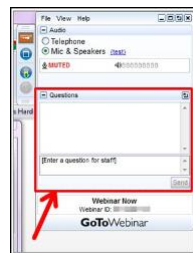


Have Questions?



Type them into questions box!

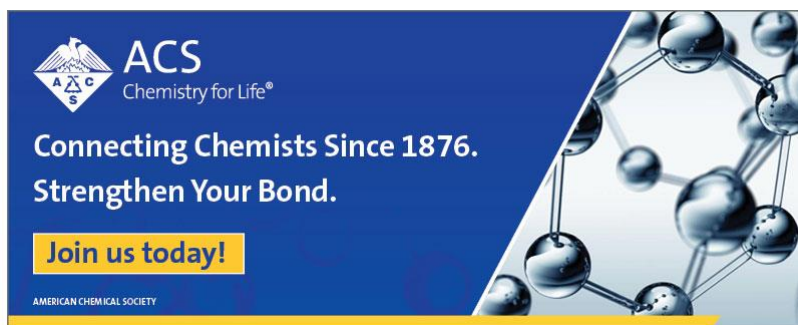
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In Chemistry

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<http://bit.ly/AltChemCareers2>

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David Battaglia, Ph.D.
Chief Technologist, Industrial Sciences, Lynntech
ACS member for 12 years strong!

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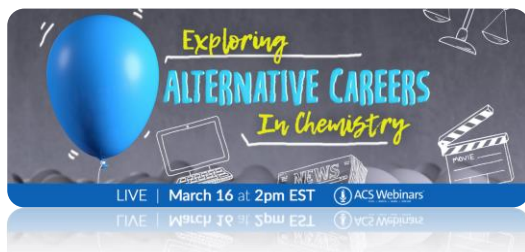
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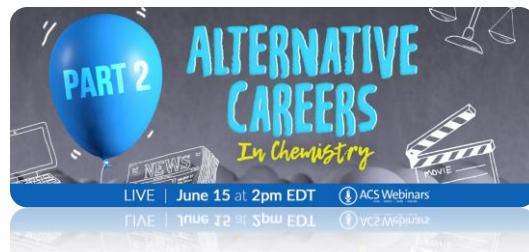
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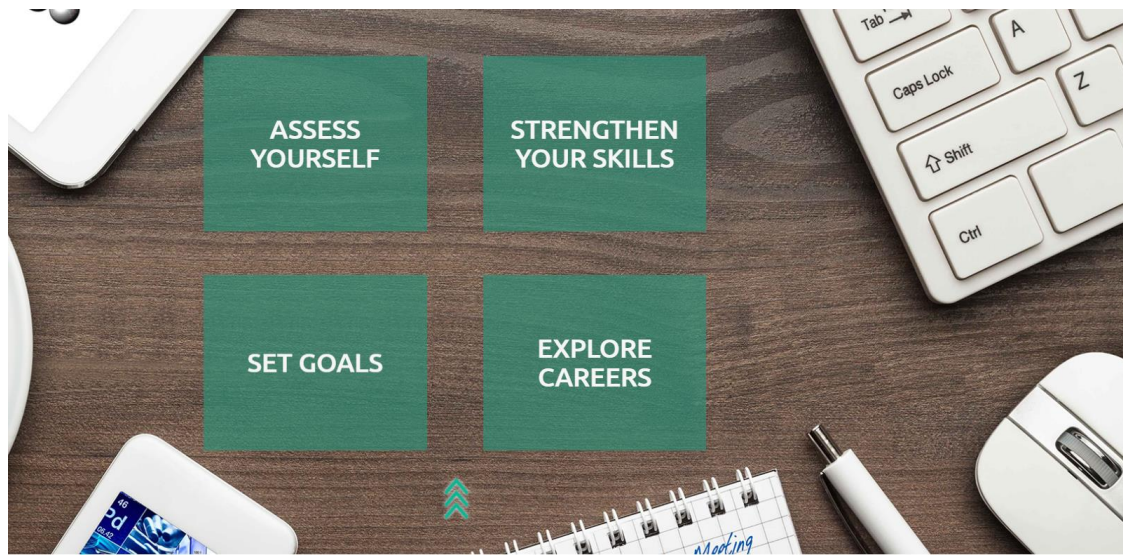


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- Find a job
- Effectively use research tools like SciFinder® and ACS ChemWorx
- Communicate your science
- Write grant proposals
- Build industry partnerships
- Prepare for a changing employment landscape

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Exploring Alternative Careers in Chemistry: Part 3



Tiffany Hoerter
Service Relationship Manager,
Agilent Technologies



Matt Lasater
Senior Director of Analytics,
MedMen



Karen McMillan Tkaczyk
Freelance Translator,
McMillan Translation LLC



Lisa Balbes
Freelance Technical Writer, Editor,
and Consultant, Balbes Consultants LLC

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Audience Challenge Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



What soft skills would you like to most improve?

(multiple correct answers possible)

- Communication and networking skills
- Science journalism and communication
- Problem solving
- Adaptability
- Other (type your response in the chat window)

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Photo Credit: Brian Cochrane / iStock.com, 2017

Tiffany Hoerter
*Service Relationship Manager,
Agilent Technologies*



Tiffany Hoerter

About Me:

- Originally from Wyoming
- 1.5 years at **Agilent Technologies**
- 5 years at **DuPont**
- 4 years at **AstraZeneca**
- 3 years in **Contract Manufacturing**
- 1 year in **Project Management**



Photo Credits: Tiffany Hoerter, 2018

Current Position: Service Relationship Manager – Agilent CrossLab Group, Agilent Technologies

- Delivering world class service to our customers while focusing on cost savings with our OEM and 3rd party suppliers for Agilent Enterprise Services.
- Specialize in process development/improvement, Six Sigma, and data management



Supply Chain and Sourcing
2.5 yrs, DE

Project Manager (Biologics)
1 yr, PA

Contract Manufacturing/ Technical Writing
3 yrs, WY, WI

Associate Scientist (Pharmaceuticals)
4 yrs, DE

Associate Investigator (Automotive Refinish and OLEDs)
4 yrs, DE



Tiffany Hoerter

Service Relationship Manager, Agilent Technologies

Education:

- Certified in Production and Inventory Management (2016)
- Certified Six Sigma Green Belt (2010, 2015)
- Trained Six Sigma Black Belt (2017)
- M.S. **Chemistry**, San Diego State University
- B.S. **Chemistry**, University of Wyoming

Volunteer Service Work:

- American Chemical Society
- Aztec Mentorship Program, San Diego State University
- Vice Chair of the Board of Trustees, Hockessin Montessori School
- Agilent Afterschool, Hockessin Montessori School

Interests: Photography, piano, gaming and watching my daughter play violin



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Audience Challenge Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



According to the Bureau of Labor and Statistics, how many jobs does a person have from age 18 to 50?

- 1 - 4
- 5 - 7
- 8 - 10
- 11 - 14
- 15 - 20

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Tiffany Hoerter

Service Relationship Manager, Agilent Technologies

Agilent
CrossLab
From Insight to Outcome

ANSWER: B. 11 – 14

The [Bureau of Labor and Statistics Longitudinal Survey of Youth](#) showed:

- Individuals born from 1957 to 1964 held an average of 11.9 jobs from ages 18 to 50.
- These baby boomers held an average of:
 - 5.5 jobs while ages 18 to 24
 - 4.5 jobs from ages 25 to 34
 - 2.9 jobs from ages 35 to 44
 - 1.7 jobs from ages 45 to 50



Tiffany Hoerter

Service Relationship Manager, Agilent Technologies



From Insight to Outcome

Chemistry Training

- Scientific method
- Data collection/analysis
- Data driven decision making
- Communicating outcomes
- Cultural and diversity awareness

Transferable Skills

- All Chemistry skills are transferrable
- The skills are leveraged differently on a new problem set
- Opportunities to shine based on data utilization and driving data based outcomes

Developed Skills

- Project Management
- People Management
- Financial Acumen
- Mentee, Mentor and Sponsor relationships
- Networking

- **Supply Chain and Sourcing**
2.5 yrs, DE
- **Project Manager (Biologics)**
1 yr, PA
- **Contract Manufacturing/ Technical Writing**
3 yrs, WY, WI
- **Associate Scientist (Pharmaceuticals)**
4 yrs, DE
- **Associate Investigator (Automotive Refinish and OLEDs)**
4 yrs, DE



Tiffany Hoerter

Service Relationship Manager, Agilent Technologies



From Insight to Outcome

Chemistry Career Resources

- [ACS Career Navigator](#)
- [ACS Career Consultants](#)
 - CV/Resume review
 - Mock Interview
 - Career advice
- [AAAS Careers](#)
- [Royal Society Careers](#)

Skill Development Resources

- [ACS Career Navigator](#)
- [Lynda.com](#)
- [LinkedIn Learning](#)
- [Kahn Academy](#) (free)
- [Codemy](#) (free)
- [Udacity](#)
- Certification Programs

Networking Resources

- F2F Networking
- Local, Regional, and National ACS meetings
- Local seminars, social and sponsored events
- Alumni Association
- [LinkedIn](#)





Matt Lasater

Senior Director of Analytics, MedMen

MedMen | Who is Matt Lasater?



<p>From Texas (86% of my life so far)</p> <p>University of Texas at Austin (B.S. and Ph.D.)</p> <p>Cantrell Research (Between undergraduate and graduate school)</p>	<p>Thermo Fisher Scientific</p> <ul style="list-style-type: none"> Marketing for 4 years R&D for 4 years Operations for 4 years <p>Edwards Lifesciences</p> <ul style="list-style-type: none"> Particulate Engineer for 1.5 years (Utah) Principal Chemist for 1.5 years (California) <p>MedMen</p> <ul style="list-style-type: none"> Senior Director of Analytics (California) 0.3 years so far 	<p>Rules to live by</p> <ol style="list-style-type: none"> 1) That's interesting 2) Everything I know could be wrong 3) Most people are good most of the time
---	--	---

Audience Challenge Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



Would you work at a company that produced cannabis products?

- Yes, even if state and federally illegal
- Yes, if state legal but federally illegal
- Yes, if federally and state legal
- No

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MedMen | Career Path and Plan



Why Thermo?

The Good:

- Based in Austin, TX
- Found fantastic mentors
- Gained so much real world experience

Plan?



The Bad:

- Developed GC-TOF-MS then killed it
- Manufacturing at Thermo moved overseas

Why Edwards?

The Good:

- Working with one of my mentors
- Fresh new problems to solve and skills to learn

The Bad:

- Processes stabilized and became less interesting
- Opportunities to improve analytical methods diminishing

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Why MedMen?

The Good:

- Opportunity to impact new field of science
 - Analytical Chemistry
 - Process improvements galore
 - Understanding a much used but poorly researched product
- Be a better mentor

The Bad:

- Social Stigma and Legality
- High Risk



Karen McMillan Tkaczyk
Freelance Translator





Darja Laboratories, Inc.

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About Translation

- Translation is written and interpreting is spoken
- Being bilingual isn't enough to make you a translator or interpreter
- Professional translators work into their native language
- Translation is more than word-substitution
- You need subject-matter expertise in what you translate
- Machine translation isn't going to replace human translators anytime soon



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Audience Challenge Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

Are you monolingual?

- Yes, but I can also speak chemistry ;)
- No, I can get by using other language(s)
- No, I can communicate professionally in more than one language
- No, I'm bilingual and bicultural

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McMillan
Translation



Where's the next job coming from?



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A day in the life...

- Regulatory application/warning letters
- Adhesive/coatings technical datasheets
- Standard Operating Procedures for pharma companies
- Stacks of marked up, completed batch records for pharma companies
- User manual for apparatus or large equipment
- Brochures for chemicals sold to consumers (cosmetics, paint, etc.)

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A day in the life, cont.

- Patents – chemical compositions, cosmetics, packaging, nutritional supplements, photovoltaic cells
- Patent opposition procedures
- Patent litigation cases
- Hazmat plan for a chemical plant
- SOPs, forms, instructions – any quality controlled documents
- Review or book chapter

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Audience Challenge Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

What alternative career paths are of interest to you?

(multiple correct answers possible)

- Government and science policy
- Science journalism and communication
- Chemistry and the law or IP
- Consulting
- Other (type your response in the chat window)

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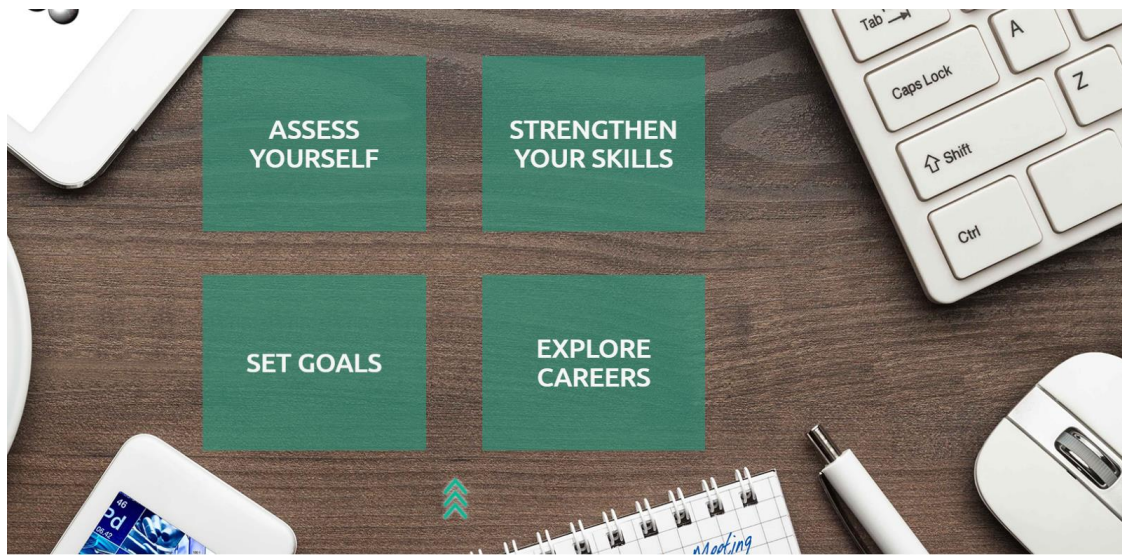
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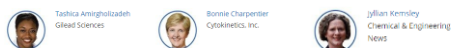
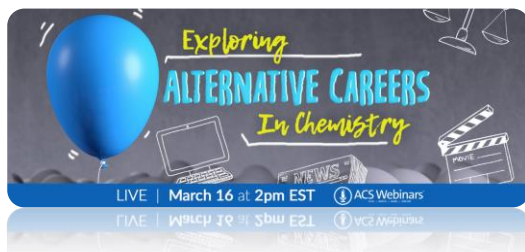
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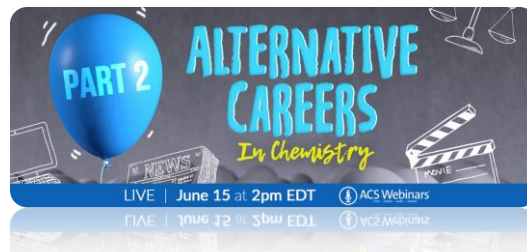
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Chief Technologist, Industrial Sciences, Lynntech
ACS member for 12 years strong!



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