

Nirlep Chhiber

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PROFESSIONAL PROFILE

PhD level educated Life Science Professional with a broad set of skills applicable across different sectors and roles. Having more than five years of experience in the field of research, analysis, project management and laboratory management. Enthusiastic achiever with a solid background in Biochemistry, Molecular Biology and Cancer Biology. Skilled in project planning, data analysis, data management, quality control and scientific writing.

CORE COMPETENCIES

- Advanced knowledge of Life Sciences as evident by earning a doctorate in Sciences with a major in Biochemistry. Additional strong understanding of analytical chemistry, neuro-biochemistry, research methodology, tools and techniques and intellectual property rights
- Excellent relationship builder with advanced skills in biological and chemical systems as demonstrated by effective supervision of cross functional teams in clinical chemistry laboratories; demonstrated initiative, accelerated learning and problem solving to learn handling and management of advanced instruments such as auto-analysers
- Internally motivated with strong leadership and mentoring skills to strategically plan, systemize and follow SOPs to manage own projects as well as projects of graduate students leading to scientific publications and presentations in symposia and conferences
- Exhibited dynamic communication skills by demonstrating the ability to speak at any topic and an ability to answer questions in front of peers as well as in public; communicated the progress of multiple projects, mentees and clinical activities to the concerned authorities
- Systems utilization and technology skills as displayed by proficient use of Windows and Mac operating systems, well versed with MS Office Suite and GraphPad Prism. Working knowledge of Hospital Information Systems.

EDUCATION

Doctorate of Science in Biochemistry, Panjab University, Chandigarh, India Equivalent to Canadian Doctorate Degree (WES)	2011- 2017
Master of Science in Biochemistry, Panjab University, Chandigarh, India Equivalent to 4 years Canadian Bachelor Degree (WES)	2005-2010

PROFESSIONAL EXPERIENCE

TECHNICAL SUPERVISION 2017
*As Senior Resident at Department of Biochemistry,
National Institute of Tuberculosis and Respiratory Diseases, New Delhi, India*

- Led a team of four technicians to oversee clinical chemistry laboratory (in a public hospital setting) in performing testing procedures such as RFT, LFT, TFT, lipid profile, blood sugar, urine and body fluid analysis etc.

- Maintained accurate SOPs and QC procedures, Verified/interpreted results followed by signing of reports; Handled and managed auto-analyser and Roche blood electrolyte analyser
- Tracked and communicated progress of clinical activities to Department Head and Hospital Executive Committee, ensuring a high level of transparency at all times
- Forecasted and planned laboratory needs and maintained the lab; Demonstrated the ability to speak about any relevant topic and answer any questions

TECHNICAL SUPERVISION

2017

*As Senior Demonstrator at Department of Biochemistry,
Post Graduate Institute of Medical Education and Research, Chandigarh, India*

- Managed a clinical chemistry laboratory in a premiere institute of the region by leading a team of 4-5 technicians in performing routine testing in biochemistry namely RFT, LFT, lipid profile, Blood sugar, Urine analysis, Fluid analysis etc.
- Validated, monitored and signed ~400 patient clinical reports and samples daily
- Handled and managed auto-analysers: Beckman Coulter AU5800, AU 2700, AU480, AU400, Roche Modular P800 and blood electrolyte analysers
- Maintained accurate SOPs and quality control procedures to meet requirements for diagnostic laboratory certification.
- Effectively administered weekly schedule for all lab tests for personnel; Implemented timely ordering procedures for consumables such as reagents, lab-ware and test kits for a battery of clinical chemistry tests
- Taught basic concepts of biochemistry and conducted practical examinations

PROJECT MANAGEMENT

2011 - 2016

*As Research Assistant at Department of Biochemistry,
Panjab University, Chandigarh, India*

- Designed, planned and performed experiments to study Rottlerin, a polyphenolic compound (plant product) for its potential effects on hyperoxaluria induced crystal formation in rats, proving rottlerin to be a prospective target to curb kidney stone disease
- Engaged in ethical research practices, extended research focus of the laboratory and learned new techniques rapidly; Applied analytical instrumentation to biological problems
- Prepared and edited materials of 4 research publications in scientific journals and presented the findings in various conferences and symposia
- Mentored and trained 2-3 students per year in planning, organizing and conducting their project work related research and publications

LECTURER

2011

Department of Biochemistry, Rayat and Bahra University, Mohali, India

- Taught dental students (BDS) basic concepts of Biochemistry, prepared syllabus, developed learning materials and graded assignments

Residency Status: Permanent Resident in Canada (Since January 2019)