

ASSOCIATE SCIENTIST III - UPSTREAM PD - MAMMALIAN

Profile

Experienced scientist, with publication history and Master's Degree, seeking part-time position.

Skills

Software: Microsoft Office Suite, Adobe, Photoshop, Internet Browsers

Â

Core:Â Data Analysis, Problem solving, Protocol Development, Risk Assessments

Professional Experience

Associate Scientist III - Upstream PD - Mammalian

December 2017 to Current Tractor Supply ¼ Antelope , CA

Implement knowledge/expertise to successfully execute specific aspects of a project.Â Perform transient transfections in bioreactors for gene development in packed bed bioreactors.

- Scientific lead
- Aids in design and execution of the experiments to develop and improve scalable protein production processes utilizing different expression systems
- Collects, analyzes and interprets the experimental data for reports and presentations
- Write standard operation procedures, protocols, process flow diagrams and batch records
- Participation in decision-making processes within the project team by actively engaging in scientific and technical discussions.

Scientific Redactor

November 2017 to May 2018 Social Solutions ¼ City , STATE Anonymize scientific grant proposals for NIH project to study selection bias.

Redact identifying data from grants focused on Cardiovascular and Respiratory Sciences, Social Sciences, and Biomedical Research.

Advanced Biologist

May 2016 to December 2017 Southern Research Institute ¼ City , STATE

Participate in multiple viral and bacterial research contracts performing a wide range of assays.Â Perform method qualifications and validations for client projects in a GLP setting.Â

- Lead technician on multiple projects.
- Oversee project operations from start to finish as well as organizing data and animal titers.
- Perform method qualifications and validations for client projects in a GLP setting following FDA standards.
- Identify and resolve computing and technical issues.
- Provide recommendations to improve experimental methods and procedures.
- Provide data interpretation and summaries to Project Management and Study Directors.
- Wrote 2017 bacterial Biological Project Review (BPR) ensuring that bacterial work currently performed is conducted in a manner that is compliant with CDC and BMBL.

Scientific Support Staff: Immunodiagnostics and Biologics

September 2011 to May 2016 United States Army Medical Research Institute Of Infectious Disease ¼ City , STATE

Participated in ongoing research to develop, test, and optimize assays used for the detection and identification of biological warfare agents as a participant in BPRP, CDC registered to work with select agents.Â Developed diagnostic assays, tested and evaluated diagnostic platforms.Â Â Â

- Performed quality control (QC) testing of biologic products.
- Developed diagnostic assays, tested and evaluated diagnostic platforms and equipment.
- Performed and wrote risk assessments.
- Developed, revised, and reviewed SOPs.
- Performed peer review of assay batch and lab records.
- Team leader of Pathogen Discovery project.
- Received 'Office of the Commander Ebola outbreak support recognition' award.

Research Technician 4: Virology

August 2007 to July 2009 United States Army Medical Research Institute Of Infectious Disease ¼ City , STATE

Worked as the primary associate researching transcriptional changes in human dendritic cells following exposure to filoviruses from inception to finish.Â Among developing protocols also participated greatly in analyzing data received from experiments.Â

- Developed and optimized procedures.Â
- Organized scientific data to be published in a peer reviewed scientific journal.
- Quality control of data.

Senior Laboratory Research Technician

June 2005 to July 2007 Johns Hopkins Medical Institution ¼ City , STATE

Engaged in ongoing research in a BSL-2 pathology lab which focused mainly on the study of cervical cancer as a result of HPV infections. Coordinated with and provided support for multiple research projects. Analyzed and integrated data into reports. Prepared data and statistics for publication. Read and interpreted medical writing into standardized form for clinical study. Manipulated and optimized protocols.

- Worked with multiple national labs on the development of a new molecular tests for cervical cancer.
- Created and maintained a comprehensive database for tracking and annotating hundreds of cervical cytology samples in a bio-repository.
- Analyzed and integrated data into reports for presentation to coordinating labs.
- Prepared data and statistics for publication.
- Read and interpreted medical writing into standardized form for clinical study.

Assistant Manager

June 2001 to December 2002 Factory Card Outlet 1/4 City , STATE

Managed and maintained the front end of a retail store.

- Resolved customer conflicts.
- Performed employee evaluations and training.
- Performed store opening/closing procedures, payroll procedures, and employee scheduling.

Education

Master of Science : Homeland Security , 2015 Towson University 1/4 City , State , USA

MS in Integrated Homeland Security from Towson University.

POST-BACCALAUREATE : Security Assessment and Management Towson University 1/4 City , State , USA

Master of Science : Biology Towson University 1/4 City , State , USA

MS degree in Biology. Degree includes courses in virology and gene expression, infectious diseases, molecular medicine, and physiology.

Bachelor of Science : Biology Loyola College 1/4 City , State , USA

A BS in biology with a strong base in Microbiology, Cell and Molecular Biology, and Genetics. Also an introduction into Immunology and Neurology.

Associate of Science : Sociology Community College of Baltimore County 1/4 City , State , USA

Publications

Coming HYPER *Flask* (R) for Viral Amplification and Production of Diagnostic Reagents

Brian J. Kearney, Matthew A. Voorhees, Priscilla L. Williams, Scott P. Olschner, Cynthia A. Rossi, and Randal J. Schoepp

Diagnostic Systems Division, US Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD 21702, USA

Ke'aki Technologies, LLS, 1425 Porter Street, Fort Detrick, MD, 21702

â€

Evaluation of ViroCyt Virus Counter for Rapid Filovirus Quantitation

Cynthia A. Rossi, Brian J. Kearney, Scott P. Olschner, Priscilla L. Williams, Camenzind G. Robinson, Megan L. Heinrich, Ashley M. Zovanyi, Michael F. Ingram, David A. Norwood, and Randal J. Schoepp

Diagnostic Systems Division, US Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD 21702, USA

Abstract presented at 2015 Chemical & Biological Defense Science and Technology Conference:

Use of FilmArray BT-E Assay for Presumptive Detection of Ebola Zaire Virus

Cynthia Phillips, Matthew Scullion, Gary Uzzell, Rob Crisp, Kevin Bourzac, Jeremy J. Gilbreath and Kristen Kanack, David Norwood, David Kulesh, Brian Kearney, Matt Voorhees, Scott Olschner, and Priscilla Williams

Biofire Defense, Biofire Diagnostics, Salt Lake City, UT 84107-08

US Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD 21702, USA

Ebola Virus Infection Induces Irregular Dendritic Cell Gene Expression

Kalina, Warren, V.R. Melanson, and P. Williams

USAMRIID in house technical report 2014:

Production and *in-vitro* characterization of Kikwit variant of *Zaire ebolavirus* , stock R4415

Cynthia A. Rossi, Brian J. Kearney, Scott P. Olschner, Priscilla L. Williams, Michael D. McNaney, Ashley McCormack, Jeffrey R. Kugelman, Gustavo F. Palacios, Camenzind G. Robinson, Randal J. Schoepp, Mark J. Wolcott, and David A. Norwood

Diagnostic Systems Division, Genomics Division, Pathology Division, US Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD 21702, USA

USAMRIID in house technical report 2013:

Production and *in-vitro* characterization of Angola isolate of *Marburg Marburgvirus* , stock R4410

Cynthia A. Rossi, Brian J. Kearney, Scott P. Olschner, Priscilla L. Williams, Michael D. McNaney, Ashley McCormack, Jeffrey R. Kugelman, Gustavo F. Palacios, Camenzind G. Robinson, Randal J. Schoepp, Mark J. Wolcott, and David A. Norwood

Diagnostic Systems Division, Genomics Division, Pathology Division, US Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD 21702, USA

Poster presented at American Society of Virologist July 2009:

Aberrant Transcriptional Changes in Human Dendritic Cells Following Exposure to Filoviruses

V. R. Melanson, P. Williams, and W. D. Pratt

United States Army Medical Research Institute of Infectious Diseases, Virology Division, 1425 Porter St., Ft. Detrick, MD 21702