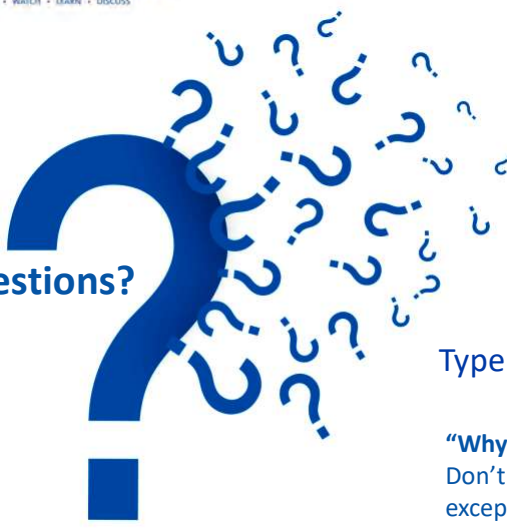



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### Drug Design and Delivery

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The Drug Design Delivery Series has built a collection of the top minds in the field to explain the mechanics of drug discovery. Discover the latest research, receive an overview on different fields of study, and gain insight on how to possibly overcome your own med chem roadblocks.

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Why does food taste better when it is grilled or what molecular compounds make a great wine? Discover the delectable science of your favorite food and drink and don't forget to come back for a second helping.

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### Business & Entrepreneurship

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How do ideas make it from the lab to the real world? Discover the ins and outs of the chemical industry whether you are looking to start a business or desire a priceless industry-wide perspective.

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**What is ACS on Campus?**



ACS visits campuses across the world offering FREE seminars on how to be published, find a job, network and use essential tools like SciFinder. ACS on Campus presents seminars and workshops focused on how to:

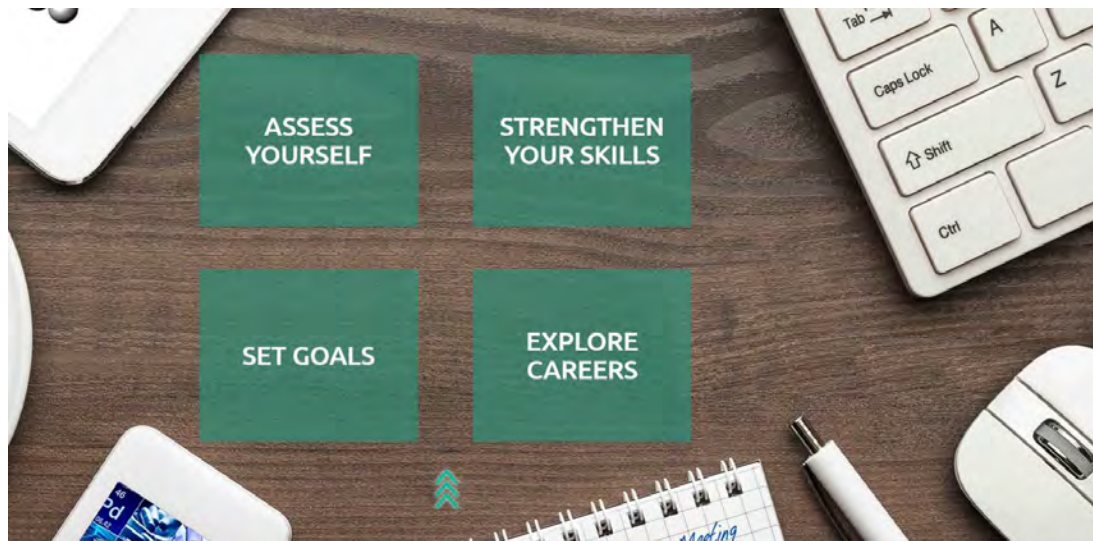


- Publish in top journals
- Find a job
- Effectively use research tools like SciFinder® and ACS ChemWorx
- Communicate your science
- Write grant proposals
- Build industry partnerships
- Prepare for a changing employment landscape

<http://acsoncampus.acs.org>

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An individual development  
planning tool for you!



<https://chemidp.acs.org>

9

## From ACS Industry Member Programs

### ◆ Industry Matters Newsletter

Exclusive interviews with industry leaders and insights to advance your career

Preview & Subscribe: [acs.org/indnews](https://acs.org/indnews)



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Join: [bit.ly/ACSinnovationhub](https://bit.ly/ACSinnovationhub)

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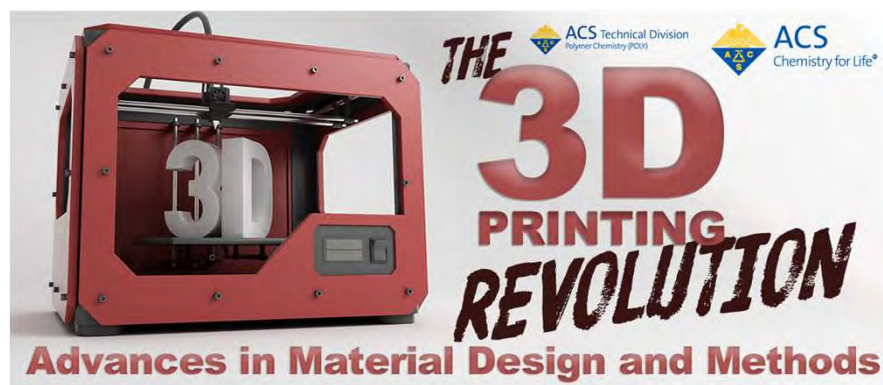


<https://www.acs.org/content/acs/en/acs-webinars/professional-development/patents.html>

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[www.acs.org/acswebinars](http://www.acs.org/acswebinars)





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# How **You** can improve **Global** **Public Health**



THIS ACS WEBINAR WILL BEGIN SHORTLY...

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## How You Can Improve Global Public Health





**Nicole Palmer**  
Manager, Volunteer Operations,  
U.S. Pharmacopeia



**Kim Huynh-Ba**  
Chair, Chemical Medicines 4  
Expert Committee, U.S. Pharmacopeia



**Amjad Anwari**  
Director-Science, Chemical Medicines &  
Excipients, U.S. Pharmacopeia

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*This ACS Webinar is co-produced with U.S. Pharmacopeia.*

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## Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



### Are you familiar with the work of U.S. Pharmacopeia?

- Very unfamiliar (first time I have heard of it)
- Somewhat familiar (I have heard of the USP in name only)
- Familiar (I am aware of their impact on medicine and standards)
- Very familiar (my organization has collaborated with the USP)
- I have contributed to the USP as an expert, candidate, volunteer or staff member

*\* If your answer differs greatly from the choices above tell us in the chat!*

## Welcome: Nicole S. Palmer, MPS



Manager, USP  
Volunteer Operations

### BIO

- 23 years of experience in the communications and technology sector.
- Supports volunteer base comprised of over 1,000 members and government liaisons, which represent 40 countries across the globe.
- Responsible for managing activities within USP Volunteer Operations, including USP's Council of Experts and Expert Committees, while driving quality improvements throughout the Science Division.
- Began her USP career in 2006 and has led and implemented a number of initiatives to streamline processes throughout the organization.
- Holds a BS in Communications from the University of MD Global Campus, and a Master of Professional Studies in Publishing from George Washington University.



## Opening Remarks: Amjad Abdul Anwari, Ph.D.



Director-Science, Chemical  
Medicines & Excipients

### BIO

- Analytical project leader for NCE as well as generics.
- Extensive pharmaceutical experience in analytical research and development for drug substance and drug products in a cGMP environment.
- Thorough understanding of ICH and FDA guidelines.
- Leads team of Chemical Medicines and Excipients Scientific Liaisons as well as Publications staff, ensuring alignment with the overall program unit and organization's goals.
- Previously associated with Pfizer, Johnson & Johnson as well as Cipla to work on NDA as well as ANDA projects.
- Holds FDA-approved certificate for chemical testing as well as instrumental testing. Delivered presentation on Extractables & Leachables in Global Public forum like PDA.

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# Mission

To improve global health  
through public standards  
and related programs that  
help ensure the quality,  
safety and benefit of  
medicines and foods



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## Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



### In what year was U.S. Pharmacopeia founded?

- 1901
- 1820
- 1920
- 1949
- 2010

*\* If your answer differs greatly from the choices above tell us in the chat!*

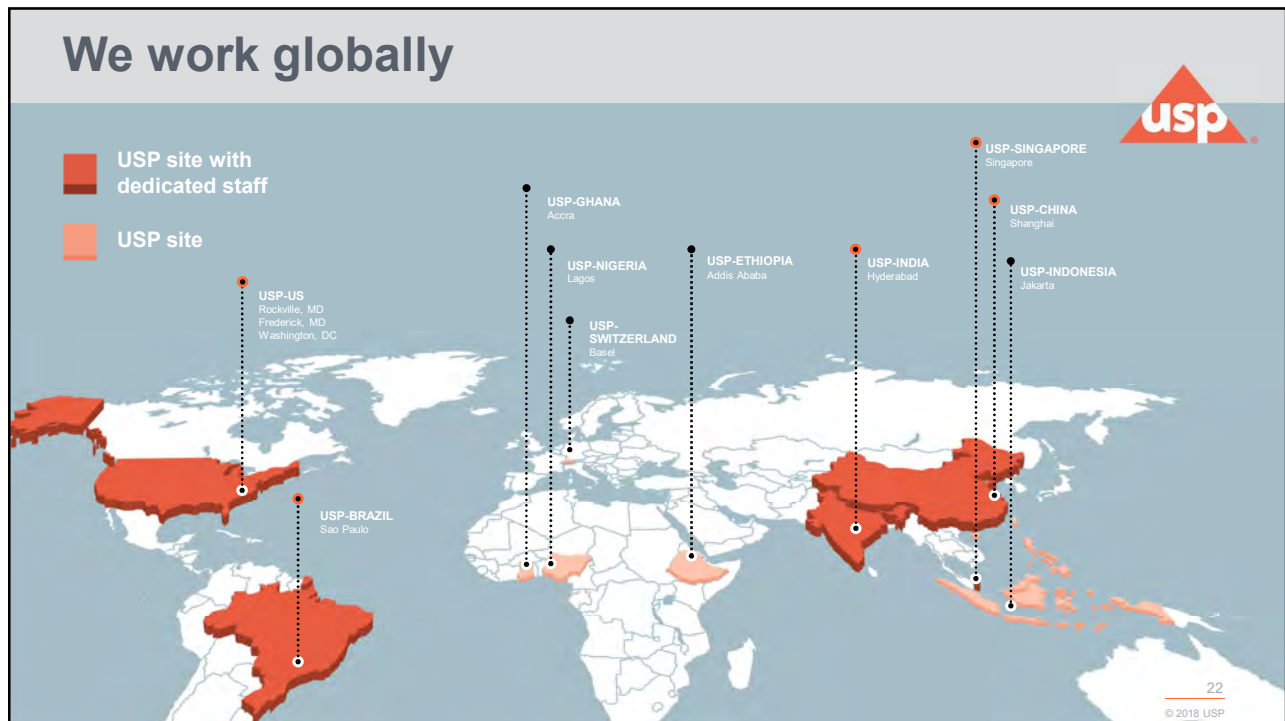
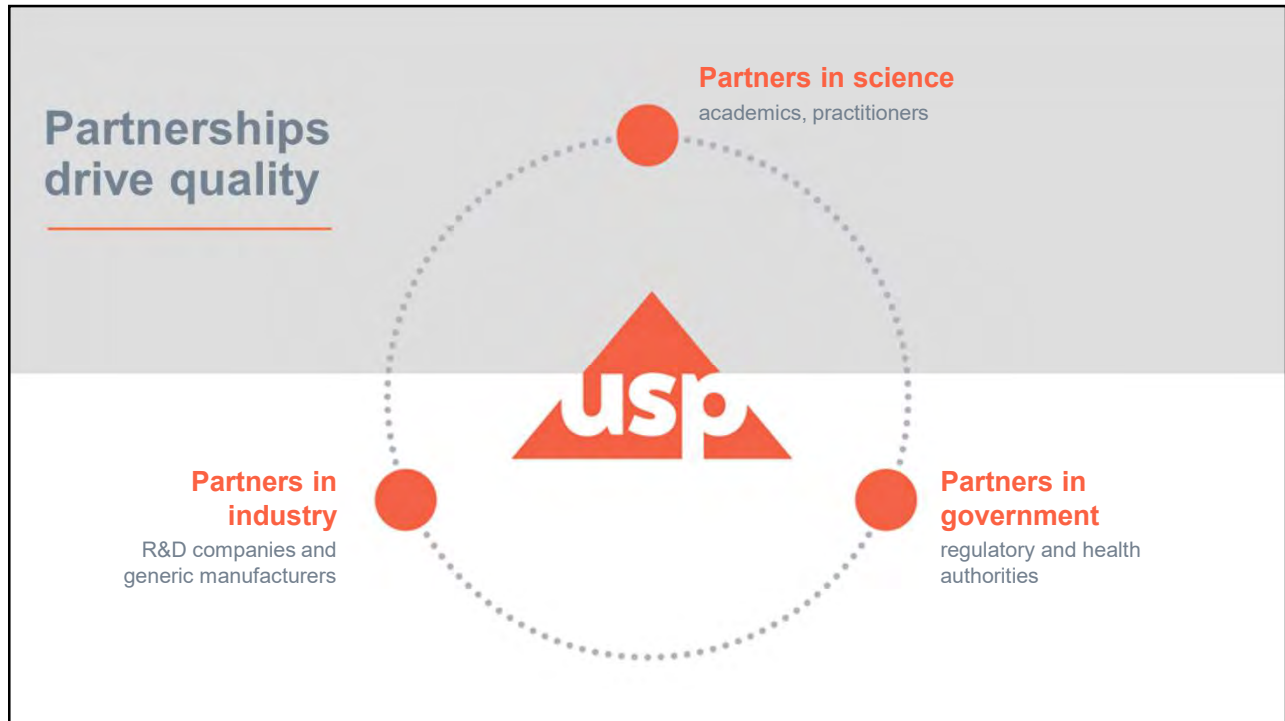
The infographic features a blue-toned background with a woman in a white lab coat and safety glasses walking through a laboratory hallway, holding a document. The USP logo is in the top right corner. Large yellow numbers and text are overlaid on the image.



**200** years building quality foundations for a healthier world

**3,700+** reference standards  
are available in 140 countries

**50,000** people have attended trainings  
on the effective use of USP standards since 2000

**2 billion people**  
around the world have access to quality medicines, dietary supplements and food as a result of our standards, advocacy and education





**1,000+**  
**external experts**  
from industry, governments, nonprofits  
and academia

## Amy Karren, B.Sc.

- ▶ Chair, Chemical Medicines 5 Expert Committee
- ▶ Expert Volunteer: 2008–present



## For quality standards to be impactful, they must be...



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CC3

## The Breadth of USP's Work Can Be Seen through the Scope of Our Expert Committees



### 2020-2025 Council of Experts – Expert Committees

Chemical Medicines	Biologics	Excipients	Dietary Supplements & Herbal Medicines, Food Ingredients	Healthcare Quality & Safety	General Chapters
1 Monographs 1	1 Peptides & Oligonucleotides	1 Simple Excipients	1 Food Ingredients	1 Nomenclature & Labeling	1 Packaging & Distribution
2 Monographs 2	2 Therapeutic Proteins	2 Complex Excipients	2 Non-botanical Dietary Supplements	2 Healthcare Safety & Quality	2 Microbiology
3 Monographs 3	3 Complex Products & Vaccines	3 Excipients Test Methods	3 Botanical Dietary Supplements & Herbal Medicines	3 Compounding	3 Dosage Forms
4 Monographs 4	4 Antibiotics		4 Admission, Evaluation & Labeling	4 Healthcare Information & Technology	4 Chemical Analytical Methods
5 Monographs 5	5 Advanced Therapies				5 Physical Analytical Methods
6 Over-the-counter (OTC) Methods & Approaches					6 Statistics
					7 Measurement & Data Quality

## Slide 26

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**CC3** Nicole - I updated the slide and notes.

Claudia Costabile, 3/23/2020

## USP – Public standards

*USP standards used in over 140 countries*



Go to [www.usppf.com](http://www.usppf.com) to access the PF

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## Andy Stergachis, Ph.D.








- ▶ Chair, Surveillance + Screening Technologies for the Quality Assurance of Medicine
- ▶ Expert Volunteer: 2015–present

NSP5

# Call for Candidates

## 2020-2025

Central to USP's achievements are the contributions of countless professionals, who volunteer their time and knowledge in USP's Council of Experts and Expert Committees and Panels.

Our [Call for Candidates](#) is now open.

Join other motivated colleagues to help us set the standards that make it possible for 2 billion people around the world to have access to quality medicines, foods and dietary supplements.

Contact us at [USPVolunteers@usp.org](mailto:USPVolunteers@usp.org)

## USP 2020-2025 Call for Candidates

### ▶ What is the USP Call for Candidates?

- Every five years USP recruits dedicated leaders and healthcare practitioners from science, medicine, industry, and academia to volunteer for the Council of Experts and our Expert Committees.
- Candidates will complete an online application process and be thoroughly vetted by USP staff and elected Expert Committee Chairs.
- Ultimately these volunteers will help develop and update USP standards and contribute to advancing global public health by improving and sustaining healthcare systems around the world.



## Slide 29

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**NSP5** New slide, replaced former Slide 29.

Nicole S. Palmer, 3/27/2020

## Applying for the 2020-2025 Call for Candidates? (cont.)

### ▶ Select “Apply Now”

Apply Now

Volunteer applications are now being accepted for USP's 2020-2025 cycle. You can start that process now by choosing [your area of expertise](#) and completing an expert profile.

### ▶ Complete your candidate profile

- Enter basic information
- Select your areas of expertise
- Upload your CV/Resume
- Write a personal statement explaining your interest in becoming a USP volunteer

#### Areas of Expertise \*

- Analytical and Scientific Expertise
  - Assays
  - General
  - Microbiology
  - Physical Properties
  - Reference Standards
  - Statistics
  - Technologies and Techniques
  - Wet Chemistry/General Chemical Analysis
- Manufacturing and Quality Expertise
- Product Class and Category Expertise
- Regulatory Expertise

### ▶ Apply for volunteer opportunities

- 17 different opportunities for Chair and Member positions
- Website will also recommend positions for which you might be qualified based on your areas of expertise

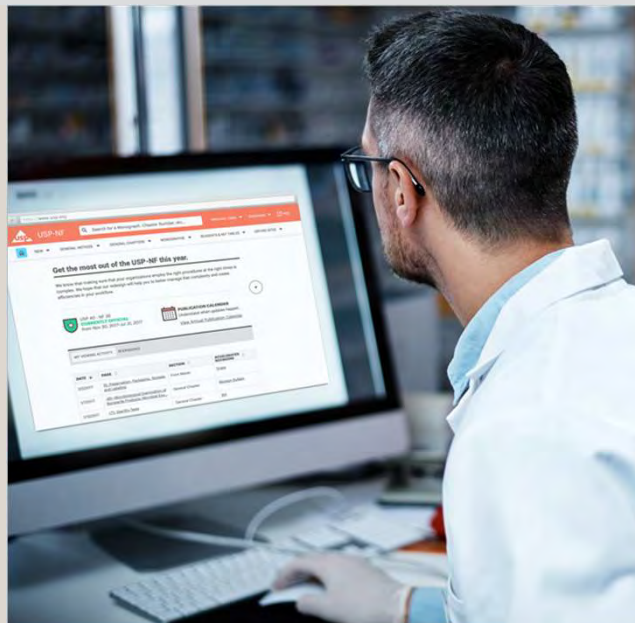
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## Need More Information?

To learn more about the 2020-2025 Call for Candidates:

- ▶ Visit: <https://callforcandidates.usp.org>
- ▶ Email: [USPVolunteers@usp.org](mailto:USPVolunteers@usp.org)



## Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



### How many countries are represented by USP's volunteer body?

- Just in the United States
- 5
- 12
- 40
- Every country in the world

*\* If your answer differs greatly from the choices above tell us in the chat!*

## What Does a USP Volunteer Do?

- ▶ Helps develop and approve USP standards for quality medicines, dietary supplements, and foods
- ▶ Serves as an advocate for USP's mission to improve global public health
- ▶ Commits time and effort to participate in Expert Committee activities
  - Engages in robust discussion
  - Considers regulatory framework
  - Challenges constructively



## Glaucia Karime Braga, Ph.D.

- ▶ Member, USP General Chapters–Packaging + Distribution
- ▶ Expert Volunteer: 2015–present



## My Experience as a Volunteer: Kim Huynh-Ba, B.Sc.



Chair, Chemical Medicines 4  
Expert Committee

### BIO

- 28 years of experience in the quality management system, project management, strategic drug development, and stability sciences
- Executive Director of [Pharmalytik](#)
- Adjunct Professor at Temple University-School of Pharmacy, Widener University and Illinois Institute of Technology
- USP Expert volunteer for over a decade, on various volunteer groups
- ACS member for over 25 years; currently Alternate Councilor of the ACS Delaware Section, and has been an ACS instructor for over 10 years, teaching several education courses for ACS National

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## My Experience as a Volunteer: Kim Huynh-Ba, B.Sc.



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# Questions



# Thank You



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 A yellow graphic for a webinar. On the left is a stylized black and white icon of a hand holding a lightbulb. In the center, the word 'Patents' is written in large, bold, black letters with a white outline, set within a black rectangular border. Below it, the words 'CATALYZE Your Career' are written in a smaller, bold, black font. At the bottom of the graphic are three small, black-and-white photographs of people's faces looking upwards. The ACS Chemistry for Life logo is in the bottom left corner of the graphic.


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## How You Can Improve Global Public Health



**Nicole Palmer**  
 Manager, Volunteer Operations,  
 U.S. Pharmacopeia



**Kim Huynh-Ba**  
 Chair, Chemical Medicines 4  
 Expert Committee, U.S. Pharmacopeia



**Amjad Anwari**  
 Director-Science, Chemical Medicines &  
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