

Cannabis Scientist, Researcher & Educator
Forked River, New Jersey, 08731
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[| LinkedIn](#) | [Research Gate](#)

Anna Schwabe, Ph.D.

Professional Summary

Cannabis scientist and educator with over a decade of experience in cannabis research, science, and policy. Proven track record in developing cannabis education programs, leading research initiatives, and advising on regulatory compliance. Strong background in cannabis genetics, laboratory testing methods, and industry policy, with experience consulting cannabis labs on certification and compliance processes.

Core Competencies

Cannabis Science & Genetics | Policy & Regulatory Compliance | Research & Education | Testing Protocols | Laboratory Operations & SOP Development

Professional Experience

Science Account Executive

MyFloraDNA | 2025- Present

- Build strategic partnerships and educate clients about genomic and tissue culture solutions to support biotechnology applications and influence business strategy.
- Identify growth opportunities in pathogen testing, tissue culture cleanup, and CRISPR-based R&D collaborations.
- Collaborate on improving fingerprinting technology and work with scientific and operations teams to ensure technical excellence and high client satisfaction.

Chief Science Operator

TrueCut | 2023- Present

- Direct scientific strategy and development for True Cut's plant identification and traceability platform.
- Oversee large-scale genetic association study to enable accessible intellectual property protections for breeders.
- Lead collaborations with industry partners and academic experts to advance genetic testing and validation.

Chief Operating Officer

CannaGen | 2025 – present

- Oversee daily operations and strategic growth for CannaGen's licensed genetics marketplace.
- Manage platform development, partnerships, and customer acquisition for breeders and cultivators.
- Lead initiatives to expand listings, drive user engagement, and strengthen the licensed cannabis genetics community.

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Laboratory Director

Madison Labs | 2025 – present

- Assisted in developing the establishment of a cannabis testing laboratory, with a focus on developing protocols for accurate cannabinoid and contaminant testing.
- Assisted with ISO/IEC 17025 accreditation and state regulatory compliance, providing insights from a cannabis science perspective.
- Developed Standard Operating Procedures (SOPs) for testing cannabinoids, terpenes, and contaminants, ensuring regulatory adherence while maintaining scientific integrity.
- Collaborated with state regulators to ensure lab operations met industry standards for compliance and consumer safety.

Associate Lecture Professor

University of Colorado, Boulder | 2020 – Present

- Develop and teach undergraduate basic and advanced cannabis science.
- Design educational materials and microcredential programs to support workforce development in the cannabis industry.
- Engage in research, outreach, and public education to promote science-based understanding of cannabis.

Director of Research and Education

420 Organics / Shore Organics | 2021 – 2024

- Led educational programs on cannabis science and policy, creating training materials for professionals and ensuring compliance with the New Jersey Cannabis Regulatory Commission's standards.
- Designed and implemented SOPs for cultivation and cannabis testing protocols, focusing on safety and regulatory requirements.
- Worked on policy initiatives to support cannabis education and industry transparency, collaborating with universities and industry leaders.

Education

Genetics & Biological Education

University of Northern Colorado | 2019

Population Genetics

University of Northern Colorado | 2012

Cellular & Molecular Biology

University of Northern Colorado | 2009

Certifications & Skills

- Cannabis Science & Genetics
- Cannabis Policy & Regulation
- Research Methods & Education

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- SOP Development for Cannabis Testing
- HPLC, GC-MS, qPCR (Familiar with use in cannabis labs)

Publications

[Google Scholar Publication List](#)

References

Available upon request.