

2023 VIZIENT CONNECTIONS SUMMIT

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McFarland Clinic

**Lessons Learned:
Remodeling the McFarland Clinic Core Lab**

Kim Riley-Adams, MHA, DLM(ASCP)^{CM}

Director of Laboratory Services

McFarland Clinic, Ames Iowa

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Learning Objectives

- Identify key factors to consider prior to starting a lab remodel.
- Outline use of staff when planning to remodel a laboratory space.

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Why are most laboratories windowless and in the basement?

- It's where the magic happens, and we don't want to let our secrets out?
- Vampires really do work in laboratories!
- HIPAA—it's always about HIPAA!!!
- More than likely—because they are not very aesthetically pleasing to look at!
 - Crowded!
 - Loud!
 - Smells!

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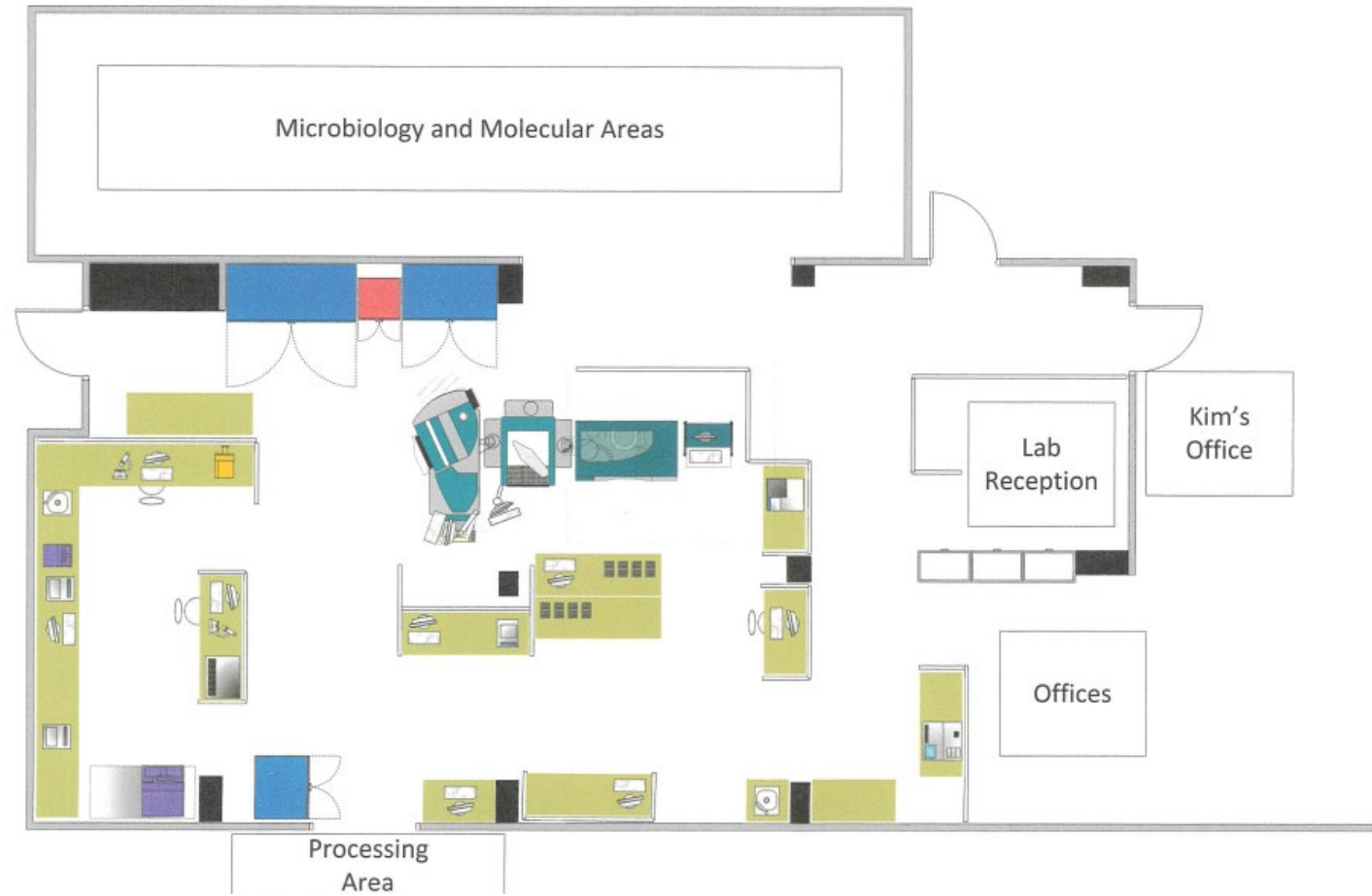
Why Remodel??

- Our laboratory was....
 - Crowded
 - In the basement with many support beams to work around
 - Landlocked—no where to expand
 - Poorly Lit
 - Fluorescent light bulbs that reflected off monitors
 - Landlocked
 - As our test menu and accumulation of analyzers grew—we had no where to expand
 - CARPET!!!!!!!
 - Seriously!!!!

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Original Laboratory Layout



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Where do you start?

- Administration
 - Approvals
- Facilities
 - Timeline
 - Contractors
 - Temporary space
- Equipment Vendors
 - Specs for analyzers
 - Associated costs for moving
- Lab Subject Matter Experts
 - Designate SMEs
 - Brainstorming
 - What we want vs. What we have

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Team Approach

- Daily huddle
 - Facilities
 - SME
- Routine check-in with Vendor
 - Site Visit
 - Team meetings with SME/Facilities
- Contingency Plans
 - What goes where if....
- Flexibility
 - Things will change as you move through the process

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First Steps

- Formulate Plan
 - Flooring
 - Plumbing
 - Electrical
 - Lighting
 - Data ports
- Staging
 - Layout
 - Temporary space
 - Flooring install
 - Lighting install

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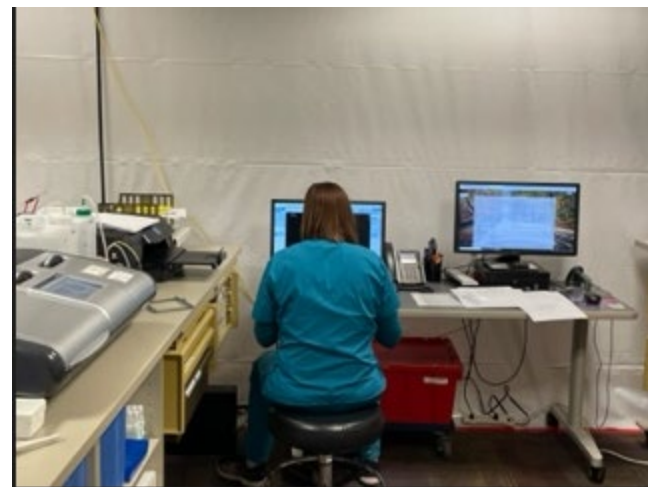
Second steps...

- Securing temporary lab space
 - Facilities
 - MIS
- Moving equipment into space
 - Vendor help
 - Privacy
 - Communication with Clinic Staff

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Temporary Lab Home



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Third Steps

- Vendors On Site
 - Move equipment to temporary space
 - Meet with construction staff to ensure placement of needed plumbing, electrical, etc.
- SME
 - Set up temporary lab
 - Provide input throughout the whole process
- Deconstruction and Construction Begins!
 - Flooring
 - Lighting
 - Flooring and Lighting done in 5 stages
 - Modular workspaces

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Install of new chemistry analyzer

- Flooring completed
- Plumbing completed
 - Water system
- Electrical/Lighting completed
 - UPS
- MIS

Uninterruptible Power Supply

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Chemistry Analyzer in New Home



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Modular Lab Benches

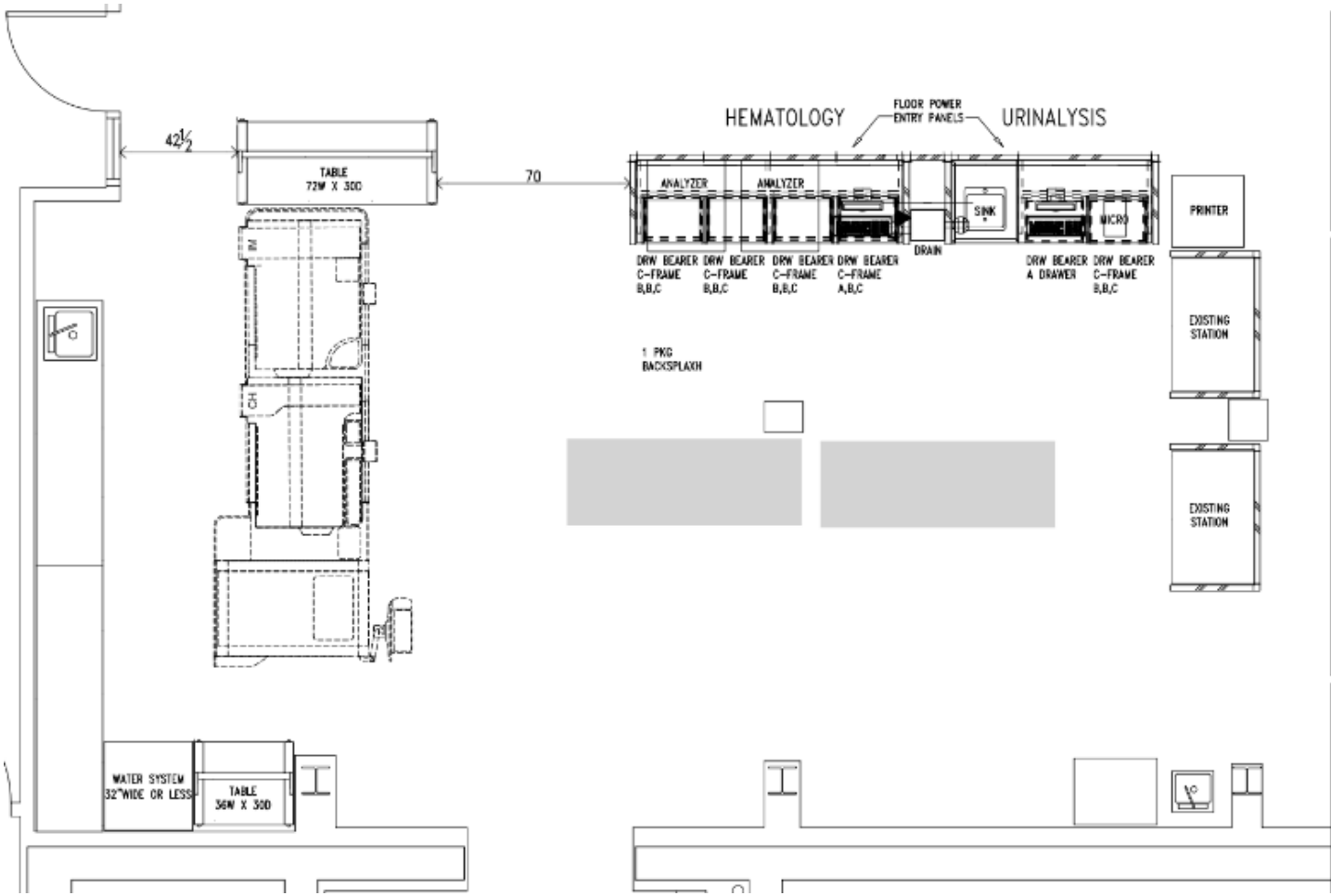
- Flexibility in Lab Layout
- Easy to Replace
- Customizability



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New Lab Layout



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Lessons Learned

- Consult with equipment and analyzer vendors early
 - Fees for moving equipment
 - Electrical needs
 - Plumbing needs
 - Data needs
- You get what you pay for
 - Flooring
 - Sinks
- Ensure delivery dates
- Pay attention when going over the final punch list

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Key Takeaways: *Not an overnight process!*

- Plan ahead
- Use your subject matter experts
- Expect Delays
- Patience!



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Questions?



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