Learn the basic techniques in molecular biology, hands-on: purifying nucleic acids, analyzing DNA by restriction enzymes, gel electrophoresis, Southern and northern hybridizations, generating nucleic acid probes, cloning and screening for desired clones, DNA sequencing, PCR amplification, and protein analysis by western blotting.

This two-week intensive laboratory workshop is supplemented with lectures and discussions on the basic concepts and principles behind the techniques, their applications, current developments, and related techniques. **No previous laboratory experience necessary.**

When: June 1-12, 2015 excluding weekend  
Starting 9:00 a.m. daily

Where: 203 Life Sciences Building, Penn State University  
University Park, PA

Cost: $750 for Penn State participants, $1500 for others* (fee is for the workshop only, accommodations and other travel-related expenses are not included)

To register: Complete the attached registration form and send with payment to the address indicated in the registration form.

**Space is very limited. Admission is on a first-come-first-served basis.** (NOTE: Faculty and staff get priority over UP campus graduate students who are advised instead to take the regular graduate student course, IBIOS 593, offered every semester.)

For more information, contact:  
E-mail: lje6@psu.edu or qub8@psu.edu  
Phone: (814)-863-5751 or 865-0920

* High school teachers, contact lje6@psu.edu.
Huck Institutes of the Life Sciences Instructional Laboratory in Molecular Biology  
The Pennsylvania State University

Techniques in Molecular Biology Workshop  
June 1-12, 2015

Registration Form

NAME:__________________________________________________________

ORGANIZATION OR PSU DEPARTMENT:_____________________________

MAILING ADDRESS:_______________________________________________

________________________________________________________________

E-MAIL:_________________________________________________________
PHONE:_________________________________________________________

CHECK ONE:

___Faculty     ___Staff     ___Postdoc     ___Non-UP campus student*     ___Other (Specify)_________________

State briefly your reason for attending the workshop:

________________________________________________________________

________________________________________________________________

________________________________________________________________

PAYMENT METHOD (admission is on first-come-first-served basis*, payment must be received with registration no later than April 30, 2015):

___IDCC ($750, credited to Account 430-47 3120C, send to user ID: qub8)

___Personal check payable to Penn State University ($750 for participants from PSU, $1500 for non-PSU participants)

Send completed registration form with payment to:
MS. Carinda Kormanick  
Huck Institutes of the Life Sciences  
201 Life Sciences Building  
University Park, PA 16802

*University Park graduate students receive low priority and are advised instead to take the regular graduate student course, IBIOS 593, offered every semester.