

FATIMA S. MARANKAN

OBJECTIVE:

Pharmacology or Biochemistry Faculty Position

KEY STRENGTHS

- ★ **Time, Priority & Detail Management** - Prioritizes multiple responsibilities, contributes keen awareness to details and remains extremely productive and proactive under pressure, developed through experience in health profession e-learning program development, accreditation, and management
- ★ **Health Professionals Training Experience** – 14 years of post-secondary teaching experience in medicine and pharmacy at Caribbean Medical University, Curacao Dutch Caribbean, Saint James School of Medicine, SVG Caribbean Campus, University of British Columbia Canada and Canadian Pharmacy Exam Prep-CPEPrep Canada
- ★ **Professional Knowledge & Problem Solving** – Hands-on experience in various health sciences and clinical research techniques. Utilizes advanced knowledge in health sciences to deliver effective training to medical and pharmacy students in-person and using innovative digital methodologies. Advanced experience in curriculum design, implementation, monitoring and improvement to meet emerging trends. Holds two certificates in clinical research. Author of seven competency-based review books
- ★ **Communication & Relationships Skills** - Utilizes listening skills to assess needs and maintains a collaborative, productive and knowledgeable approach to relationships building. Superior teamwork skills. Delivers clear, informative, logical, interactive, and adaptive presentations to students and stakeholders

EDUCATION

- Ph.D.** 2001
Pharmaceutical Sciences/Pharmacology
College of Pharmacy
University of Illinois at Chicago, Chicago, USA
Thesis: Structure-based Drug Design (Development of hematology and Cardiovascular Agents)
- M.Sc.** 1994
Macromolecular Chemistry
Universite Laval, Quebec City, Canada
Thesis: Optimization of Macromolecules Interactions

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RECENT SCHOLARLY ACTIVITY

Fatima S. Marankan. Four keys to the successful development of a systems-based medical curriculum. 2020 Submitted for publication

HONORS & AWARDS

Teaching and Learning Enhancement Award 2006
Design of an innovative immunoassay-based teaching tool
University of British Columbia, Canada

Paul Sang Award 2001
College of Pharmacy, University of Illinois at Chicago, USA

CURRENT CERTIFICATIONS

Medical Education and Research June 2021
Memorial University of Newfoundland School of Medicine, Canada

Online Learning Facilitation 2011
Thompson Rivers University-Open Learning, Canada

Ethical Conduct for Research Involving Humans 2011
Tri-Council Policy Statement (TCPS), Canada

Good Clinical Practices 2011
National Institutes of Health (NIH), USA

Epidemiology 2010
Public Health Agency of Canada

Disease Surveillance 2010
Public Health Agency of Canada

PROFESSIONAL EXPERIENCE

Founder and Director - CPEPrep 2007-Present
Online Pharmacy Continuing Education Program, Vancouver Canada

Accomplishments:

- ◆ Pharmacy online continuing education program development, accreditation, and ongoing evaluation and improvement
- ◆ Developed OSCE training using standardized patients at MOSAIC, Vancouver
- ◆ Led and managed Pharmacy Technician continuing education program accreditation. Accreditation granted by the Canadian Council on Continuing Education in Pharmacy (CCCEP) in June 2017 and June 2018
- ◆ Built partnerships with colleges and other stakeholders across Canada to promote CPEPrep and gain insight into student needs to adapt the training program
- ◆ Authored 7 competency-based review books <https://www.amazon.com/author/dr.marankan>

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Associate Professor and Chair 2020-2021
Biochemistry, Molecular Biology & Genetics; Medical Research Clinical Trials
CMU Medical School, Curacao Dutch Caribbean

Accomplishments:

- ◆ Course development and coordination: Biochemistry & Medical Research Clinical Trials
- ◆ Produced biochemistry and evidence-based medicine lecture materials
- ◆ Created NBME-type questions for practice and assessment
- ◆ Delivered interactive lectures remotely via Zoom
- ◆ Delivered online quizzes using Google forms

Associate Professor and Course Director 2015-2017
Pharmacology & Research in Health and Medicine
Saint James School of Medicine, Chicago USA SVG Caribbean Campus

Accomplishments:

- ◆ Course development and coordination: Pharmacology & Evidence-Based Medicine
- ◆ Produced pharmacology and evidence based-medicine lecture materials
- ◆ Created NBME-type practice questions for students' assessment
- ◆ Led clinical cases discussion
- ◆ Helped students review for NBME exam. NBME exam supervision
- ◆ Medical curriculum monitoring and improvement
- ◆ Faculty Committees membership
- ◆ Student recruitment and counselling
- ◆ Participated in Saint James School of Medicine SVG accreditation review
- ◆ Supervised Research Projects
 1. Prevalence of Chronic Kidney Disease and Peripheral Neuropathy in Caribbean Patients with Diabetes
 2. Screening for Mental Health and Quality of Life in Type II Diabetes Mellitus Patients in St. Vincent & the Grenadines

Senior Instructor-Course Development Consultant 2009-2014
Health Sciences
Thompson Rivers University-Open Learning, Kamloops Canada

Accomplishments:

- ◆ Helped redesign and upgrade BIOL 3131
- ◆ Assumed an academic role in the delivery of BIOL 3131

CEO and Senior Scientist 2006-2009
PhiScreen Inc., Vancouver Canada

Accomplishments:

- ◆ Represented company at various scientific and business events
- ◆ Led PhiScreen to the 3rd round of New Ventures BC competition, 2007
- ◆ Research and development of innovative platform technology with applications in Alzheimer's disease and type 2 diabetes drug discovery

Lecturer and Course Coordinator 2004-2006
Faculty of Pharmaceutical Sciences
University of British Columbia, Vancouver Canada

Accomplishments:

- ◆ Curriculum design and implementation
- ◆ Course development and coordination: Medicinal Chemistry, Pharmacology and Pharmaceutical Sciences

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- ◆ Pharmaceutical Sciences laboratory management and staff training
- ◆ Teaching and Learning Enhancement Award (TLEF)
- ◆ Evaluation of students' research projects

Postdoctoral Fellow in Proteomics/Cancer Research 2001-2003

Department of Molecular Biology and Biochemistry
Simon Fraser University, Burnaby Canada

Accomplishments:

- ◆ Studied the process of apoptosis in cancer cells
- ◆ Evaluated an apoptotic protein as a potential drug target

PROFESSIONAL DEVELOPMENT

Chronic Conditions Self-Management Workshop Leader 2018
Stanford University, USA /UVIC, Canada

Health Canada's Good Clinical Practices, Health Canada 2010

Clinical Trials Management Workshop 2010
Vancouver General Hospital, Canada

Protecting Clinical Trial Subjects and Sites 2010
Royal Columbian Hospital, Canada

PRESENTATIONS

"High Throughput Screening for Alzheimer's drug leads" **Fatima S. Marankan**, Life Sciences Angel Network Meeting, Vancouver, BC, Canada 2007

"Development of High Throughput Screening for Inhibitors of beta Amyloid Aggregation" **Fatima S. Marankan**, TechMed 2007, Vancouver, BC, Canada, 2007

"Expression, Purification and Crystallization of a Novel Apoptotic Domain PAAD" **Fatima S. Marankan**, Kathy Bruce, Stephen Yun, Brady Burgess and Frederic Pio
Eighth Annual Molecular Biology and Biochemistry Colloquium. Simon Fraser University, BC, Canada 2003

"Optimization of macromolecules interactions by random labeling with ionic groups" **Fatima S. Marankan**, Geraldine Bazuin, International Macromolecules Symposium, Cancun, Mexico 1993

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PUBLICATIONS

Fatima S. Marankan. Four keys to the successful development of a systems-based medical curriculum. 2020 Submitted for Publication

Seven Competency-Based Pharmacy Review Books

Author Webpage: <https://www.amazon.com/author/dr.marankan>

Jian Cui, **Fatima S. Marankan**, Wentao Fu, Andrew Mesezar, David Crich and Michael E. Johnson, An Oxyanion-Hole Selective Serine Protease Inhibitor in Complex with Trypsin. *Bioorg. Med. Chem.*, 2002, Jan; 10 (1): 41-6

Soobong Park, Brittany Hayes, **Fatima S. Marankan**, Debbie Mulhearn, Linda Wanna, Andrew Mesezar, Bernie Santarsiero, Michael E. Johnson and Duane L. Venton, Regioselective covalent modification of hemoglobin in search of antisickling agents. *J Med Chem.* 2003 Mar 13; 46(6):936-53