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## GLOBAL PHARMA, INC., Principal Scientist / Investigator

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**Date Posted:**  
2/05/07

**Opportunity Type:**  
Job

**Period of Employment:**  
Post-Graduate

**Job Status:**  
Full-Time

**Pay Type:**  
Paid

**Brought to You By:**  
Duke University

### EXPERIENCE

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### Interview Schedules

This job does not currently have an interview schedule attached to it.

### Description & Details

**Location:**  
multiple, Multi-State

**Industry:**  
Research

**Job Function:**  
Research

#### Description:

Develop formulations to meet requirements of all clinical phases of development, working closely with analytical scientists and other formulation scientists on pharmaceutical development teams. Use or create innovative formulation solutions for difficult-to-formulate compounds, creating value for Global Pharma Inc and patients. A detailed and fundamental understanding of pharmaceutical science as well as excellent communication and teamwork skills are necessary.

#### Company Profile:

GlobalPharma, Inc. has a challenging and inspiring mission: to improve the quality of human life by enabling people to do more, feel better and live longer. This mission gives us the purpose to develop innovative medicines and products that help millions of people around the world. In fact, we are the only pharmaceutical company to tackle the World Health Organization's three 'priority' diseases - HIV/AIDS, tuberculosis and malaria.

Headquartered in the UK and with operations based in the US, we are one of the industry leaders, with an estimated seven per cent of the world's pharmaceutical market.

But being a leader brings responsibility. This means that we care about the impact that we have on the people and places touched by our mission to improve health around the world.

It also means that we must help developing countries where debilitating disease affects millions of people and access to life-changing medicines and vaccines is a problem. To meet this challenge, we are committed to providing discounted medicines where they are needed the most.

We produce medicines that treat six major disease areas - asthma, virus control, infections, mental health, diabetes and digestive conditions. As a company with a firm foundation in science, we have a flair for research and a track record of turning that research into powerful, marketable drugs. Every hour we spend more than £300,000 (US\$562,000) to find new medicines, especially vaccines and treatments for cancer.

GlobalPharma, Inc. is proud to promote an open culture, encouraging people to be themselves and giving their ideas a chance to flourish. GlobalPharma, Inc. is an equal opportunity employer.

#### Application Qualifications:

Required Degrees: PhD  
Experience Required: Less than 1 year  
Relocation: Yes

Basic Qualifications:  
Ph.D. in Pharmaceutical Sciences or closely related degree

Preferred Qualifications:  
Ph.D. in Pharmaceuticals or Pharmaceutical Sciences with 0 - 3 years of experience in formulation and process development. Experience with solid dosage forms preferred.

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## **BIOTECHNOLOGY RESEARCH APPLICANT**

2607 Five Oaks Drive #58 Durham, NC 27707 (202) 593-8761 candidate@duke.edu

### **PROFILE**

Highly motivated and engaged Ph.D. candidate with strong interpersonal skills and a demonstrated ability to effectively lead and integrate information from various disciplines in a collaborative environment.

### **EDUCATION**

Duke University, Department of Biomedical Engineering, Durham, NC  
Ph.D. candidate, Biomedical Engineering, expected September 2007.  
Concentration in Tissue Engineering  
Certificate in Biomolecular and Tissue Engineering

Howard University, Washington DC, 2001  
B.S. Chemistry, with minor in Mathematics and Allied Health, May 2001. Magna Cum Laude, Phi Beta Kappa

### **AWARDS AND HONORS**

NIH Research Grant Award (2004-Present), Duke Endowment Fellowship (2001-2004) National Collegiate Natural Sciences Award (2001), All-American Scholar (2001), American Chemical Society Scholar (1999-2001), Howard University Honors Program (1997-2001), Legacy Scholarship (1997-2001), National Society of Collegiate Scholars (2000), Golden Key Honors Society (2000), Monsanto Scholar (1999)

### **INSTRUMENTAL & EXPERIMENTAL TECHNIQUES**

Surface Plasmon Resonance Spectroscopy (XPS), X-ray Photoelectron Spectroscopy (XPS), Atomic Force Microscopy (AFM), Enzyme-Linked ImmunoSorbent Assay (ELISA), Fluorescence Activated Cell Sorting (FACS), Western Blot

### **ACADEMIC RESEARCH EXPERIENCE**

Duke University, Department of Biomedical Engineering, Durham, NC  
Graduate Student Research Associate, 2001-Present

- Developed a novel system used to enhanced endothelial cell adhesion to synthetic vascular grafts at short time points
- Authored and assisted principal investigator in preparation of grant applications and conference presentations
- Mentored six undergraduate students through completion of honors thesis projects

Howard University, Washington, DC  
NIH Research Trainee, Summer 1998

- Studied the fundamental electrochemical reduction of two water soluble porphyrins: FeTSPP and MnTAPP
- Methods included cyclic voltammetry, differential pulse voltammetry, and potential dependent UV-Vis Spectroscopy
- Gained exposure to modern analytical techniques

## **INDUSTRIAL CHEMISTRY EXPERIENCE**

Merck & Company, West Point, PA

Medicinal Chemistry Intern, Summer 2001

- Synthesized multi-cyclic quinones to test for VEGF inhibition and subsequent anti-tumor causing activity in dogs and rabbits
- Utilized multiple parallel synthesis techniques to develop ortho, meta, and para substituted derivatives of compounds that showed good activity in the biological assays
- Integrated pharmacokinetic and pharmacodynamic data from the biologists in order to create a class of compounds for high throughput screening

Astrazeneca, Wilmington, DE

Medicinal Chemistry Intern, Summer 2000

- Synthesized various alkylated derivatives using Lithium Diisopropylamine and Sodium bis(trimethylsilyl)amide under anhydrous conditions
- Monitored and purified reactions using flash chromatography, TLC and HPLC techniques
- Gained competence in using Mass Spectroscopy and NMR Spectroscopy to characterize synthesized compounds

Monsanto, St. Louis, MO

Research Assistant, Summer 1999

- Designed and implemented experiments to determine the reaction kinetics of an agricultural compound
- Used determined kinetics in conjunction with NMR and HPLC data to determine a reaction mechanism
- Utilized the reaction mechanism to determine optimum reaction conditions for eliminating an unwanted derivative

## **VOLUNTEER EXPERIENCE**

Duke Street Elementary School , Soccer Coach and BOOST Mentor, 2004-2006

- Coached K-2nd grade students
- Guided three 6th graders through science experiments for a science fair competition, continued mentoring throughout the year, and introduced the students to potential careers in science

## **SELECTED PUBLICATIONS AND PRESENTATIONS**

Applicant. Mylar and Teflon-AF as Cell Culture Substrates for Studying Endothelial Cell Adhesion, *Biomaterials*, Vol. 26, Issue 34, 35-40.

Applicant, (Presenter), E. Clermont, G.A. Truskey, and W.M. Reichert. In Vitro Optimization of Cell Seeding Methods to Improve Endothelial Cell Attachment to Synthetic Vascular Grafts. American Heart Association Conference, Chicago, Ill. November 2006

Applicant, (Presenter) and W.M. Reichert. Strength of Fibronectin Adsorption to Polymer Materials Society for Biomaterials Conference, Pittsburgh, PA. April 2006

## **PROFESSIONAL MEMBERSHIPS**

American Chemical Society, Society for Biomaterials, Biomedical Engineering Society

## **SELECTED ACTIVITIES & INTERESTS**

Member of President's Council on Black Affairs (PCOBA) (2004-2005), President of Bouchet Society (2002-2004), Black Graduate and Professional Students Association (BGPSA) (2001-present), Martin Luther King Jr. Holiday Planning Committee (2006-present), Co-Organizer of Holy Hip Hop Conference(2004), Graduate Assistant in Residence Life (2002-2004), Farsta FC(2002-present), Society for Duke Fellows (SDF) (2001-present), President of the National Organization of Black Chemists and Chemical Engineers (NOBCChE) Student Affiliates (1999-2001), President of the American Chemical Society Student Affiliates (ACSSA) (1999-2001), Member of Big Brother Program(1998-2001), Member of African Student Association(1997-2001)