

SCIENTIST

Core Qualifications

Cell/Tissue culture techniques: Cell culture and maintenance, establishment of primary cell lines, aseptic handling, cell viability assays, cell transfection studies, cellular uptake and internalization studies. *Immunology: ELISA, flow cytometry, Luminex, Opsonophagocytic functional assays, and cellular proliferation of assays. *Statistical Software: SAS, JMP, Design Expert *Computer literacy: LIMS, MS word, MS Excel, Power Point.

Accomplishments

- Certifications: SAS Basic Programing Certified.

Education

Dec, 2011

M.S : Statistics Montclair State University 1/4 City , State Statistics

2006

B.S : Biology Lehigh University 1/4 City , State Biology

Experience

01/2016 to Current

Bickford Senior Living 1/4 Raytown , MO

- Oversee and direct the daily activities of up to five junior scientists to support biofunctional assay development, analyze and interpret results from experiments performed by team.
- Perform experiments to assess and improve the performance of biofunctional assays; analyze results from such experiments.
- Perform activities related to biofunctional assay qualification and validation, including quality control sera development and reagent qualification.
- Author or coauthor related documents: SOPs, protocols and reports.
- Participate in high throughput clinical testing team activities and its supportive tasks to support related clinical testing as needed.
- Transfer qualified/validated biofunctional assays to downstream clinical testing groups and external contract labs.
- Train scientific staff in laboratory techniques in order that staff can function independently.
- Satisfactorily completes all cGMP/GLP and safety training in conformance with Departmental requirements.
- Where applicable, performs job responsibilities in compliance with cGMP/GLP and all other regulatory agency requirements.
- Performs other duties as assigned.
- Perform and conduct statistical data analysis using SAS, JMP, and Design Expert for the clinical biofunctional assay group such as but not limited to: equivalence testing, design of experiments, and regression analysis.
- Perform activities related to biofunctional assay qualification and validation, including quality control sera development and reagent qualification.
- Assist in authorship of related documents: SOPs, protocols and reports.
- Participate in high throughput clinical testing team activities and its supportive tasks to support related clinical testing as needed.
- Transfer qualified/validated biofunctional assays to downstream clinical testing groups and external contract labs.
- Train scientific staff in laboratory techniques so that the staff can function independently.

01/2010 to 01/2016

Scientist Apex Systems 1/4 Huntsville , AL

- Perform and conduct statistical data analysis using SAS, JMP, and Design Expert for the clinical biofunctional assay group such as but not limited to: equivalence testing, design of experiments, and regression analysis.
- Perform activities related to biofunctional assay qualification and validation, including quality control sera development and reagent qualification.
- Assist in authorship of related documents: SOPs, protocols and reports.
- Participate in high throughput clinical testing team activities and its supportive tasks to support related clinical testing as needed.
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01/2007 to 01/2010

Scientist I Wuxi Apptec 1/4 Middletown , DE

- Carry out laboratory experimentation specific to the monitoring of humoral and cellular immune responses to various vaccine candidates.
- Support and conduct animal modeling in vaccine candidate evaluation.
- Preparing vaccines samples, injection and bleeding of animals, preparation of serum and processing of tissues.
- Perform analysis of samples from animal studies and detailed record keeping of procedures and results.
- Analyze immune responses to various vaccine candidates using techniques that include various tissue culture techniques.
- Measuring of cellular responses including but not limited to ELISA, Opsonophagocytic, Bactericidal, ELISpot, flow cytometry, Luminex and cellular proliferation of assays.

01/2007 to 01/2008

Assistant Research Scientist New York State Psychiatry Institute 1/4 New York City , NY

- Work on the Prevnar Pneumo 13-Valent Vaccine Project in the Assay Platform Development group assisting in the development of the

Pneumo 13-valent Luminex Assay.

- Responsible for the stability and optimization of the PLL-PS conjugates as well as the stability and optimization of the reagents used in the assay.

Publications

Jasdeep S Nanra, Yekaterina Timofeyeva, Sandra M Buitrago, Bret R Sellman, Deborah A Dilts, Pamela Fink, Lorna Nunez, Michael Hagen, Yury V Matsuka, Terri Mininni, Duzhang Zhu, Viliam Pavliak, Bruce A Green, Kathrin U Jansen, Annaliesa Anderson (2009), Heterogeneous in vivo expression of clumping factor A and capsular polysaccharide by *Staphylococcus aureus*: Implications for vaccine design, Vaccine Journal.

Jasdeep S. Nanra, Sandra M. Buitrago, Shomari Crawford, Jennifer Ng, Pamela Fink, Ingrid L Scully, Lisa K. McNeil, Jos   Miguel Aste-Am  zaga, David Cooper, Kathrin U. Jansen and Annaliesa S. Anderson (2012), Capsular Polysaccharides are an Important Immune Evasion Mechanism for *Staphylococcus. Aureus*, Human Vaccines and Immunotherapeutics Journal

Memberships/Scholarly Societies

  American Statistical Association 

Certifications

SAS Basic Programming Certified

Skills

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