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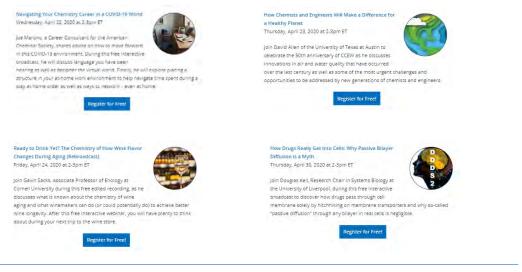
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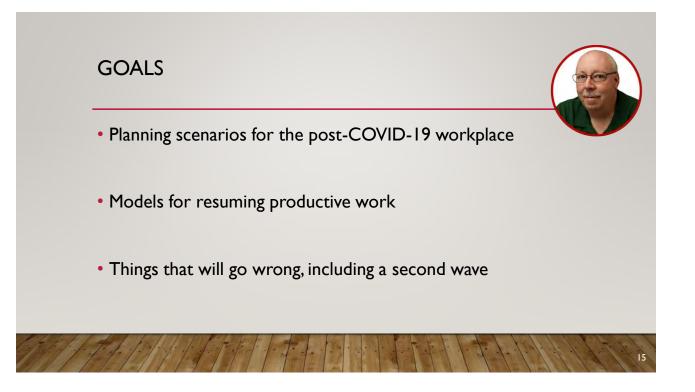
Recovery and Contingency for Post-covid-19 Activities



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This ACS Webinar is co-produced with the ACS Division of Chemical Health & Safety.

Recovery and Contingency for Post-COVID-19 Activities

NEAL LANGERMAN, Ph.D. HARRY ELSTON, Ph.D., CIH, PMP



WHAT HAPPENS NEXT?

• A few initial thoughts

- It's easier to turn off something than it is to start it up again
 - Hope is not a strategy
- Recovery and Contingency
 - People and Things
 - Business and research continuity
 - Academic, Industrial, Service, Government

PREPARING YOUR BUSINESS FOR COVID-19

• Harvard Business Review: https://hbr.org/2020/04/preparing-your-business-for-a-post-pandemic-world

- **Position** (Honest assessment of your view of the new reality)
 - Define triggers for initiating business resumption milestones
 - No new cases for 14 days?
 - Only antibody-positive persons?
- Plan (What you do today to impact tomorrow)
- Perspective (How will your work environment change as a result of the pandemic?)
- **Projects** (Many smaller projects rather than a single large effort)
- Preparedness (Prepare at unit level, not facility level)
- All will require a hard and honest assessment

MORE INITIAL THOUGHTS

- Begin with the end in mind
 - What will "normal" look like?
 - Classrooms w/o face to face interactions
 - 4-person labs become 2-person labs
 - Office space, production floors
 - Where do you want to end up?
 - Establish productivity goals for 6, 12, 18, and 24 months

PLANNING PROCESS

- Planning at highest level to be effective w/o being overwhelmed
- Academic Plan by college & department
- Industrial Plan by operational unit
- Service Plan by logical unit organization
- Government Plan by Agency subunits

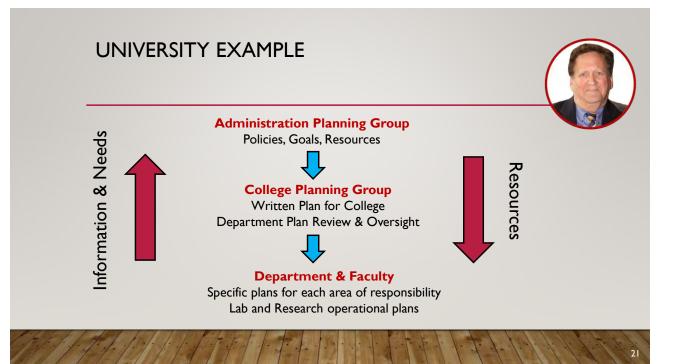
Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

Body temperature, measured by remote sensing (IR usually) IS or IS NOT a reliable screening tool for potentially contagious individuals?

- Remote Sensing IS a reliable screening tool
- Remote sensing IS NOT a reliable screening tool
- Depends on the body temperature selected to trigger concern
- Other (Tell us more in the chat)

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



PLAN CONTENT

Goals	Limited Lab Occupancy
Actions	Inspect teaching labs for safety
Who	Lab coordinator, Responsible Faculty. EHS Department Representative (Student Safety Representative)
How	Visual, air quality, utility check
Timing & Triggers	Week I, after Administration authorizes phase I re- opening
What if's	Spill, leak discovered; refrigerator failed

Audience Survey Question_

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

How do you expect the post-pandemic research lab (academic or industrial) to look until herd-immunity is developed?

- Approximately half the number of persons per lab than in the pre-pandemic period
- Slightly reduced occupancy, but all non-immune persons must wear respirators
- All persons entering the building are always required to wear respirators
- Other (Tell us more in the chat)

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

ONE METHOD: PHASE-IN TO NORMAL OPERATIONS

- Vast majority of workers laid off or teleworking
- Only persons onsite are those that must be (i.e. security, facilities, select staff)
 - Current lab-status example
 - Every lab has a designation:
 - Inactive
 - No research, but monitoring and maintenance activities
 - Some ongoing research
 - Fully operational

ONE METHOD: PHASE-IN TO NORMAL OPERATIONS



Ist Group Return:

- Critical facility individuals: Safety and operations (HVAC, water, electric)
 - Team approach: No one person will know everything
- · Goal to ensure facilities in safe working condition
- · Still vast majority of workers teleworking/laid off

ONE METHOD: PHASE-IN TO NORMAL OPERATIONS



• Prepare for 2nd Group Return:

- Minimum number of critical production workers Task to set up for restart of production facilities
- Academic: Dep't heads sit down w/PIs and faculty to develop plan for return to research
- Industrial: Unit Leads and management develop plan for restart
- · Admin to support this work. Other admin/non-essential still teleworking

• Prepare for 3rd Group Return:

- Remainder of workforce. Start up for production.
- Plan for continuing monitoring for illness

Audience Survey Question_

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

Following resumption of operations, how long will it take for productivity to return to 80% or better of pre-pandemic levels?

- 3 6 months
- 6 12 months
- 1 2 years
- > 2 years

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

ONE METHOD: PHASE-IN TO NORMAL OPERATIONS

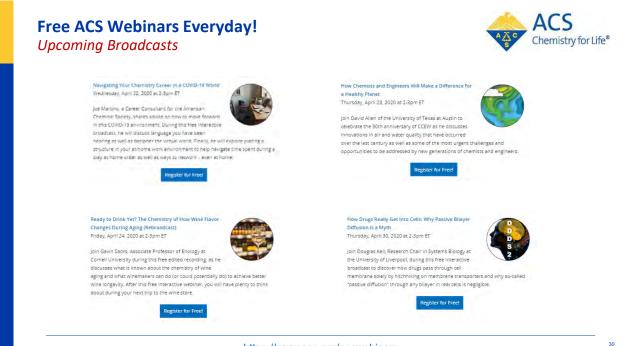
People thoughts

- During Ist and 2nd return how to get them on site safely?
- CDC Recommendations: <u>https://www.cdc.gov/coronavirus/2019-ncov/community/critical-workers/implementing-safety-practices.html</u>
- What are you going to do if:
 - Critical people have left the company?

FUNDAMENTAL QUESTIONS



- What does the new normal look like in a "ready for research" lab?
- What does the new normal look like in a teaching lab?
- What does the new normal look like in a classroom?
- What does the new normal look like in an office?
- What does the new normal look like in a dorm/cafeteria/café?
- How do you handle a student who becomes symptomatic?



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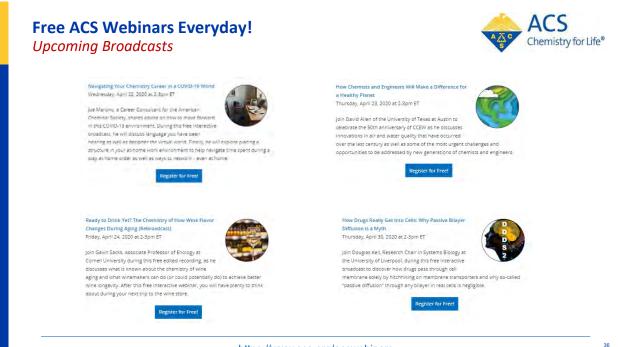




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