

JESSICA CLAIRE

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PROFILE

Experienced Field Application Scientist with a unique balance of comprehensive, academic, wet-bench experience across all research sectors, a strategic understanding of scientific business including field marketing and technical sales, along with an ability to work alongside dynamic, intelligent teammates to close business for the team.

AREAS OF EXPERTISE

- Time and Territory Management
- Molecular Biology Techniques
- Assay Design/Development
- Presentation Skills
- DNA/RNA Sequencing
- PCR
- Cell Biology/Tissue Culture
- Data Analysis/Software

EDUCATION

Johns Hopkins University

Baltimore, MD • 2002

Biotechnology

Biotechnology

East Carolina University

Greenville, North Carolina • 1988

Bachelor of Science: Biotechnology

Biotechnology

PRODUCT SPECIALIST/FAS EXPERIENCE

Department Of Defense - Adjunct Faculty, Zanvyl Kreiger School of Arts and Sciences, Advanced Academic Programs

Las Vegas, NV • 01/2013 - 11/2015

- Co-Designed and Lectured for 12-14 graduate students attending the High Throughput Screening (HTS) and Automation Lab Course
- Designed and executed 7 labs across the spectrum of detection chemistries commonly used in HTS labs throughout the semester
- Provided lectures on the complex physical chemistry principles of all reagents used in the HTS labs Helped educate graduate students on the unique techniques used in an HTS lab as well as the unique instrumentation, software analysis and experimental designs used in these settings
- Created quizzes, exams and a final comprehensive exam required for grading purposes as.

Apex Systems - Senior Field Application Scientist/Product Specialist

Roanoke, VA • 10/2005 - Current

- Member of a regional sales team in our Discovery and Analytical Solutions division of PerkinElmer that includes 3 account managers across PA, DE, MD, DC, VA, NC and SC
- Provide pre-sales and post-sales application support that will generate expected revenues in 2016 of \$5.6 Million in the territory.
- Facilitate relational sales through field support in diverse scientific sectors including: Pharmaceutical, Industrial/Biotech, Government, Military, Academic and Pre-Clinical Labs
- Initiate scientific discussions to introduce and simplify PerkinElmer's high throughput screening reagents, consumables, multi-modal fluorescent plate readers and analysis software for complex small molecule, large molecule, basic biology and liquid-handling-aided, assay development projects
- Interact with users of PerkinElmer's detection chemistries to disseminate technical education to our researcher community through various platforms such as live seminars, webinars, conference calls and individual protocol reviews.
- Collaborate with scientists on the bench for comprehensive, proof-of-concept, wet lab demonstrations of our Alpha, LANCE, DELFIA and Luminescence chemistries in 96, 384 or 1536 well plates in our multimodal plate readers
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- Advise users on the proper experimental (assay) design, provide valuable expertise in constructing matrices for assay development, help construct efficient protocol workflows and assist with rational data analysis for conclusive results or necessary troubleshooting next steps
- Design and execute offsite, internal, applications and instrument trainings for Sales Specialist as well as FAS
- Gather and organize customer feedback from the field for distribution among the appropriate internal organizations such as Field Marketing, Strategic Marketing, R & D, Reagent Manufacturing and Instrument Manufacturing
- Acted on specific customer feedback and applied my background in molecular biology, virology, cell biology and immunology to work with R & D internally to troubleshoot a field issue, design an assay or push a commercial kit idea to provide users with more relevant reagent solutions based on our detection chemistries.

Amgen Inc. - PCR/SDS/Genomic Assays/SPS Technical Application Specialist

New Orleans, LA • 01/2000 - 10/2005

- Provide technical recommendations on applicable Applied Biosystems product lines to internal and external customers through several different formats, telephone, email, voice-mail, or in person
- Act as a liaison between the product group, sales, service and our customers to add value to our offerings through pre-sales, post-sales, service calls and internal interactions
- Maintain leadership role in managing and communicating Sample Preparation Systems information to our TAS group
- Conduct training seminars on Sample Preparation Systems (SPS), PCR, SDS and Real Time instrumentation, chemistry and theory for education of the entire AB Support Organization, Sales and external customers
- Contribute concise sales trainings/support, small staff trainings, and internal colleague interactions to preserve the continuity of the AB message across the organization
- Create and edit support documentation, FAQs, tutorials and instructions as help for customers using AB products, resources and theories
- Train new hires, with critical introductory information, necessary for the knowledge base of a strong TAS.
- Help to update colleagues with new product or theoretical information as we constantly expand our knowledge base Other Responsibilities: Lab Monitor (trainings/Demos), Lab Safety Officer, Administrative duties for TAS group.

National Institutes Of Health, NIAID/LID/Hepatitis Viruses Section - Biologist

City, STATE • 07/1995 - 01/2000

- Constructed a full-length consensus clone of GB Virus B (GBV-B), an animal virus genetically and clinically related to the human Hepatitis C Virus Used nested RT-PCR to obtain viral cDNA from a serum pool chosen as the GBV-B cloning source.
- Discovered novel sequence at the 3' end of the GBV-B genome by a combination of 5' RACE and RNA-ligase mediated RNA circularization PCR methods and proved that it was critical for infection.
- Evaluated viral titers in vivo by nested RT-PCR (5).
- Constructed an infectious GBV- B clone, pGBB.
- Contributed analyzed RT-PCR data to support the current argument that HGV (or GBV-C) was not a hepatitis virus with clinically relevant disease.
- Discovered valuable information about the viability of GB Virus A (GBV-A) and GB Virus B (GBV-B), monkey viruses, to serve as surrogate models for studying their relationship to HCV.
- Performed computer analysis on RNA structures (in-house software) and DNA sequences, using GCG Wisconsin Package, (analysis software), for determining the 5' and 3' ends of the GBV-B genome.
- Created written guidelines for standard laboratory procedures in a Clean Room environment.
- Trained experienced technical personnel to use standard appropriate molecular protocols for contamination control and safety.
- Developed professional relationships with internal and external vendors for cost effective procurement of critical supplies and perishable reagents.

Henry M. Jackson Foundation - Research Assistant II

City, STATE • 06/1992 - 07/1995

- Assembled HIV retroviral vectors for using common cloning methodologies.
- Transfected cloned HIV DNA into mammalian cell lines testing HIV gene expression Tested RNA transcription and DNA integration by Northern blot and Southern blot.
- Applied cell culture techniques to maintain and prepare cell lines for viral studies.
- Analyzed specific transfected cell lines for syncytium formation as a marker of in vitro HIV infection Performed DNA sequence data analysis using an ABI 373 A automated sequencer Synthesized the necessary primers using the oligonucleotide synthesizer ABI 394 Analyzed data using DNA sequence analysis software as well as Sequencer software Contributed molecular biology assistance to scientists studying HIV and SIV infection.

Chemen Inc - Process Development Associate

City, STATE • 02/1989 - 06/1992

- Performed microbiological screening to elucidate proteins with commercial value.
- Conducted chemiluminescent, spectrophotometric assays for protease activity to evaluate novel proteins for further processing.
- Conducted checks for bacterial pH, aeration, glucose levels, and enzyme production Operated 10-1000 L fermenters for production of marketable biologicals.
- Performed DNA sequencing analysis, gas chromatography, protein column chromatography, protein precipitation and enzyme assays as quality controls for biologicals produced in pilot scale.

INTERESTS

30 years of youth sports service including: Co-Director of K-2 league, Coaching (ages K- 8) Basketball, Baseball, Football Tee-Ball and Soccer *Elected to Mother Seton Parish Council (June 2003) *Appointed to St. Paul's Parish Council (June 2012) *2nd Degree Member of Knights of Columbus *Board Member of St. Ann's CYO

AFFILIATIONS

Member: SLAS (Society for Lab Automation and Screening)
Member: LRIG (Laboratory Robotics Interest Group)

ADDITIONAL INFORMATION

- Community Service (Washington Metropolitan Area): 17 years of youth sports service including: Co-Director of K-2 league, Coaching (ages K- 8) Basketball, Baseball, Tee-Ball and Soccer Elected to Mother Seton Parish Council (June 2003) 2nd Degree Member of Knights of Columbus Board Member of St. Ann's CYO

SKILLS

Virology, molecular biology, cell culture techniques, chemistry, data analysis, DNA sequencing, scientific writing, molecular biology techniques, Real Time PCR, RT-PCR, sample preparation, assay design, assay development, assay troubleshooting, scientific presentations, seminars, strategic marketing, leadership, sales, time and territory management