology Mfg. Facility Design  
25 – 26 September
- Basic GAMP®\*\* 5, Annex 11/ Part 11  
25 – 27 September
- GMP Sterile Pharmaceutical Manufacturing Facility  
27 – 28 September
- GAMP®\*\* 5 GxP Compliance  
27 – 28 September
- Commissioning and Qualification  
27 – 28 September

## October 2017

### Boston, MA USA

- Pharma Water Generation USP WFI and PW  
23 – 24 October
- Cleaning Validation Principles  
23 – 24 October
- Biotechnology Mfg. Facility Design  
23 – 24 October
- HVAC CGMP Regulations  
23 – 24 October
- Storage/Qualification of Pharma Water  
25 – 26 October
- Pharmaceutical Facilities Management\*  
25 – 26 October

### Manchester, United Kingdom

- Pharmaceutical Water Systems  
23 – 24 October

## November 2017

### Manchester, United Kingdom

- GAMP®\*\* Data Integrity 21 CFR Part 11  
13 – 15 November
- Pharmaceutical Transfer Technology  
20 – 21 November

## Share with a Colleague!

Unable to attend? Share this email with a fellow colleague who may be interested in a training course. In return, they can share all that they learned with you.

Don't forget—ISPE also offers [online learning](#) and [onsite training](#) opportunities. View our [global calendar](#) for a complete list of 2017 training courses.



\*ISPE has been reviewed and approved as a provider of project management training by the Project Management Institute (PMI®)



\*\*GAMP® is a set of guidelines for manufacturers and users of automated systems in the pharmaceutical industry and is a registered trademark of ISPE.



# Personalized Medicine Diagnostics Will Lead the Way!

By Christa Myers

We have been talking about Personalized Medicine for years. "Wouldn't it be better if the medicine that I was taking was designed just for me?" We all know that personalized medicine would greatly benefit individual patients.

So how will we get there?

1. Medical doctors will have to go back to treat patients as individuals. General practitioners have become commodities and have become institutionalized. It takes YEARS to find a practitioner that treats each patient as an individual and not like a case study in some dusty book on a shelf somewhere.

2. Diagnostics will lead the way. The diagnostics side of the industry will be on the leading edge of making personalized medicine happen. There will have to be advanced diagnostics tests that can be used to finely hone in on sensitivities, allergies, reactions to drugs and the like. We can do part of this now, but it will become more specific as we approach a true individualized approach to medicine.

3. Dosage forms will change. In order to personalize medicine, the patient will be the focus. The dosage forms will have to be easy to use and stable at room temperature. Earlier this year at the Interphex show, my colleague and I did a presentation on "disruptive technologies" and discussed many of the new dosage forms being developed; i.e. micro needle intradermal patches, medicines that dose according to your wearable devices, orally dissolving films and forms, etc. They are all aimed at making the patient's lives better and easier and hopefully for less money. This will be key for getting a personalized medicine approach to the patient. Who wants to think so hard about taking a dosage at a certain time a day? Our seniors have to deal with this now and can tell you very specifically how difficult and annoying it is to have to set alarms to remember to take different medicines. Call your grandmom. Ask her. Go ahead - you probably need to call her anyway.

4. The pharmacists' jobs will change. If this goes the way the industry is hoping, the pharmacies that we go to may go through a drastic change. What if an automated compounding and tableting machine can be made for the most common medicines and one tablet per day per patient can be made specifically for that patient? That is the hope. What if we can set differing dosage release times? There is technology coming out with that in mind.

5. The wearable market is changing. All of that data that your fitness tracker can document is useful. The next generation of

wearables are getting more sophisticated – some can detect blood sugar levels, others can detect electrical signature changes in the body. One of the ones that we have looked at lately can actually dose up to seven compounds at different times during the day. It looks like a large bandage. All of this technology can be put to use to provide the patient (or medical staff) with by-the-minute feedback.

6. The equipment in the manufacturing facility will change. Personalized medicine will change the formulations of many medicines to be bio-available specifically for a given person. So instead of machines that will make large batches of a few formulations per year, the machines will need to be able to make small batches of many formulations per year. The cleaning steps between the batches will become more important.

The industry is on its way. Research and development within pharmaceutical companies and within educational institutions are rich with ideas and programs to get closer to the best medications for each of us. It will not happen immediately, the way the politicians want. Neither will it be costless. It is a delicate process, but it is good to see progress.



Christa Myers is a Process Chemical Engineer with 20+ years of experience providing clients with insight as to how codes, past and current regulations and innovative technologies apply to their process and facility designs. With an extensive background in the design of fill finish facilities, chemical kilo labs, pilot plants, API research and manufacturing facilities, bulk pharmaceutical chemical facilities, highly hazardous compound containment, and biotech process facilities, Christa's broad range of expertise benefits her clients in the design of their facilities. Her operating experience with a

leading biotechnology and pharmaceutical company as a Process Engineer in the fermentation and purification suites, as well as pilot scale fill-finish suites, provides her with insight to the reality of daily operations. Christa knows the difference between designing for the large pharmaceutical firms, the contract manufacturing organizations, and the generic companies. The business drivers that lead to decisions on capital budgets are different for each type of company. She is recognized in the relief device design community for her papers and presentations regarding the complexities of applying general relief device design to the highly specialized pharmaceutical industry. Myers has been a frequent presenter at many industry events such as the DIERS Users Group, ISPE Containment Conference and Interphex. She is an Owner Associate / Sr. Pharmaceutical Engineering Specialist at CRB. For more information, please visit <http://www.crbusa.com/christa-myers>.





# ISPE®

## Carolina-South Atlantic Chapter

### Advertising Opportunities in ISPE CaSA 2017 Electronic Newsletter

The ISPE CaSA Chapter produces **six** e-newsletters per year. ISPE CaSA sends out the newsletters via e-mail and via Web link to all of our Chapter Members throughout the Southeastern U.S., which reach top-notch pharmaceutical, biotechnology, and bio-science professionals and managers. These newsletters are also posted on our **Web site** so your ad can be accessed by interested visitors to our site.

The cost for a full color business-card-sized ad is \$1000 per year. There is also the ability of positioning your ad on the front page of the newsletter for an additional \$1000 per year for six issues. Space limits the number of front page to only **four**, and is offered to the first four paid advertisers on a first-come, first-served basis.

Also, if you would you like to have your targeted customers go directly to your website by simply clicking on your ad, a hot-link can be added to your submitted ad file for an additional \$500 for the entire year.

You may choose one of the special offers below (**pro-rated for partial-year advertising**):

**SOLD OUT!** \$2,000 Full-color ad for six issues **on the front page of each newsletter** (\$333/issue)

- ☐ \$2,000 Full-color double-sized ad for six issues (\$333/issue)
- ☐ \$1,000 Full-color ad for six issues (\$167/issue)
- ☐ \$500 Adding a hot link for directing customers to your website by a simple click

We hope you will take advantage of these opportunities and advertise in the 2017 ISPE CaSA e-newsletter.

To reserve a placement of your ad please contact the ISPE-CaSA Headquarters at 919-573-5442 or via e-mail at [info@ispecasa.org](mailto:info@ispecasa.org).

You will be notified via e-mail or telephone when your advertisement has been accepted by the ISPE-CASA Newsletter Committee and asked to submit your advertisement digitally.

Full-color business card-sized ads (3.5" x 2") or double-sized ads (3.5: x 4") may contain your logo or other artwork. Artwork should be sent directly to [newsletter@ispecasa.org](mailto:newsletter@ispecasa.org).

We ask that your text be no smaller than 12 pt so that the text is easily readable in the electronic format. PDF, JPG, or TIF formats, are easiest for us to work with. Space is limited, sign up today!


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## 2017 Newsletter Advertisement Order Form

Company Name:	
Contact Name:	
Billing Address:	
Contact Email:	
Contact Phone:	

Check all that apply:

Note: Ads are business card size- 3 5/8" (w) X 2" (h)

Double-Sized Ads are 3 5/8" (w) X 4" (h)

_____	\$2,000	Full-color ad for six issues on the front page of each newsletter (\$333/issue)
_____	\$2,000	Full-color double-sized ad for six issues (\$333/issue)
_____	\$1,000	Full-color ad for six issues (\$167/issue)
_____	\$500	Adding a hot link for directing customers to your website by a simple click

### Payment:

Make checks payable to: ISPE-CASA

Mail to: ISPE-CASA / Newsletter, 1500 Sunday Drive, Suite 102, Raleigh, NC 27607-5151

Or pay by Credit Card: \_\_\_ VISA                      MasterCard                      AMEX

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## ISPE CaSA Chapter E-Newsletter Ads

### Newsletter Ads Work for Your Business!



Our Chapter produces six e-newsletters per year, and we depend on the support of our advertisers. We send out the newsletters via e-mail and via web link to all of our Chapter Members throughout the Southeastern U.S.

That means you get targeted access to top-notch pharma, biotech, and bio-science professionals and managers. These newsletters are also posted on our website so your ad can be accessed by interested visitors to our site.

Best of all, the cost is only \$750 for your full color, business-card-sized ad for six insertions. That's only \$750 for targeted advertising in full color for an entire year!

## Ask About **HOT LINKS!!**

Would you like to have targeted customers simply click on your ad and get right to your website?

A hot-link can be added to your ad, connecting readers directly to your company website for an additional \$500.00 for a whole year.

If you are interested in advertising with the ISPE CaSA e-newsletter, please contact our Chapter headquarters at:

ISPE-CaSA  
1500 Sunday Drive  
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Raleigh, NC 27607  
919-573-5442  
[info@ispeCaSA.org](mailto:info@ispeCaSA.org)

You will be notified via e-mail or telephone when CaSA Newsletter Committee and asked to submit your advertisement digitally.

Full-color business card-sized ads (3.5" x 2") may contain your logo or other artwork. Artwork should be sent directly to [info@ispeCaSA.org](mailto:info@ispeCaSA.org). We ask that your text be no smaller than 12 pt so that the text is easily readable in the electronic format. PDF, JPEG or TIF formats are easiest for us to work with. Space is limited, sign up today!

## ISPE Carolina-South Atlantic Chapter Newsletter

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## Would you, or someone you know, like to publish your technical content in these pages?

Please submit any and all technical content to [info@ispecasa.org](mailto:info@ispecasa.org) or send directly to our Newsletter Chair at [jason.kelly@cagents.com](mailto:jason.kelly@cagents.com).

### EDITORIAL POLICY

Articles should be written for technical professionals in the pharmaceutical, biotechnology, and medical device industries. The author is responsible for the accuracy and correctness of all statements contained in the manuscript (ISPE Carolina-South Atlantic Chapter assumes no liability.) Manuscripts should be submitted with a brief, three to four sentence synopsis of the article, as well as a brief biographical statement about the author that includes educational background, title and job affiliation, job responsibilities and major areas of accomplishment.

## Would you like to see your name in the newsletter?

Contribute content! We're looking for the following:  
**Reviews of ISPE-CaSA Events**

Did you meet someone inspiring, find a job, or just have a great time at one of our events? Let us know!  
**Lessons Learned**

Have you learned an interesting lesson at work recently? Write it up and share it! Our members are always interested in improving their skills.

### Pharmaceutical Funnies / Biotech Bloopers

Did something entertaining happen at work? Tell us about it! If we laugh, we'll publish it and give you the credit.

Your contributions help us keep the newsletter fresh. You'll get full credit, and bragging rights, when we publish them. We love to hear from you, and our members do, too!

Please send your submissions to [newsletter@ispecasa.org](mailto:newsletter@ispecasa.org) or directly to our Newsletter Chair, Jason Kelly at [jason.kelly@cagents.com](mailto:jason.kelly@cagents.com).

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