**NACCLS Accredited Clinical Laboratory Science Program Technology & Wellness Curriculum Assessment**

Dear Laboratory Program Director,

We invite you to participate in a brief survey about technology integration and wellness components in Clinical Laboratory Science programs. This survey includes 16 multiple-choice questions and one optional short response (50 words max). It takes just 2-4 minutes to complete.

Your responses will remain confidential and will help shape future curriculum recommendations for clinical laboratory science programs.

Thank you for your valuable time and participation.

**1. Demographics**

1. What is your program type? (Please select all applies)
   * ASS- MLT Program
   * BS-MLS Program
   * Post-Bachelorette Certificate
   * MS-MLS Program
   * DCLS (Doctorate in Clinical Lab Science)
   * Other (please specify): ……………………………………………………..
2. What is your program's typical annual cohort size?
   * Less than 10 students
   * 10-20 students
   * 21-30 students
   * More than 30 students
3. In which state is your program located? [Dropdown menu]

**2. Technology Integration Assessment**

Please rate the importance of the following technologies for future Clinical Laboratory Scientists on a scale of 1-5.

1. Next-Generation Sequencing (NGS) Technologies (e.g., whole-genome sequencing, RNA-sequencing, variant analysis, protein analysis).

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

1. Basic Bioinformatics Tools (e.g., soft coding skills, data visualization tools, target specific pipeline development)

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

1. Machine/Deep Learning Applications in Clinical Laboratory Medicine (e.g., improving routine laboratory procedures by automating laboratory processes)

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

1. Digital Pathology/Image Analysis in Clinical Laboratory Medicine

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

1. Artificial Intelligence (AI) in Clinical Decision Support

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

**3. Current Program Status**

1. Which of these technologies does your program currently teach? (Select all that apply)

□ Bioinformatics

□ Machine Learning

□ Advanced Molecular Detection Methods (NGS Technologies)

□ Digital Pathology

□ AI Tools

□ None of the above

1. What is your biggest challenge in implementing new technologies? (Please select one)

□ Budget constraints

□ Lack of faculty expertise

□ Limited curriculum time

□ Infrastructure limitations

□ Other (please specify) …………………………………………………………………………..

**4. Wellness Component Assessment**

Please rate the importance of the following wellness components on a scale of 1-5.

1. Stress Management Training

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

1. Work-Life Balance Education

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

1. Burnout Prevention Strategies

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

1. Professional Resilience Training

1. □ Not Important,

2. □ Slightly Important

3. □ Moderately Important

4. □ Very Important

5. □ Essential

**5. Implementation Timeline**

1. When do you plan to implement or expand these components?

□ Within 1 year

□ 1-2 years

□ 2-3 years

□ No current plans

□ Already implemented

1. What resources would most help your program implement these changes? (Please select the top two)

□ Additional funding

□ Faculty training

□ Curriculum guidelines

□ Technology partnerships

□ Wellness program templates

□ Other (please specify) ………………………………………………………………………………………….

**6. Optional Short Response**

1. What emerging technologies or wellness components do you believe will be crucial for Clinical Laboratory Scientists in the next 5 years? (50 words max)

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Thank you for your participation. Your answers are confidential, and insights will help shape the future of Clinical Laboratory Science education.