Liliana Schwartz

Cancer Research Specialist

(608) 555-1234 liliana.schwartz@email.com linkedin.com/in/liliana-schwartz Madison, WI 53703

SUMMARY

Dedicated cancer research specialist with an MD/PhD degree and extensive experience in cancer biology and radiation therapy. Proven ability to launch innovative laboratory programs focused on DNA damage and repair mechanisms, effectively advancing treatment methodologies. Committed to cultivating graduate training while maintaining strong collaborations with peers. Engaged in comprehensive research related to malignancies, teaching roles that bridge academic and practical knowledge for medical students and fellows alike. Eager to contribute toward clinical and scholarly missions at a forward-thinking institute.

EXPERIENCE

Cancer Research Specialist

Radon Health Institute June 2024 - Present Madison, WI

Lead initiatives focused on cancer biology and systems that enhance therapeutic potential. Collaborate closely with faculty on innovative projects and complex studies that address cellular responses to cancer therapies. Engage actively in the mentoring of students and fellows while contributing significantly to administrative tasks supporting institutional aims.

- Established research programs targeting DNA damage and repair pathways linked to cancer progression.
- Fostered interdisciplinary collaboration among faculty to broaden understanding of therapy outcomes.
- Developed engaging curricula to teach oncology and radiation therapy concepts.
- Played a proactive role on committees aimed at enhancing institutional research frameworks.
- Guided the next generation through mentorship and supervision within graduate training programs.
- Publish peer-reviewed findings, increasing collective knowledge of cancer therapeutics.

Research Associate

University of Wisconsin School of Medicine and Public Health August 2022 - May 2024 Madison, WI

Conducted critical research on tumor angiogenesis and its repercussions for cancer growth, implementing advanced genomic and proteomic assessments to support funded projects. Enhanced student learning experiences through structured training models.

- Executed rigorous experiments to study the impacts of angiogenesis on malignant progress.
- Mentored undergraduate students in laboratory methods and analytical processes, fostering skill development.
- Collaborated on securing grants through detailed proposals articulating research goals.
- Presented work statewide in conferences, widening professional contacts and collaborative scopes.
- Created informative materials promoting understanding of updated cancer treatment protocols among the public.
- Improved departmental lab safety practices through contributions to quality control initiatives.

Graduate Research Assistant

University of Wisconsin-Madison September 2020 - June 2022 Madison, WI

Participated actively in researching signaling pathways relevant to cancer and their implications. Actively maintained regulatory compliance within lab settings while ensuring operational efficacy and productivity.

- Investigated cell signaling dynamics influencing oncological phenotypes in laboratory settings.
- Coordinated lab operations striving to meet safety standards and maintain protocols.
- Analyzed experimental results leading to influential publications impacting cancer biology discourse.
- Led interaction sessions among peers to familiarize staff with ongoing research activities.
- Developed documentation aligning with best practice guidelines for reproducibility in research endeavors.
- Collaborated on innovation-driven projects melding insights from various biological disciplines.

LEADERSHIP & AWARDS

- Dean's List, University of Wisconsin-Madison, 2022-2026
- Best Poster Presentation, Annual Cancer Research Symposium, 2024

EDUCATION

MD/PhD

University of Wisconsin-Madison GPA: 3.8 2026 Madison, WI

Coursework: *Cell Biology, Cancer Immunology, Genetics, Pharmacology*

CERTIFICATIONS

- Medical License, Wisconsin 2026
- Basic Life Support Certification 2025

TECHNICAL SKILLS

- **Laboratory Techniques:** PCR, Western Blotting, Flow Cytometry
- **Bioinformatics Tools:** R, Python, MATLAB
- **Statistical Analysis Software:** SPSS, R, GraphPad Prism
- **Cell Culture Systems:** Tissue Engineering, Suspension Cells, Transfection Methods
- **Clinical Trial Management:** Monitoring Systems, Patient Safety, Data Compilation
- **Research Ethics Compliance:** NIH Guidelines, IACUC Protocols, Informed Consent Practices
- **Presentation Skills:** PowerPoint, Academic Writing, Conference Speaking
- **Regulatory Documentation:** IRB Forms, Progress Reports, Grant Applications
- **Networking Platforms:** LinkedIn, ResearchGate, Academic Networks
- **Teaching Technologies:** Learning Management Systems, Online Education Tools, Virtual Engagement Strategies

SKILLS

- Cancer Biology
- Radiation Therapy
- Clinical Research
- Lab Management
- Data Analysis
- Teaching
- Grant Writing
- Genomics
- Proteomics
- Oncology
- Molecular Biology
- DNA Repair
- Cell Signaling
- Angiogenesis
- Tumor Growth
- Student Mentorship

PROFESSIONAL AFFILIATIONS

- Member, Medical Students for Cancer Awareness, University of Wisconsin-Madison
- Volunteer, Community Health Workshops, Madison, WI

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST