





A Career Planning Tool For Chemical Scientists





ChemIDP is an Individual Development Plan designed specifically for graduate students and postdoctoral scholars in the chemical sciences. Through immersive, self-paced activities, users explore potential careers, determine specific skills needed for success, and develop plans to achieve professional goals. **ChemIDP** tracks user progress and input, providing tips and strategies to complete goals and guide career exploration.

https://chemidp.acs.org

Career Consultant Directory





- ACS Member-exclusive program that allows you to arrange a one-on-one appointment with a certified ACS Career Consultant.
- Consultants provide personalized career advice to ACS Members.
- Browse our Career Consultant roster and request your one-on-one appointment today!

www.acs.org/careerconsulting

ACS Bridge Program



Are you thinking of Grad School?

If you are a student from a group underrepresented in the chemical sciences, we want to empower you to get your graduate degree!

The ACS Bridge Program offers:

- A FREE common application that will highlight your achievements to participating Bridge Departments
- Resources to help write competitive grad school applications and connect you with mentors, students, and industry partners!

Learn more and apply at <u>www.acs.org/bridge</u> Email us at <u>bridge@acs.org</u>







ACS Scholar Adunoluwa Obisesan

BS, Massachusetts Institute of Technology, June 2021 (Chemical-biological Engineering, Computer Science & Molecular Biology)

"The ACS Scholars Program provided me with monetary support as well as a valuable network of peers and mentors who have transformed my life and will help me in my future endeavors. The program enabled me to achieve more than I could have ever dreamed. Thank you so much!"

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https://www.youtube.com/c/ACSReactions/videos





The helium shortage th wasn't supposed to be March 24, 2022

Subscribe now to C&EN's podcast

STITCHER

VOICES AND STORIES FROM THE WORLD OF CHEMISTRY

eless chat about shar 2022 Nobel Prize in Chemistry

ade on Wikiped ork-life balance

cen.acs.org/sections/stereo-chemistry-podcast.html

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MC TT

sticky science of why eat so much sugar

May 31, 2022

There's more to James Harris's story

April 27, 2022

ACS Industry Member Programs

ACS Industry Matters

ACS member only content with exclusive insights from industry leaders to help you succeed in your career. #ACSIndustryMatters

Preview Content: acs.org/indnl

ACS Innovation Hub LinkedIn Group

Connect, collaborate and stay informed about the trends leading chemical innovation.

Join: bit.ly/ACSinnovationhub

ACS on Campus is the American Chemical Society's initiative dedicated to helping students advance their education and careers.





ACS Career Resources



Linked in Learning

Virtual Office Hours



https://www.acs.org/careerconsulting.html

Personal Career Consultations



Jim Tung works at Lacimas Laboratories in Portand, OR, currently as a business development manages. He has been with Lacianas for 10 years, working on developing new chemical manufacturing projects. Before that, he was a serior research chemica at Obter Research in Champagn, IL performing kilo scale organic chemistry.

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https://www.acs.org/careerconsulting.html

https://www.acs.org/linkedInlearning

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ACS Advocacy See your influence in action!



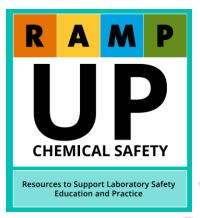
The impact and results of ACS member advocacy outreach and efforts by the numbers!

2439+ Members participated In Act4Chemistry	1739+ ACS Advocacy Workshops participants or enrollees	49 Years of Public Policy Fellows	2000 Letters sent to Congress
Get Involved	Enroll in a workshop	Become a Fellow	Take Action
American Chemical Society	https://www.a	cs.org/policy	16





A complete listing of ACS Safety Programs and Resources



Download it for free in the "Projects & Announcements" Section! www.acs.org/ccs



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Advancing ACS' Core Value of Diversity, Equity, Inclusion and Respect

Resources

Inclusivity Style Guide Designed to help staff and members use language and images that respect diversity in all its forms.	ACS Webinars on Diversity Covering diversity and inclusion at the weighplace
ACS Publications DEIR Hub See what ACS Publications is doing for fostering inclusively in scholarly publishing	ACS Volunteer and ACS Meetings Code of Conduct Footmap powbre and velocity environment for attendees, volunteers and staff.
C&EN Trailblazers C&E have been a sensitive from different have rounds when are making an impact in chemptry.	NEW! Download DEIR Boucational Resources Deveload the elocational after for additional resonnendations on videos, articles, books, podcatis, and more en diversity, inclusion, and related topics.
Quick Guide: Inclusion Moments	Quick Guide: How to host inclusive in-person events Recommendations and best practices to



Diversity, Equity, Inclusion, and Respect **Adapted from definitions from the Ford Foundation Center for Social Justice:

Equity**

Seeks to ensure fair treatment, equality of opportunity, and fairness in access to information and resources for all. We believe this is only possible in an environment built on respect and dignity. Equity requires the identification and elimination of barriers that have prevented the full participation of some groups. Diversity** The representation of varied identities and differences (race, ethnicity, gender, disability, sexual orientation, gender identity, national origin, trube, caste, socioeconomic status, thinking and communication syles, etc.), collectively and as individuals. ACS seeks to proactively engage, understand, and draw on a variety of perspectives.

Inclusion**

Builds a culture of belonging by actively inviting the contribution and participation of all people. Every person's voice adds volue, and ACS strives to create balance in the face of power differences. In addition, no one person can or should be called upon to represent an entire community.

Respect

Ensures that each person is treated with professionalism, integrity, and ethics underpinning all interpersonal interactions.

https://www.acs.org/diversity





inChemistry Magazine

The ACS magazine for undergraduate student members, offering insights on career planning graduate school, developing professional skills, and academic achievement.

Learn more: acs.org/inchemistry





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Go to <u>www.acs.org/pib</u> to pre-register for the event



ACS Chemistry for Life*

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ACS PROGRAM

#ACSPIB is Back!

Featuring the chemistry of photography and imaging as part of *National Chemistry Week*A free and easy event during the week of

Oct. 20-26 for your students and

early career chemists

Student Communities Grants

Starter Grant

Charter a new student community Up to \$350

DEIR Grant

Improve diversity, equity, inclusion, and respect (DEIR) in your GSO and university

Up to \$750

Engagement Grant

Outreach, teambuilding, and chapter development

Up to \$1,000

Professional Meeting Grant

Attend a meeting in your field, at home or abroad

Up to \$225 for virtual, \$500 for in-country, and \$2,000 for out-of-country

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acs.org/StudentCommunities

ACS Virtual Office Hours

- Monthly career event the first Thursday of each month, 12pm ET– 1:30pm ET
- 45-minute workshop or panel discussion, followed by 45-minute breakout room sessions led by Career Consultants.
- View upcoming events/register @ www.acs.org/careerconsulting





ACS CAREER CONSULTANT + VIRTUAL OFFICE HOURS IS Grad School Right for Me? Thurs., April 4 - 12 pm ET

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ACS Career Pathways Workshops

- Workshop series designed to help chemists navigate their careers.
- Explore career opportunities in industry, higher education, government, and working for yourself.
- CPW's also provide advice on networking, resume development, interviewing tips, and more.
 - These workshops are offered in-person at the Spring, Fall, and Regional Meetings, and once a month on-line.
- View upcoming workshops/register @ <u>www.acs.org/careerconsulting</u>



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www.acs.org/membership



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Have a Different Question? Contact Membership Services

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\$55	Graduate Students
\$ 25	Undergraduate Students
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\$0	Emeritus

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\$40 Recent Graduates* 0

Standard

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www.acs.org/acswebinars





Thursday, May 16, 2024 2pm-3pm ET

Meet The Heroes of Chemistry: Featuring the Scientists behind Paxlovid™, RelyX™, and Trikafta®

Co-produced with ACS Industry Member Programs and ACS Committee on Corporation Associates

Register for Free



Wednesday, May 22, 2024| 2pm-3:30pm ET

Exploring Thermal Mechanics in Polymeric Materials

Co-produced with ACS Division of Polymeric Materials: Science & Engineering (PMSE)



Wednesday, May 29, 2024| 3pm-4pm ET Electrones en Movimiento: Efecto de los Campos Magnéticos sobre las Moléculas

Co-produced with the Sociedad Quimica de Mexico

Browse the Upcoming Schedule at <u>www.acs.org/acswebinars</u>



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Your Career Story: Crafting CVs and Resumes

Milcah S. Jackson, PhD ACS Education ACS Student & Postdoctoral Scholar Development Office

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Agenda

- Your Career Story
- Define CVs and Resumes
- Building a winning Resume
- · Get feedback for your CV or resume
- ACS Resources



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Audience Survey Question Answer the question on the interactive screen in one moment

Are you a ...?

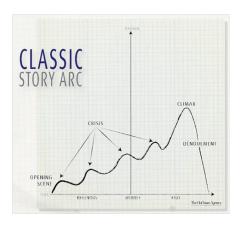
- **Undergraduate Student** ٠
- Graduate Student
- Postdoctoral Researcher
- Professional
- Other

* If your answer is "Other" tell us in the questions window!

Your Career Story

- Like classic story arcs, your career ٠ story has multiple rises of tension and plot development over time.
- What remains pivotal to *individual* development is knowing one's own values, strengths, and goals and taking the driver's seat of one's career





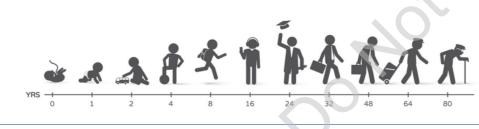
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A career story is explained in several documents:



- Cover Letters
- Personal Statements
- Research and Teaching Statements
- Bio-sketches

- Letters of recommendation
- Thank You Letters
- CVs
- Resumes



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What is a Curriculum Vitae (CV)?



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- Detailed & comprehensive description of <u>ALL</u> academic credentials, professional experience, and achievements
- On-paper persona
- Evolving document
- Length unimportant



What should a CV include?



Section	Description	
Header	Name, contact info, website, LinkedIn	
Education	Degrees, date of (expected) graduation, university, year	R
Professional Experience	Positions and responsibilities you have held	
Publications and Presentations	e.g., Abstract titles, formal and informal presentations	
Honors and Awards	Notable achievements	
Funding	Funding Current and past funded grants/proposals	
Teaching & Mentoring Experience	Courses taught, students mentored, etc.	
Licensures and Certifications	Additional training or course work to advance skills	

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What should a CV include (cont.)?



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Section	Description	
Additional Experiences	Volunteer roles, facilitation experience, workshop participation	
Professional Affiliations and Associations	ACS, NOBCChE, AISES, SACNAS, etc.	
Skills	Technical and professional skills	
Languages	Only list those where you have Proficiency	

Reflect: Can you think of other experiences to highlight in your CV?

ChemIDP[™] - My Vitae

ChemIDP's My Vitae helps you document, organize, and keep track of your:

- Academic, professional, and volunteer experiences and achievements
- Distinguished awards and honors
- Publications and Presentations
- Add, edit, rearrange, and select content from each section to craft and format CV or résumé.



My Vitae

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ChemIDP.ACS.org/my-vitae

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ACS ChemIDP.org

Create a roadmap to help you achieve your professional goals!

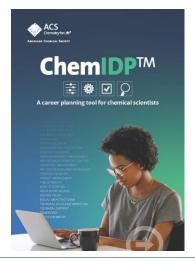
Questions, comments, or you would like a workshop?

Contact us!

ChemIDP@acs.org



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What is a resume?

- Concise summary of education, experiences and skills highlighting accomplishments
- Focuses on experience and skills <u>relevant</u> to position and organization
- Typically, 1-2 pages in length



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Typical sections of a resume



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Section	Description	
Header	Name, contact info, website, LinkedIn	
Objective/Summary	What type of position you are seeking	
Education	Degrees, date of expected graduation, university year	
Professional Experience	Positions and responsibilities you have held	
Technical Skills	e.g., H-NMR, C-NMR, IR Spectroscopy, TLC, etc.	
Honors and Activities	Volunteer positions, awards	
Publications and Presentations	e.g., Abstract titles, formal and informal presentations	
Languages	Proficiency	

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Typical sections of a resume



Section	Description	
Header	Name, contact info, website, LinkedIn	$\left[\begin{array}{c} \\ \\ \end{array} \right]$
Objective/Summary	What type of position you are seeking	Don't be
Education	Degrees, date of expected graduation, university year	afraid to
Professional Experience	Positions and responsibilities you have held	think outside
Technical Skills	e.g., H-NMR, C-NMR, IR Spectroscopy, TLC, etc.	of the
Honors and Activities	Volunteer positions, awards	box
Publications and Presentations	e.g., abstract titles, formal and informal presentations	
Languages	Proficiency]

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Resumes: Presenting Experience

For each experience....

- List employer, location, position held, and the start/end date (MM/YYYY)
- State 3-4 significant accomplishments and quantify if possible
- Describe each accomplishment in no more than two sentences
- Start with an action verb and give result or impact of your work



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Resumes: Presenting Experience

Example:

ChemSci Biotechnology

Rockville, MD

Senior Research Scientist

- 01/2012 01/2019 tes for a candidate anti-tum
- Designed <u>5 new synthetic routes</u> for a candidate anti-tumor agents
- Led and supervised <u>25 lab technicians</u> in safe, effective implementation of synthetic and process experiments
- Collaborated on cross-functional project teams to support interdepartmental research efforts
- Authored technical reports and presented findings to internal and external stakeholders





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Resume Dos and Don'ts



Do This	Don't Do This
Highlight skills and experiences that are <u>relevant</u> to the role	Restrict experience to only "work"
Only <u>1-2 pages</u> in length	Go over 2 pages in length
Quantify – use numbers and percentages to your advantage to show impact	Use acronyms that your audience may not understand
Be clear and concise with verbiage	Include personal information like age, political affiliation, etc.

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Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

On average, how long does a recruiter take to review a candidate's resume?

- Less than 10 seconds
- 30 seconds
- 1 minute
- 30 minutes

* If your answer differs greatly from the choices tell us in the questions window!

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Resume Statistics

According to an eye-tracking study, the resumes that are most likely to get noticed by recruiters are:

- A clear, simple layout
- Legible fonts (i.e., Times New Roman or Arial)
- Contain an objective summary
- 1-2 pages in length





American Chemical Society WWW.resume-now.com/job-resources/jobs/resume-statistics

What are the KEY differences?



	CV	Resume
Goal	To present <u>full</u> academic history and professional experience	To demonstrate that you have the skills and experiences needed for a specific role.
Length	Varies	One or two pages only!
Essential Information	List of education, professional experiences, publications, presentations, honors, and grants	Skills and experiences you have gained as related to the job you are seeking.

How do you decide which document to use?

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Who is the intended audience?



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 Academia
 Industry
 Government
 Self-Employed, Non-Profit, Other

Who is the intended audience?



Job Sector	Job Type/Institution	CV or Resume
	Faculty, postdocs, research staff in Higher Ed.	cv O
류아큐 Academia	K-12 Educators, Administrative and Support Staff (all levels)	Resume
Industry	Most roles	Resume

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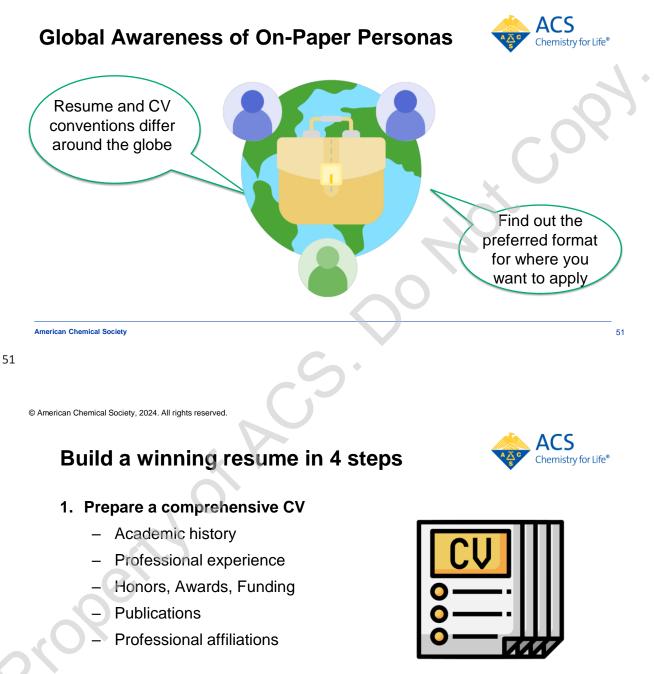
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Who is the intended audience?



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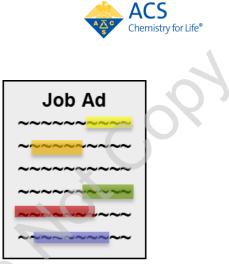
Job Sector	Job Type	CV or Resume
	Most roles	Resume
Government	Research Staff at National Laboratories	CV
Non-profit	Most roles	Resume



Pro Tip: Use ChemIDP's MyVitae feature to document your achievements.

Build a winning resume in 4 steps

- 2. Examine job ad and highlight:
 - Required skills
 - Key responsibilities
 - Keywords (i.e., verbs and adjectives)



Pro Tip: Upload your resume and job ad on jobscan.co

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Build a winning resume in 4 steps

- 3. Compare your CV to job ad
 - Work experience and responsibilities
 - Required skills and competencies
 - Preferred skills and competencies
 - Additional experiences (e.g., volunteering, speaking engagements, etc.)



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cv	cv
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Pro Tip: Additional experiences are just as marketable as primary experience.

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## Build a winning resume in 4 steps



- Remember to include all relevant experience and skills
- Use similar key words and verbs
- 1-2 pages max
- Quantify impact when you can

	ACS
AZC	Chemistry for Life®

Resume	
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## **CV and Resume Review Support**



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#### Who to ask?

- Professional Mentors
- Career Consultant
- Content Experts
- Editing Experts
- Peers

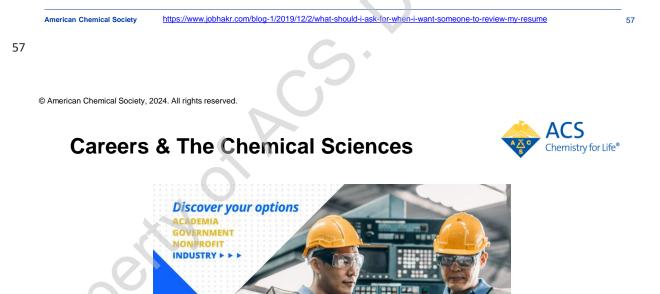
#### Type of Support

- What to include or not include
- What to emphasize
- How to structure document
- If it aligns with a job ad skills/responsibilities
- · Grammar and spell check

## **CV/Resume Review: What to ask**



- What is your initial impression of my CV/resume?
- What could be better on my CV/resume?
- What on my CV/resume impresses you the most?
- What kind of role does it look like I'm applying for?
- When did you start skimming my CV/resume?
- What questions do you have after reading my CV/resume?



Explore what YOU can do with a chemistry degree.

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RFFRS

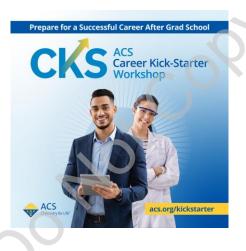
## **ACS Career Kick-Starter Workshop**

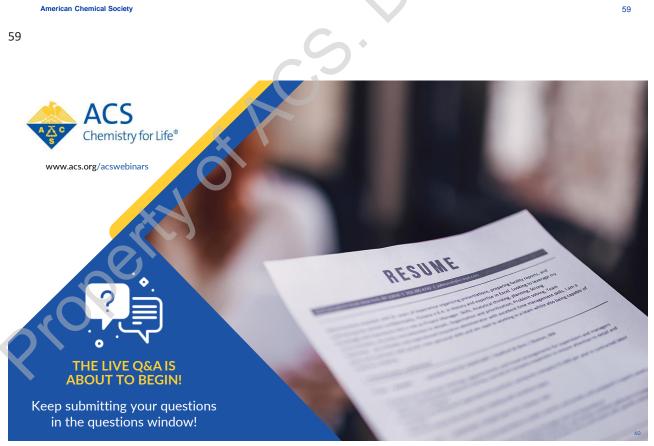


#### Host a Career Kick-Starter Workshop at your Institution

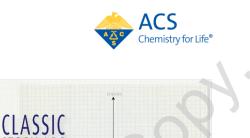
- Examine careers for Ph.D. chemists
- · Acquire professional skills
- Understand how to find and utilize resources for obtaining a job
- Personal Career Consulting

Contact us! GradEd@acs.org





## **Final Thoughts**



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- Your career story will evolve overtime
- Your CV is the full, detailed story
- Your <u>resume should change</u> depending on job position



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#### Graduate & Postdoctoral Chemist Magazine

In-depth advice from faculty, professionals, and grad students on topics related to grad student and postdoc life.

Have an idea for an article for the magazine?

Contact us!

GPC@acs.org



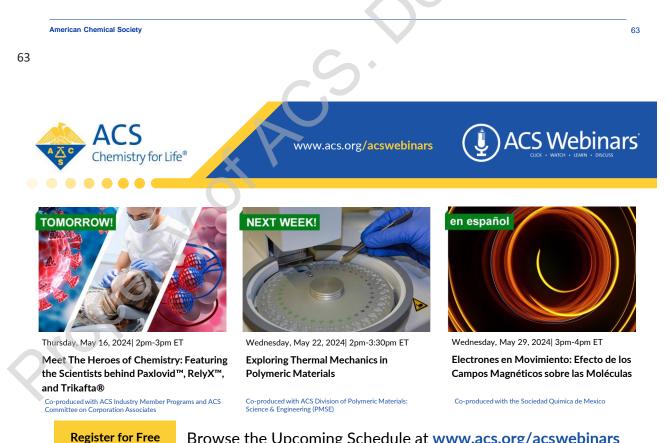
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## **ACS Career Consultant Program**

- Provide personalized career advice to ACS Members through resume reviews, mock interviews, LinkedIn profile reviews, and general career counseling sessions.
- Work with Members in-person at the Spring, ٠ Fall, and Regional Meetings, and virtually yearround.
- 100+ Certified ACS Career Consultants.
- International Career Consultants in China, India, Nigeria, Singapore.
- Review our Career Consultant directory and • request your appointment @ www.acs.org/careerconsulting.







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Basic

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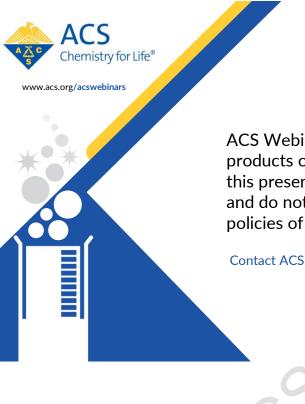
*Requires FREE ACS ID

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