



ABSAs

INTERNATIONAL

The Association for Biosafety and Biosecurity

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07. Molecular Biology 101

A distance learning opportunity

August 7 and 14, 2025

12:00 – 3:00 pm (CDT)

Molecular Biology 101 is intended for those professionals that participate in protocol review, facilities planning, and other risk assessment activities but lack a basic understanding of molecular biology and techniques. Following this course, attendees will be able to do more than regurgitate facts and use the new understanding of the principles of molecular biology in various situations at their institution. This course will cover topics such as the chemistry of nucleic acids, DNA replication, RNA transcription, and protein translation, the Central Dogma of Biology, DNA cloning, transfection of prokaryotic and eukaryotic cells, restriction enzymes, and recombinant DNA lab methodologies (including PCR, DNA fingerprinting, sequencing, and detection protocols). While this course will not turn you into a molecular biologist, it will give you enough background information to understand the nature and manipulation of genetic material and hopefully unveil the mystery of deoxyribonucleic acid.

This webinar will be two 3-hour webinar sessions on Thursday, August 7, and Wednesday, August 14, 2025, at 12:00 pm (CDT). For the webinar session, you should plan on logging in 15 minutes prior to the start time. You are required to attend the webinar session, complete and/or access all the modules in the course on the training site to receive the completion certificate through the ABSA International Training Site. The link in the invitation will be unique to the user and cannot be shared.

Upon completion of this webinar, participants will be able to:

- Explain the differences and chemistry of nucleic acids
- Define general molecular biology techniques
- Demonstrate an understanding of the principles of molecular biology used to develop recombinant DNA technology and to show how these technologies are used to study biological phenomena

The webinar will be presented by **James Klenner, MSc, MPH, MPA, RBP(ABSA), CBSP(ABSA)**, Ball State University, Muncie, Indiana

WHO SHOULD ATTEND

- All Safety Professionals
- New Biosafety Professionals
- Non-Scientists that review protocol

COURSE FEES

___ ABSA Members	\$400.00 USD
___ Nonmembers	\$490.00 USD

To obtain the ABSA member rate, the participant will need to be an ABSA member in the **year** in which the training is offered. Course fees include: course handouts, access to the ABSA International training site, and 5 hours of interactive instruction from a well-respected subject matter expert.

Group Discount: 10% off each registration for 3-4 participants from the same organization; 20% off each registration for 5-9 participants from the same organization; 30% off each registration for 10 or more participants from the same organization. *Please call the ABSA Office to register your group.*

QUESTIONS

Please direct questions about this course to:

Kari DeServi, MEd, Director of Education, ABSA Office, 866.425.1385 (toll free), Email: education@absa.org

This course has been approved for 0.75 CM points toward RBP/CBSP recertification. *ABSA International is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for 6.00 P.A.C.E.® contact hours.

The links to the various invitations for the course will be unique to the user and cannot be shared. The links are for single, individual use only. If more than one occurrence of an individual's name is on the Zoom attendee list or a name not of the roster, all instances will be removed from the webinar with no refund. The webinar and its associated links are for single, individual use only.

Registration Form

07. Molecular Biology 101

*Name (First, Middle Initial, Last): _____

Degree(s): Position Title: _____

Affiliation: _____

*Address: _____

*City, State: Country: Zip/Postal Code: _____

*Telephone: _____

*E-mail: _____

(Please provide your preferred email address, which you frequently access)

***Required information**

Payment:

_____ ABSA Members \$400.00 USD

_____ Nonmembers \$490.00 USD

To obtain the ABSA member rate, the participant will need to be an ABSA International member in the **year** in which the training is offered.

Group Discount:

_____ 10% off each registration for 3-4 participants from the same organization

_____ 20% off each registration for 5-9 participants from the same organization

_____ 30% off each registration for 10 or more participants from the same organization

Check enclosed (drawn in a US Bank on US funds; made payable to ABSA International)

_____ Visa _____ MasterCard _____ American Express

Card Number: _____

Expiration Date: _____ CVV: _____

Name on card: _____

To obtain the ABSA member rate, the participant will need to be an ABSA member in the year in which the training is offered. Confirmed, paid participants will be sent detailed information regarding the course within a few days prior to the course. Substitutions allowed with notice by 7/10/2025. There is a 15% processing fee for cancellations prior to 7/10/2025. Cancellations between 7/10/2025 and 7/17/2025 will be refunded at 50% of the course fee. No refunds after 7/17/2025.

The links to the various invitations for the course will be unique to the user and cannot be shared. The links are for single, individual use only. If more than one occurrence of an individual's name is on the Zoom attendee list or a name not of the roster, all instances will be removed from the webinar with no refund. The webinar and its associated links are for single, individual use only.

Register by phone:

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Mundelein, IL 60060
Phone: (866) 425-1385
E-mail: education@absa.org

or On-line:

<http://www.absa.org/>