

Farrukh Siddiqui, M.B.B.S (Equivalent M.D), M.S

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Medical Doctor, Research Consultant

Doctor of Medicine with extensive experience in clinical medicine, including patient diagnosis, lab interpretation, surgical procedures, emergency medicine, and critical case evaluation. Excels in quick decision-making, leadership under pressure, and delivering exceptional patient care. Holds a Professional Science Master's in Cell and Molecular Biology with a focus on Research and Biotechnology, offering expertise in molecular techniques and innovative problem-solving. Renowned for a strong work ethic, organizational excellence, and effective collaboration with multidisciplinary teams. A fast learner dedicated to advancing healthcare and driving scientific innovation in molecular medicine.

CORE COMPETENCIES

- Clinical Trial Leadership & Oversight (Phase I–IV)
- Protocol Development & Review (PIP, Pediatric, and Global Studies)
- Medical Monitoring & Safety Signal Detection
- Pharmacovigilance & Adverse Event Evaluation
- Data Safety Monitoring Board (DSMB) Collaboration
- KOL & Stakeholder Engagement
- Regulatory & Ethics Submissions (FDA, EMA, IRB)
- Cross-Functional Team Leadership (CRA, Biostatistics, Data Mgmt)
- AI/ML Integration in Clinical Research
- Risk-Based Monitoring & Quality Assurance
- Global Projects & Program Management
- Investigator & Site Training / GCP Compliance

WORK EXPERIENCE

Clinical Research Director/Business Development Strategist • Full-time

SMS Clinical Research • Dallas • 09/2021 - Present

- Led operational components of major clinical trial projects under PI supervision, supporting participant safety and protocol adherence.
- Analyze and review scientific data, enhancing data quality and accuracy.
- Manage budgets and negotiate contracts, optimizing resource allocation.
- Oversee site activities and feasibility, ensuring compliance and operational efficiency.
- Collaborate on publications and final reports, contributing to scientific community.
- Lead complex clinical trials, overseeing protocol adherence, data analysis, and patient safety across diverse therapeutic areas including vaccines and oncology.
- Spearhead site feasibility assessments, budget negotiations, and monitor activities, driving efficient study execution and resource optimization.
- Coordinate cross-functional teams for scientific data dissemination, report preparation, and publication development, enhancing research impact.

- Implement rigorous quality control measures, ensuring data integrity and compliance with regulatory standards in high-profile vaccine trials.
- Pioneer innovative approaches in gene therapy and emerging treatment modalities, contributing to groundbreaking advancements in clinical research.
- Proven experience in grant writing, program design, project management, and facilitating meetings.
- Capable of working independently, collaborating within teams, and leading teams effectively.
- Strong team collaboration skills, utilizing efficient group processes to meet program objectives.
- Exceptional verbal and written communication abilities.

Medical Doctor • Part-time

Telemedicine Physician (Pakistan jurisdiction exclusively); clinical care not provided to U.S. patients.

Marham • Virtual • 01/2023 - Present

- Led patient care initiatives, implementing evidence-based practices to enhance treatment outcomes. Collaborated with multidisciplinary teams to deliver comprehensive healthcare solutions.
- Pioneered telemedicine protocols, improving access to medical services for remote patients. Developed streamlined diagnostic processes, reducing wait times and enhancing patient satisfaction.
- Achieved notable improvements in patient recovery rates through personalized treatment plans. Conducted research contributing to advancements in medical protocols and best practices.
- Provided compassionate care to diverse patient populations, ensuring their comfort and well-being. Mentored junior medical staff, fostering a culture of continuous learning and professional growth.
- Analyzed complex medical cases, applying critical thinking to diagnose and treat challenging conditions. Utilized data-driven approaches to optimize patient care strategies and outcomes.
- Optimized telemedicine protocols, enhancing remote patient care efficiency and accessibility while maintaining high-quality diagnostic standards.

Team Lead Clinical Researcher • Part-time

WCG • Remote • 08/2021 - 07/2023

- Monitored and reported AEs/SAEs in clinical trials, ensuring compliance with regulatory standards.
- Conducted signal detection and risk assessments to identify emerging safety concerns.
- Collaborated with cross-functional teams to integrate safety data into clinical trials.
- Analyzed clinical trial data and real-world evidence to detect safety signals.
- Contributed to clinical protocols, Investigator's Brochures, and study reports for safety monitoring.
- Delivered training on safety reporting and pharmacovigilance practices to clinical teams.
- Supported audit readiness for safety and pharmacovigilance activities, addressing findings.
- Conducted thorough safety assessments of clinical trials, identifying potential risks and implementing mitigation strategies to ensure participant well-being.
- Participated in Data Safety Monitoring Board (DSMB) meetings, providing safety insights and recommendations for trial modifications or discontinuation.

Clinical Research Coordinator

University of Chicago Medicine • Chicago • 06/2021 - 09/2021

- Coordinated neurology trials, improving patient recruitment and data accuracy.
- Managed IP dispensing and EDC systems, ensuring compliance and efficient operations.
- Supported neurology surgeon, optimizing device trial protocols and integration.
- Conducted trials with precision, achieving reliable and accurate results.
- Utilized EPIC and REDCap for data management, ensuring seamless study execution.

- Streamlined patient recruitment processes, optimizing study enrollment rates. Contributed to successful execution of ZOLL ReCCLAIMM II Reperfusion and Johnson & Johnson device trials.
- Implemented creative solutions to enhance trial efficiency and data accuracy. Adapted quickly to new technologies and methodologies in neurology research coordination.

Clinical Research Coordinator

Chicago Clinical Research Institute • Chicago • 01/2021 - 05/2021

- Coordinated clinical trials, ensuring protocol adherence and patient safety.
- Managed data for vaccine and treatment studies, enhancing accuracy and efficiency.
- Led patient recruitment and maintained comprehensive records for trial integrity.
- Ensured meticulous organization of patient records and study data. Executed precise IP preparation and electronic data capture, maintaining high standards of accuracy in clinical research.
- Fostered seamless teamwork among research staff, coordinating efforts to optimize study execution. Facilitated effective communication between patients, clinicians, and sponsors.
- Streamlined patient recruitment processes, significantly improving enrollment rates. Implemented efficient data management strategies, enhancing overall study productivity and quality.

Research Scientist

State of Michigan COVID-19 Pilot Project/Biotechnology Lab/CHS-G.V.S.U • Grand Rapids • 09/2020 - 01/2021

State of Michigan

- Processed wastewater samples for COVID-19 detection, ensuring accurate and timely results.
- Conducted concentration and extraction of viral RNA, enhancing sample integrity.
- Utilized digital PCR for precise viral quantification, contributing to public health insights.
- Maintained laboratory equipment and protocols, ensuring operational efficiency.
- Performed RT-PCR and data analysis, supporting research and public safety efforts.
- Conducted comprehensive wastewater analysis for COVID-19, utilizing digital PCR and RT-PCR techniques. Implemented rigorous data analysis protocols, enhancing result accuracy.
- Executed precise virus concentration and extraction procedures. Maintained meticulous lab conditions, ensuring optimal sample integrity and experimental validity.
- <https://www.michigan.gov/coronavirus/stats/wastewater-surveillance/wastewater-surveillance-for-covid-19/dashboard>

Graduate Assistant-Instructor • Teaching

Grand Valley State University • Allendale/Grand Rapids • 12/2019 - 05/2021

- Managed lab operations, ensuring optimal conditions for student learning. Developed and administered quizzes, graded assignments, and provided tailored tutoring to enhance academic performance.
- Guided students through complex lab procedures, demonstrating sterile techniques and fostering a safe learning environment. Addressed queries promptly, promoting understanding and confidence.
- Implemented creative teaching methods to simplify complex concepts, resulting in improved student comprehension. Designed interactive quizzes to reinforce key learning objectives.
- Assisted in the preparation and delivery of course materials for students, supporting faculty in course planning, lecturing, and student engagement.
- Helping faculty with data collection, literature reviews, and report writing.
- Supported the management of course-related administrative tasks, including maintaining attendance records and managing course content on learning management systems (e.g., Blackboard, Canvas).
- Facilitated classroom discussions, led study sessions, and provided individual tutoring to enhance student understanding of complex topics.
- Graded assignments, exams, and provided constructive feedback to students to support academic growth.

Medical Doctor

Usman Memorial Hospital • Karachi-Pakistan • 01/2019 - 08/2019

- Managed critical care in emergency and ICU settings, applying advanced medical and surgical skills to improve patient outcomes and streamline treatment protocols.
- Delivered comprehensive care in neonatal and adult ICUs, implementing evidence-based practices that enhanced recovery rates and reduced hospital stay durations.
- Coordinated with multidisciplinary teams to provide holistic patient care, fostering a culture of knowledge sharing and continuous improvement.
- Pioneered new emergency response techniques, significantly reducing critical response times and improving survival rates in high-pressure situations.
- Mentored junior doctors and medical students, sharing expertise in emergency medicine and intensive care, contributing to the development of future healthcare professionals.
- Led critical care in ICU, implementing evidence-based practices that enhanced recovery rates and reduced hospital stays for neonatal and adult patients.

Medical Doctor

Mamji Hospital • Karachi-Pakistan • 01/2019 - 08/2019

- Led emergency medical interventions and managed critical care in ICU, ensuring swift patient stabilization and treatment adherence.
- Coordinated with multidisciplinary teams in medical and surgical wards, fostering seamless patient care and improved recovery outcomes.
- Conducted thorough patient assessments, interpreting complex medical data to formulate effective treatment plans in high-pressure scenarios.
- Implemented novel emergency response protocols, enhancing the hospital's capacity to manage diverse medical crises efficiently.
- Provided compassionate care to patients and families, offering clear communication and emotional support during critical medical situations.
- Conducted comprehensive patient evaluations, synthesizing complex medical data to develop targeted treatment strategies in high-stress emergency scenarios.

Medical Intern • Internship

Abbasi Shaheed Hospital • Karachi-Pakistan • 01/2018 - 01/2019

- Assisted in various surgical procedures, including appendectomy, hernia repair, laparotomy, C-section, circumcision, gunshot wound repair, and amputation.
- Focused on enhancing patient recovery and ensuring high-quality postoperative care.
- Managed emergency care, improving response times and outcomes.
- Supported ICU teams, contributing to critical patient stabilization.
- Conducted comprehensive pre and post-operative assessments, contributing to enhanced patient recovery outcomes and reduced complications.
- Streamlined emergency response protocols, significantly reducing average patient wait times and improving overall care quality in high-pressure situations.
- Integrated seamlessly with multidisciplinary teams across various specialties, fostering knowledge exchange and optimizing patient treatment strategies.
- Implemented novel patient education techniques, leading to improved adherence to post-operative care instructions and accelerated recovery timelines.
- Meticulously documented patient histories and treatment plans, ensuring accurate information flow and facilitating informed decision-making among healthcare providers.

- Conducted pre and post-operative assessments, enhancing patient recovery outcomes and reducing complications in surgical procedures.

Emergency Medicine Clinical Rotation

Hamad Hospital and Medical Corporation • Doha-Qatar • 10/2017 - 11/2017

- Partnered with multidisciplinary teams in emergency medicine, enhancing patient care and fostering a culture of continuous improvement.
- Implemented new patient communication strategies during clinical rotations, significantly improving overall care quality and satisfaction.
- Streamlined patient documentation processes, reducing administrative time and allowing more focus on direct patient care.
- Provided crucial assistance in emergency medicine, surgical procedures, and obstetric deliveries, contributing to positive patient outcomes.
- Evaluated emergency medicine protocols, identifying areas for improvement and proposing data-driven solutions to enhance patient care.

General Surgery Clinical Rotation

Hamad Hospital and Medical Corporation • Doha-Qatar • 11/2017 - 12/2017

- Conducted comprehensive patient assessments, assisting in surgical procedures and post-operative care. Developed critical diagnostic skills and enhanced clinical decision-making abilities.
- Worked effectively within multidisciplinary teams, contributing to patient care plans and surgical interventions. Fostered strong communication skills across medical specialties.
- Meticulously maintained patient records and surgical documentation, ensuring accuracy and compliance with hospital protocols. Improved data management processes for efficient care delivery.
- Actively participated in surgical procedures, gaining hands-on experience in various techniques. Contributed to successful patient outcomes through diligent pre and post-operative care.

Obstetrics and Gynecology Clinical Rotation

Hamad Hospital and Medical Corporation • Doha-Qatar • 12/2017 - 12/2017

- Conducted comprehensive patient assessments, assisted in deliveries, and monitored high-risk pregnancies, enhancing clinical decision-making skills.
- Collaborated on complex obstetric cases, contributing to improved patient outcomes and reduced complications in challenging pregnancies.
- Provided compassionate care to expectant mothers, offering emotional support and education throughout their pregnancy journey.
- Meticulously documented patient histories, treatment plans, and progress notes, ensuring accurate and up-to-date medical records.
- Participated in implementing new prenatal care protocols, contributing to enhanced patient satisfaction and streamlined clinical processes.
- Conducted thorough patient assessments and assisted in deliveries, enhancing clinical decision-making skills in high-risk pregnancies.

EDUCATION

MASTER OF SCIENCE in Cell and Molecular Biology 2019-2021

Grand Valley State University • Grand Rapids

Bachelor of Medicine & Surgery 2012-2018

Liaquat College of Medicine and Dentistry

ACTIVE MEDICAL LICENSE-PAKISTAN

P.M.D.C

CERTIFICATIONS

HIPAA 2021

University of Chicago Medicine

EPIC TRAINING 2021

University of Chicago Medicine

GOOD CLINICAL PRACTICE 2021

Citi Program for University of Chicago

HUMAN RESEARCH 2021

Citi Program for University of Chicago

ASCLS P.A.C.E 2021

Mayo clinical research institute USA

HANDLING AND TRANSPORTING DANGEROUS GOODS 2021

Mayo clinical research institute USA

Clinical Rotation Emergency Department, Darul Sehat Hospital, Karachi, Pakistan 2016

Darul Sehat Hospital-Emergency Medicine

Clinical Rotation Emergency Medicine and Surgery Department, HMC, Al Wakrah Qatar 2017

Hammad Medical Corporation

Clinical Rotation General Surgery Department, HMC, Al Wakrah Qatar 2017

Hammad Medical Corporation

Clinical Rotation OBSTETRICS AND GYNECOLOGY, HMC, Al Wakrah Hospital, Qatar 2017

Hammad Medical Corporation

Basic Life Support 2017

Dow University of Health Sciences

Certificate of Appreciation from President of Grand Valley State University, State of Michigan Cov-19 project, 2021

Grand Valley State University

Leadership and Service to GVSU 2021

Grand Valley State University

Graduate Dean's Citation for Academic Excellence 2021

Grand Valley State University

NIH stroke Scale 2021

NIHSS

Modified Rankin Scale 2021

Web DCU

Conflict of Interest 2021

Citi Program for University of Chicago

Hazardous Material Handling and Transporting 2021

US Department of Transportation

C5491031 COVID Vaccine Study Specific Protocol Training 2021

Pfizer

C3671013 RSV Protocol Specific Training 2021

Pfizer

C5491001 COVID Vaccine Study Specific Protocol Training 2021

Pfizer

Janssen Electronic Inbound Safety Reporting 2.0 2021

Janssen

RSV-MVA-004 Protocol Training 2022

Bavarian Nordic

C5481001 COVID+RSV+FLU Protocol Specific Training 2022

2022

C4781004 Flu Vaccine Study Specific Protocol Training 2022

Pfizer

ENANTA EDP-938-104 RSV Specific Protocol Training 2022

Enanta

219276 RSV + Pneumonia Specific Protocol Training 2022

GlaxoSmithKline

TCK-276-102 Rheumatoid Arthritis Specific Protocol Training 2022

Teijin Pharma-Japan

VAC52416BAC3001 UTI Vaccine Study Specific Protocol Training 2022

Janssen

Basic Life Support - BLS HCP - CPR (Adult / Child / Infant / Choking) Automated External Defibrillation / First-Aid 2023

National CPR Foundation

RSV Vaccine Study Specific Protocol Training 2023

Moderna

Psoriasis Study Specific Protocol Training 2023

Sun Pharma

EFC17561 Eczema Skin Shore Study Specific Protocol Training 2023

Sanofi

C5241007 RSV Protocol Specific Training 2023

Pfizer

C5261002 COVID & FLU Protocol Specific Training 2023

Pfizer

C5491054 COVID VACCINE Protocol Specific Training 2023

Pfizer

C5491054 COVID VACCINE Protocol Specific Training 2023

Pfizer

C4591002 Study Specific Protocol Training 2023

Pfizer

eSource, CTMS, Recruitment Training 2023

CRIO

VCT Study Trial Training 2023

Verified Clinical Trials

C4591023 Covid + Flu Vaccine Study Specific Protocol Training 2024

Pfizer

AZ D8610C0001 RSV + Human Metapneumovirus Specific Protocol Training 2024

AstraZeneca

Patient Forum Focus Session Breakthrough Science and Community Participation 2024

WCG

Gene Editing at the Cutting Edge of Molecular Medicine: Clinical, and Ethical Concerns in CRISPR Clinical Trials 2024

WCG Academy

Decoding the Top Site Challenges of 2024: Empowering Sites for Clinical Trial Success 2024

WCG ACADEMY

MolecuLightDX Training, Testing and Certification in Interpreting Fluorescence Images-2025

MolecuLightDX

Green Light Guru - CAPA Certification-2025

Green Light Guru

Artificial Intelligence (AI) and Human Subject Protection-2025

CITI Program

WCG-ICH E6 (R3) is Here - What You Need to Know-2025

WCG ACADEMY

WCG-Patient Forum Focus Session: Breakthrough Science and Community Participation-2025

WCG ACADEMY

AWARDS & SCHOLARSHIPS

Certificate of Appreciation from President of Grand Valley State University, State of Michigan Cov-19 project, 2021 •

01/2021

Grand Valley State University

Deans Citation Award, Grand Valley State University, 2021 • 01/2021

Grand Valley State University

Michigan Academy Science, Arts and Letters Research Project Detection of Cov-19 , Co-Author of Abstract and Presentation, 2021 •

01/2021

Michigan Academy Science

PROJECTS

Chief Executive Officer & Founder Med Health Zone – Digital Platform for Clinical Research •

02/2025 - Present

Med Health Zone

SCOPE:

Developing a secure digital platform that connects participants, physicians, research sites, and sponsors, **designed to support compliance with HIPAA, FDA, and ICH-GCP requirements**. Enhancing participant recruitment through targeted digital outreach, building centralized tools for site–sponsor collaboration, and supporting physicians in integrating research programs into their practices. Expanding the platform ecosystem to improve trial efficiency while maintaining robust regulatory and data-protection safeguards.

- **Secure Digital Platform:** Connecting participants, physicians, research sites, and sponsors, **designed to support HIPAA, FDA, and ICH-GCP compliance**.
- **Participant Recruitment:** Enhancing recruitment through **targeted digital outreach** and educational initiatives.
- **Centralized Collaboration:** Building tools and systems for **site–sponsor collaboration** and managing active studies.
- **Physician Engagement:** Supporting physicians in **integrating research programs** into their clinical workflows.
- **Platform Ecosystem Expansion:** Expanding to improve **trial efficiency, operational efficiency, and collaboration**.

- **Regulatory & Data Protection:** Designing processes to support **adherence to healthcare regulations and data-protection standards.**

“Project in development”

Chief Medical Officer & Research Scientist-Virtual Remote Assessment of Transcranial Electrical Stimulation in Parkinson’s Disease •

01/2025 - Present

U: The Mind Company

- **Chief Medical Officer & Research Scientist** leading clinical development and scientific research initiatives.
- Design and execute **virtual clinical trials** evaluating the Sphere V3.0 Transcranial Electrical Stimulation device for Parkinson’s Disease motor symptom reduction.
- **Assess safety and efficacy** of non-invasive neuromodulation through remote interventions.
- Collaborate with cross-functional teams including **clinical researchers, regulatory experts, and engineers** to ensure protocol adherence and data integrity.
- Lead **data analysis, interpretation, and reporting** to support device development and regulatory submissions.
- Contribute to **scientific publications and presentations** on innovative virtual clinical trial methodologies.

Director of Business Development-Alliance Physician and Medical Billing • 05/2025 - Present

Alliance Physician and Medical Billing

Scope: Founded and directed a **medical billing and revenue cycle management service** designed to support physicians, medical groups, and healthcare organizations by streamlining billing processes, optimizing reimbursements, and ensuring compliance with healthcare regulations.

Highlights:

- **Developed and implemented digital billing solutions** to improve accuracy, reduce claim denials, and accelerate reimbursement cycles.
- **Built strong partnerships with physicians and practices**, tailoring billing strategies to their unique operational needs.
- **Expanded business networks** by onboarding new physician groups and healthcare providers.
- **Led compliance initiatives** ensuring adherence to HIPAA, CMS, and payer-specific regulations.
- **Drove measurable revenue growth** by optimizing coding accuracy, claims management, and financial reporting.

Results:

- Increased revenue collection efficiency for physician practices.
- Reduced billing errors and denial rates, improving overall financial performance.
- Recognized by clients for reliable, transparent, and results-driven billing support.

Research Consultant-Cutting Edge Next Generation AI • 08/2024 - Present

OUTLIER-Next Generation AI

Scope: Contributing to the development of advanced **AI models for cell biology**, with a focus on enhancing model accuracy, bridging AI and biology, and supporting scientific discovery through data-driven insights.

Highlights:

- **Trained AI models for cell biology**, improving accuracy and enabling deeper biological analysis.
- **Developed machine learning models**, optimizing data evaluation and driving progress in research initiatives.
- **Led data reviews to refine AI models**, delivering insights that advanced scientific projects.
- **Fostered AI-biology collaboration**, leveraging interdisciplinary approaches to address complex challenges.
- **Conducted comprehensive data reviews**, providing actionable insights to improve AI performance and research outcomes.
- **Bridged AI and biology disciplines**, strengthening interdisciplinary teamwork to push scientific boundaries.

Program Director/Mentor - Clinical Research Internship Program • 09/2021 - Present

SMS Clinical Research

Scope: Established an internship program for pre-medical students to gain hands-on exposure to **clinical research operations, regulatory standards, and patient-focused skills**. Designed learning materials, counseling sessions, and supervised training to prepare students for careers in clinical and academic research.

Highlights:

- Developed structured training modules on clinical research workflows and compliance requirements.
- Mentored students on study design, informed consent, and patient engagement.
- Trained participants in practical research processes, including:
 - Electronic Data Capture (EDC)
 - Screening and randomization
 - Conducting and documenting research visits
 - Follow-up and data monitoring
- Introduced regulatory training in HIPAA, Good Clinical Practice (GCP), and IATA biospecimen handling.
- Provided exposure to phlebotomy and clinical site operations.
- Built a foundation of **future healthcare professionals** equipped with applied research experience.

Program Director/Mentor - Medical Billing & Healthcare Operations Internship Program •

05/2025 - Present

Alliance Physician and Medical Billing (Alliance PMB)

Scope: Designed and directed a specialized internship program to train pre-medical students in **medical billing, coding, and healthcare business processes**. The program combines counseling, educational resources, and hands-on training to ensure students develop both technical and professional skills for healthcare administration.

Highlights:

- Created structured modules on medical billing, revenue cycle management, and ICD coding practices.
- Provided students with supervised training in claims submission, denial management, and payer compliance.
- Integrated regulatory education covering HIPAA compliance and healthcare data security.
- Offered exposure to healthcare operations, including patient dealing, documentation, and workflow optimization.
- Strengthened student competencies in healthcare administration, bridging the gap between medical knowledge and operational excellence.
- Helped students gain real-world, transferable skills applicable in healthcare business and practice management.

Career Development Consultant & Coach • 01/2023 - Present

LinkedIn and other Professional groups

Scope of Services

1. Career Assessment & Strategy

- Personalized career evaluation sessions. Tailored career roadmaps (entry, transition, or leadership roles)

2. Resume & Cover Letter Building

- Professional, ATS-friendly resume creation, Tailored cover letters for job applications, LinkedIn optimization for digital presence

3. Interview Preparation

- Mock interview sessions (behavioral & technical), Common and industry-specific interview questions, STAR method coaching for impactful answers, Feedback on body language, tone, and delivery

4. Confidence & Communication Coaching

- Overcoming interview anxiety and imposter syndrome, Public speaking & presentation coaching, Leadership communication skills, and Mindset and performance coaching for confidence building

5. Job Search & Networking Support

- Strategic job search techniques, Networking strategies (LinkedIn, professional groups), How to connect with recruiters and hiring managers, Guidance on negotiation and salary discussions

6. Workplace Success & Growth

- Career transition coaching (switching industries/roles), Leadership and executive coaching, Time management and productivity strategies, Personal branding and thought-leadership building

Target Audience

- Students & fresh graduates
- Mid-career professionals
- Physicians & healthcare professionals entering non-clinical roles
- Executives seeking leadership growth

Expected Outcomes

- A compelling, professional resume and LinkedIn profile
- Improved interview performance and confidence
- Clearer career direction and goal alignment
- Stronger personal brand and workplace influence
- Higher success in job placement, promotions, and leadership roles

Career Development & Mentorship Project - American University of Barbados, School of Medicine •

01/2025 - Present

American University of Barbados, School of Medicine

Business Consultant & Student Mentor

Scope:

Designed and implemented a comprehensive mentorship and career guidance program for medical students, aiming to support their academic, professional, and personal development. The project focused on helping students navigate the complexities of medical education, make informed career choices, and enhance their skillsets for future success.

Key Contributions and Outcomes:

- Guided students in identifying suitable medical specialties and career paths based on their interests, strengths, and goals.
- Provided one-on-one mentorship to improve clinical, research, and professional skills.
- Assisted students in navigating administrative and academic requirements of medical school.
- Developed workshops and counseling sessions highlighting opportunities, challenges, and advantages within the medical profession.
- Offered personalized strategies to enhance student performance, confidence, and career readiness.
- Contributed to measurable outcomes such as improved decision-making, goal clarity, and career satisfaction among mentees.
- Acted as a liaison between students and faculty to address academic and career-related queries.

Pfizer - Vaccine & Infectious Disease Programs (2021–2025)

Contributed as a research support professional to multiple global clinical trials evaluating vaccines for COVID-19, RSV, and influenza, supporting site coordination, protocol compliance, and data quality. Public study links:

- COVID-19 Vaccine Study 2021 – NCT05997290
- RSV Project 2021 – NCT05035212
- COVID + RSV + Flu Project 2022 – NCT05886777
- Flu Vaccine Study Project 2022 – NCT05540522

- COVID & FLU Protocol 2023 – NCT06178991
- COVID Vaccine Protocol 2023 – NCT05997290
- Flu and COVID-19 Vaccines 2024-NCT06821061
- RSV Sub study C 2025 – NCT05035212
- RSV and Shingles Vaccine 2025 – NCT06890416

Business Consultant – Healthcare IT Solutions | BairesDev • 08/2025 - Present

BairesDev

Scope:

Provide strategic consulting to connect IT/AI developers with healthcare organizations, enabling tailored technology adoption. Support healthcare clients in identifying IT solutions while helping BairesDev expand its presence in the healthcare market.

Highlights:

- Matched healthcare providers with IT and AI solutions to improve efficiency, compliance, and patient outcomes.
- Helped healthcare organizations adopt digital platforms, software, and analytics tools for clinical and operational needs.
- Facilitated partnerships, creating win-win opportunities for healthcare clients and BairesDev's IT teams.
- Contributed to business growth by generating new leads and expanding healthcare-focused IT services.
- Drove new business and strengthened healthcare-IT partnerships.

Johnson & Johnson / Janssen — Respiratory & Vaccine Studies (2021–2022)

Supported RSV and antiviral clinical research with focus on trial execution, data monitoring, and site coordination.

- RSV Project – NCT05327816

Research Consulting and Expert Advisory Services - Guidepoint (2023 – Present) •

12/2023 - Present

Guidepoint | Role: Research Consultant / Expert Advisor

Overview:

Providing strategic research and protocol development expertise to optimize global clinical and scientific programs. All contributions are strictly **non-clinical**, non-patient-specific, and for general informational purposes only.

Key Contributions: Led multiple **research consulting projects**, delivering high-level insights that supported protocol evaluation, workflow optimization, and strategic decision-making.

- Collaborated with cross-functional teams to refine **research tools, methodologies, and data-collection frameworks**, contributing to improved study design quality.
- Conducted **analytical reviews of scientific and operational data**, summarizing findings into clear, actionable interpretations for stakeholders.
- Provided **general guidance on protocol structure, feasibility considerations, and regulatory alignment**, without offering medical advice or clinical decision-making.
- Contributed to innovation in **research operations and infrastructure**, informing strategic planning through evidence-based, non-clinical expertise.

GlaxoSmithKline (GSK) — Clinical Trials(2022-2025)

Contributed to clinical trial activities supporting multiple global research programs across vaccine development, infectious disease, immunology, respiratory medicine, and metabolic health. Provided research and medical support through protocol implementation, site coordination, safety monitoring, and data quality oversight. Collaborated with cross-functional teams to ensure regulatory compliance and adherence to Good Clinical Practice (GCP) across industry-sponsored studies.

- RSV and Pneumonia Study – NCT04886596
- A Study on the Immune Response and Safety of Various Potencies of an Investigational Chickenpox Vaccine Compared With a Marketed Chickenpox Vaccine, Given to Healthy Children 12 to 15 Months of Age-NCT05084508

Regeneron — REGEN-COV Monoclonal Antibody Research (2021)

Contributed to clinical trial activities supporting monoclonal antibody studies for COVID-19 prevention and treatment.

- REGEN-COV Study – NCT04426695

Enanta Pharmaceuticals — RSV Antiviral Program (2022)

Supported investigational antiviral clinical trial execution and monitoring.

- EDP-938 Study – NCT04196101

Teijin Pharma (Japan) — Rheumatoid Arthritis Clinical Project (2022)

Contributed to protocol compliance and clinical operations in rheumatoid arthritis studies.

- Rheumatoid Arthritis Study – NCT05437419

Moderna — Maternal RSV Vaccine Study (2023)

Supported maternal immunization research including safety monitoring and site coordination.

- Maternal RSV Vaccine Study – NCT05743881

Bavarian Nordic — RSV Vaccine Development (2022)

Assisted with immunogenicity and safety assessments in RSV vaccine trials.

- RSV Vaccine Study – NCT05238025

Sanofi — Dermatology & Immunology Trials (2023–2024)

Contributed to clinical trial activities supporting multiple global research programs across vaccine development, infectious disease, immunology, respiratory medicine, and metabolic health. Provided research and medical support through protocol implementation, site coordination, safety monitoring, and data quality oversight. Collaborated with cross-functional teams to ensure regulatory compliance and adherence to Good Clinical Practice (GCP) across industry-sponsored studies.

- Atopic Dermatitis Studies – NCT06407934

Sun Pharma — Psoriasis Study (2023)

Contributed to trial support activities for plaque psoriasis clinical research.

- Psoriasis Study – NCT04566666

AstraZeneca — Multitherapeutic Clinical Studies(2025)

Contributed to clinical trial activities supporting multiple global research programs across vaccine development, infectious disease, immunology, respiratory medicine, and metabolic health. Provided research and medical support through protocol implementation, site coordination, safety monitoring, and data quality oversight. Collaborated with cross-functional teams to ensure regulatory compliance and adherence to Good Clinical Practice (GCP) across industry-sponsored studies.

Contributed to multiple trials including ASCVD Events or at High Risk

ASCVD-NCT07000357

AZ RSV + Human Metapneumovirus

Roche Clinical Studies (2025)

Contributed to clinical trial activities supporting multiple global research programs across vaccine development, infectious disease, immunology, respiratory medicine, and metabolic health. Provided research and medical support through protocol implementation, site coordination, safety monitoring, and data quality oversight. Collaborated with cross-functional teams to ensure regulatory compliance and adherence to Good Clinical Practice (GCP) across industry-sponsored studies.

Moderately to Severely Active Ulcerative Colitis - NCT06589986

Abbott — Metabolic & Sensor Technology Studies

Contributed to clinical trial activities supporting multiple global research programs across vaccine development, infectious disease, immunology, respiratory medicine, and metabolic health. Provided research and medical support through protocol

implementation, site coordination, safety monitoring, and data quality oversight. Collaborated with cross-functional teams to ensure regulatory compliance and adherence to Good Clinical Practice (GCP) across industry-sponsored studies.

Effectiveness and Safety Study of the Abbott Sensor Based Glucose Monitoring Systems-NCT02283411

Uniquity Bio — COPD Clinical Trial (2025)

Contributed to clinical trial activities supporting multiple global research programs across vaccine development, infectious disease, immunology, respiratory medicine, and metabolic health. Provided research and medical support through protocol implementation, site coordination, safety monitoring, and data quality oversight. Collaborated with cross-functional teams to ensure regulatory compliance and adherence to Good Clinical Practice (GCP) across industry-sponsored studies.

A Study to Evaluate Solrikutug in Participants With COPD (ZION) (ZION)

ClinicalTrials.gov ID NCT06496620

VOLUNTEERING & LEADERSHIP

ICNA • 09/2021 - Present

International Medical Graduate • Part-time • Dallas, TX

Assisted clinicians with patient intake and chart reviews under direct clinical supervision (volunteer, non-independent clinical role).

- Obtaining medical history, reviewing charts, utilizing diagnostic tools like EKG and X-ray, and supporting accurate patient assessments.
- Collaborate with a team of medical professionals, ensuring efficient clinic workflow.
- Engage in community outreach, fostering trust and expanding healthcare reach.
- Analyze complex medical cases, applying international healthcare standards to enhance patient outcomes and contribute to global health initiatives.
- Foster cross-cultural medical partnerships, bridging healthcare gaps and promoting knowledge exchange among diverse international medical communities.
- Develop creative solutions for resource-limited settings, adapting medical practices to meet unique challenges in various global healthcare environments.
- Drive improvements in patient care quality through implementation of evidence-based practices, leading to measurable advancements in health outcomes.
- Spearhead initiatives to integrate cutting-edge medical technologies, paving the way for advanced healthcare delivery in underserved regions.
- Conduct comprehensive patient assessments, leveraging diagnostic tools to support accurate medical evaluations and enhance treatment efficacy in underserved communities.

PUBLICATIONS

The Role of PRKN Biallelic Loss-of-Function Variants in Parkinson's Disease: A Comprehensive Review •

08/2025

Neuroscience Department, U: The Mind Company ;Manuscript in Progress for Publication

Sub-Investigator & Co-Author

- Contributed as sub-investigator and co-author for a comprehensive review exploring the role of PRKN biallelic loss-of-function variants in Parkinson's disease.
- Assisted in clinical trial activities, including protocol adherence, data collection, and analysis related to genetic and clinical aspects of Parkinson's disease.

- Supported literature review, data interpretation, and manuscript preparation for scientific dissemination.

Michigan Academy Science, Arts and Letters Research Project Detection of Cov-19 • 01/2021

Michigan Academic Science

Co-Author of Abstract and Presentation

- Conducted and led research as a contributing scientist on COVID-19 detection methods.
- Co-authored abstract and scientific presentation, providing key insights and analysis.
- Managed research project workflow, including experimental design and data interpretation.
- Findings published on the official Michigan state website during the COVID-19 pandemic, contributing to public scientific knowledge. (<https://www.michigan.gov/coronavirus>)

SKILLS

Clinical & Medical Skills: Chronic disease management, Clinical assessment, Clinical auditing, Clinical documentation, Clinical epidemiology, Clinical ethics, Clinical governance, Clinical informatics, Clinical medicine, Clinical reasoning, Clinical simulation, Clinical strategy, Clinical trials & clinical trial design, Diagnosis formulation, Diagnostic testing, Differential diagnoses, EKG interpretation, Electronic Medical Records (EMR/EHR) proficiency, Emergency medicine, Foreign body removal, Health promotion & patient advocacy, Infection control & prevention, Injury treatment, IV insertion & management, Lab interpretation, Laboratory procedures, Medical equipment operation, Medical ethics, Medical imaging, Medical record-keeping, Medical research, Medical terminology, Medication administration & prescription, Palliative & end-of-life care, Patient assessment, Patient care (patient-centered/patient-centric), Patient diagnosis, Patient education & engagement, Patient navigation, Patient outcomes assessment, Patient recruitment, Patient safety & safety protocols, Pharmacology expertise, Phlebotomy, Physical examination, Preventive care, Surgical procedures & surgical skills, Telemedicine consultation, Treatment plan development & planning, Triage & prioritization, Vital signs monitoring, Wound care management.

Research & Scientific Skills: Artificial intelligence training, Bioethics, Bioinformatics analysis & tools, Biostatistics, Biotechnology, Cell culture techniques, Clinical trial design & execution, Computational modeling, confocal), CRISPR/Cas gene editing, Cross-functional research collaboration., Data curation & database management, Data mining, Data visualization & interpretation, Disease modeling, Droplet digital PCR (ddPCR), ELISA, Evidence-based practice, Experimental design, Flow cytometry, fluorescence, Genomic sequencing, Good Clinical Practice (GCP), Good Laboratory Practice (GLP), Grant writing & grant management, High-throughput screening, Hypothesis development, Laboratory management, Literature review & critical appraisal, Machine learning in healthcare, Meta-analysis, metabolomics), Microscopy (light, Molecular techniques, Next-generation sequencing (NGS), Omics technologies (genomics, Peer-reviewed publication preparation, Protein purification & analysis, proteomics, Protocol development, Regenerative medicine, Research design & methodology, Research ethics & compliance, Research project management, R programming, RT-PCR, Scientific data analysis, Scientific writing, Statistical analysis for research, Study monitoring & reporting, Systematic review methodology, Translational medicine, Western blotting

Data, Analytics & Digital Health: API integration in digital health, Azure, Big data management, Business intelligence reporting, Clinical decision support systems (CDSS), Cloud-based health platforms (AWS, Data analysis & data interpretation, Data governance, Data privacy & security (HIPAA, Data quality assurance, Data visualization (Tableau, Data warehousing, Digital health, Electronic data capture (EDC), Electronic Health Records (EHR) integration, ETL (Extract, GCP), GDPR compliance), ggplot2), Healthcare analytics & health data analytics, Health informatics & health informatics systems, Health technology & health technology assessment, HL7 & FHIR interoperability, Load) processes, Machine learning & AI in healthcare, Mobile health (mHealth) applications, Natural language processing (NLP), Outcomes measurement, Population health analytics, Power BI, Predictive analytics, Python & R for healthcare data science, Real-world evidence (RWE) analytics, Remote patient monitoring systems, Risk prediction modeling, SAS & SPSS analytics, SQL database management, Statistical analysis, Telehealth technologies, Time series analysis, Transform, Wearable health technology analytics.

Healthcare Systems, Policy & Compliance: Accreditation standards (Joint Commission), Change management in healthcare organizations, Clinical governance frameworks, Compliance monitoring & auditing, Disaster preparedness & emergency planning, Ethical compliance & ethical research practices, Global health systems, Good Clinical Practice (GCP), Good Laboratory Practice (GLP), Healthcare compliance & HIPAA compliance, Healthcare innovation, Healthcare operations management, Healthcare policy development & analysis, Healthcare strategy, Health communication, Health disparities reduction, Health economics & cost-effectiveness analysis, Health equity initiatives, Health policy advocacy, Health promotion, Health systems & health systems research, Health technology assessment (HTA), Institutional Review Board (IRB) submissions, Lean Six Sigma in healthcare, Managed care & reimbursement models, Patient safety & adverse event reporting, Population health management, Process improvement methodologies, Protocol design, Public health program evaluation, Quality assurance, Quality control, Quality improvement, Quality metrics, Regulatory affairs & compliance, Risk assessment & risk management, Strategic healthcare planning, Study budgeting, Study start-up & close-out, Value-based care models.

Leadership, Management & Professional Skills: Adaptability & flexibility, Adaptability to dynamic environments, Budget management, Change management, Coaching & mentoring, Collaboration, Conflict resolution, Critical case evaluation, Critical thinking, Cross-functional collaboration, Decision analysis, Decision-making, Delegation, Effective communication (verbal & written), Emotional intelligence, Goal setting, Innovation & continuous improvement, Interpersonal skills, Leadership, Leadership development, Leadership under pressure, Management, Meeting facilitation, Multitasking, Negotiation & networking, Operational planning, Organizational excellence, Organizational skills, Patient advocacy, Performance evaluation, Problem solving, Project management, Public speaking, Reliability, Resource allocation, Risk management, Self-motivation, Staff training & development, Stakeholder management, Strategic planning, Team building, Teamwork, Time management, Vision setting & execution.