

# ROBERT SMITH

## Associate Research Scientist/Analyst

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Performed microbiological and sterility test of raw materials and finished products  
Developed, validated, and executed assays for microbiological quality control  
Calibrated and maintain laboratory equipment and maintained a laboratory notebook.

**2006 - 2012**

### **ASSOCIATE RESEARCH SCIENTIST/ANALYST - ABC CORPORATION**

- Lead scientist in immunoanalytical group on multiple projects for GLP compliant CRO.
- Perform immunoassays, pharmacokinetic, and neutralizing antibody assays for drugs.
- Process antibodies to drugs from human and animal biological samples and perform method transfers, handle case studies, validations, and sample analysis assays.
- Coordinate with the project manger and with clients to perform specific tasks for each assignment.
- Perform ELISAs utilizing advanced technologies including Bioveris, Mesoscale robotics and automation.
- Responsible for training new personnel on designated projects.
- Contributed in developing PK and ADA assays Draft, validate, and revise standard operating procedures while following all safety and security policies and prescribed GLP practices, policies, and guidelines.

**2005 - 2006**

### **ASSOCIATE RESEARCH SCIENTIST - UNIVERSITY OF WISCONSIN - MADISON**

- Postdoctoral @Electronic and Computer Engineering Department of UW-Madison Silicon photonics Using transfer technique to integrate lasers, modulators and photodectors on silicon substrate.
- Blue and Ultra-violet light emitting devices using silicon membrane transfer.
- Ultra-thin single crystal Germanium nanomembrane photodetecting MOSFET Small footprint low power consumption single crystal VO2 optical waveguide compatible with Si.
- Doctoral @Tsinghua National Laboratory for Information Science and Technology Study on nonlinear dynamics in integrated mutually coupled semiconductor lasers High speed random bit generation by integrated photonic semiconductor devices Random bit generation with bit rate as high as 150 Gb/s is obtained by the combination of oversampling and simple post-process.
- By adopting exclusive OR operation, the bit rate can be further increased to 250

Gb/s.

- Photonic generation of millimeter-wave by coupled DFB lasers and mirroring laser 10-fold frequency multiplication of the modulation frequency has been demonstrated with high spectral purity and a continuous tuning range of several GHz..
- This is Dummy Description data, Replace with job description relevant to your current role.

## EDUCATION

Certificate in Drug Safety Program - (Sollers Institute - Edison, NJ)

## SKILLS

Microbial Physiology, Protein Biochemistry, Polyclonal Antibody Production, Glycomics & Proteomics Analysis, New Product Development, Biomolecular Interaction, Project & Lab Management, Mass/UV/Visible Spectroscopy, ELISA/Western-Blot Analysis.