

Cleveland O. Lane Jr., PhD

PROFESSIONAL SUMMARY

Dynamic, results-driven, and highly-committed Educational professional with over 15 years of progressive leadership and instructional experience within Prairie View A&M University. Demonstrated career of exceptional experience and promotions most recently as an Assistant Department Head, Manager of Biological Laboratories, Instructor and Business Manager. Earned degrees from two Texas Universities including a PhD in Curriculum and Instruction of Science Education from Texas A&M University as well as a Master of Science Degree in Biology and a Bachelor of Science Degree in Biology from Prairie View A&M University. Extensive background planning and managing budgets and inventory plans, accounts payables, inventory control and purchasing for an entire department. Dedicated to the higher education process serving as a Lecturer, Recruiter, Registration Coordinator and Web-Course Coordinator at Prairie View A&M. An effective leader with demonstrated capability for resolving issues within a team environment, and individually, to ensure student, faculty and administration expectations and requirements are met.

PROFESSIONAL EXPERIENCE

Prairie View A&M University, (Prairie View, TX)

Aug. 1999 to Present

Assistant to Department Head / Manager of Biological Laboratories / Lecturer I / Business Manager/Content Supervisor-Science Education

- Manages and plans the Biology department's budget exceeding \$300,000 and inventory in excess of \$500,000 as well as maintaining accounts payables, interpreting and evaluating reports and data, planning for future purchases and forming effective relationships with vendors.
- Assists the Director of the Pre-Medical Concept Institute in carrying out daily administrative operations including conducting the recruitment and health careers exposure component of the project, coordinating campus visits, hosting an annual health professions conference, participating in pre-health professions meetings and conferences and managing the Biology Laboratory activities of both preliminary education summer programs.
- Developed, prepared and implemented proposals for Increasing Critical Thinking in Biology Laboratories, Technology Supported Inquiry in Laboratories, Reform of Undergraduate and Graduate Curriculum and managed a budget of \$125,000 for the past years.
- Teaches Non-Major College Biology Lectures/Laboratories, Major General Biology Lecture/Laboratories and Anatomy/Physiology Lecture/Laboratories.
- Analyses database of prospective students; develops relationships with high school counselors, teachers and students; schedules recruiting meetings and discussions with faculty and students; visits 3-4 high per day when applicable; performs follow-up contact with prospective students; collects and observes retention data and provides solutions for future development.
- Plans schedules and course assignments for faculty, trains faculty on advising and registering students and advises students on their academic and professional career choices.
- Researches current scientific and instructional technology and provides training materials and instruction for faculty and students for eLearning and WebCT assisted courses. Manages three computer laboratories.
- Content supervisor observe and evaluate students in the classroom.

Twinlab, Inc.,

May 1998 to Aug. 1999

Quality Control Chemist

- Tested, analysed and reported the quality of raw materials and finished products utilizing HPLC, Millenium and other scientific methods.

Antech Diagnostics, Inc.

Oct. 1997 to May 1998

Pathology Technician

- Prepared histology for Pathologists

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Prairie View A&M University, (Prairie View, TX)
Biology Instructor and Biology Laboratory Manager

May 1994 to Sept. 1997

- Prepared lesson plans and instructional materials and instructed courses in College Biology Lecture/Laboratory, prepared the laboratory for use and served as the Laboratory safety coordinator.
- Coordinated the department's purchasing and audio/visual requirements.

EDUCATION

Texas A&M University, (College Station, TX)
Doctorate of Philosophy
Curriculum and Instruction-Science Education

Prairie View A&M University, (Prairie View, TX)
Masters of Science – Biology

Prairie View A&M University, (Prairie View, TX)
Bachelor of Science – Biology/Chemistry

TEACHING EXPERIENCE

- **2008-Present** BIOL 1054 Anatomy/Physiology I; BIOL 1064 Anatomy/Physiology II; BIOL 2404 Anatomy/Physiology
- **2000-2007** BIOL 1054 Anatomy/ Physiology I; BIOL 1064 Anatomy/ Physiology II; BIOL 1015 General Biology; BIOL 1113 College Biology; BIOL 1111 College Biology Laboratories
- **1996-1997** BIOL 1113 College Biology; BIOL 1111 College Biology Laboratory

RESEARCH / INTERNSHIPS

- **Differential Effects of Manipulation of Endoplasmic Reticulum Data sets using Image J Analysis Software for Conceptual Understanding in General Biology course**
Thesis
- **Pathogenesis of Sickle Cell Disease on the Retina – UMDNJ – Newark, NJ**
Summer Research
- **Mycotoxin Production and Oil Degradation – Prairie View A&M University**
Research Assistant
- **Information Technology in Science – Science Education Specialist Program – Texas A&M University**
Graduate Student
- **Information Technology in Science – Science Education Specialist Program – Texas A&M University**
Curriculum Resource Person

TECHNOLOGY SKILLS

- *WebCT* • *Smart Boards* • *PC/MAC Operating Systems* • *ELISA* • *DNA Analyser (LiCor 4300 / E-seq Software)* • *PCR* • *Fluorescence Microscopy (Metamorph Software)* • *Microscopy Imaging*
- *Photoshop*

COMMITTEES

- **Biology Curriculum Assessment & Learning Outcomes-Member**
- **Biology Recruitment and Retention Committee-Chairperson**
- **Biology Research Collaboration Committee-Chairperson**
- **Nursing School Retention Committee-Anatomy and Physiology representative**
- **Anatomy and Physiology Instructional Committee- Chairperson**
- **Environmental Health and Safety Advisory Committee-Member**
- **National Council for Accreditation of Teacher Education (NCATE) –Member**
- **Biology Instructional Technology and Laboratory Development -Chairperson**

PROFESSIONAL DEVELOPMENT AND PROGRAMS

- **iCLICK Conference**
- **McGraw-Hill Anatomy Symposium**
- **National Cancer Institute Contract Workshop**
- **ITS-Science Education Specialist Certificate Program**
- **Presenting Data and Information Edward Tufte**
- **Professional Grant Development Workshop**
- **P.H.I.L.S. –Software Reviewer**
- **Health Careers Opportunity Program – Assistant Director (6 Years)**
- **ITS-Science Education Specialist Certificate Program – CRP (2 Years)**
- **NASA-Pre-Service Science Institute – Science Educator (3 Years)**
- **Introducing Technology in Classroom for K-12 – Science Technology Educator (1 Year)**
- **Training for Faculty in Instructional Technology – (Monthly)**

FUNDED PROJECTS AND PROGRAMS

- **Increasing Critical Thinking in Biology Laboratories (Asst. Director)**
- **Technology Supported Inquiry Learning in Laboratories (Asst. Director)**
- **Reform of Undergraduate and Graduate Curriculum (Asst. Director)**
- **Health Careers Opportunity Program (Asst. Director) (\$250,000) (6 years)**
- **Lecturer Series Partnership between Prairie View A&M University and Kashmere High School (Director)**
- **Prairie View A&M University and Kashmere High School Science Camp (Director)**

HONORS AND AWARDS

- **Prairie View A&M University Service Award**
- **Minority Association Pre-Health Students Leadership Award**
- **Texas A&M University System Teacher Excellence Award**
- **Prairie View A&M University Advisor of the Year**

PROFESSIONAL MEMBERSHIPS

- **Texas Association of Advisors for Health Professions**
- **American Association for the Advancement of Science**
- **National Association of Research in Science Teaching**

- **National Science Teachers Association**
- **Texas Association of Black Professional in Higher Education**