



Life Sciences Summer Institute

Teacher Externship Program

July 8, 2010-July 23, 2010



Program Description:

The Teacher Externship Program, a part of the Life Sciences Summer Institute (LSSI), has been developed to help increase awareness of the local life sciences industries to those individuals who are most influential in the development of our future workforce, teachers. Teachers will gain exposure to the industry through hands-on laboratory curriculum training, company externship experiences, curriculum integration, along with sharing and networking among peers.

Key Features of the Program:

- **Curriculum Training (Standards Based):** High school and community college teachers are trained on the AMGEN-Bruce Wallace Biotechnology Laboratory Program Curriculum at the Biogen-Idec Community Laboratory.
- **Externships:** Teachers visit a variety of industry sites for half day “externships” to view both hard and soft skills in practice. Exposure to working professionals allows teachers the opportunity to explore educational outcomes in the workplace.
- **Ongoing Support for Curriculum Implementation:** Teachers who have no equipment or follow on support receive free supplies, loaner equipment, and staff support to implement the curriculum.
- **Continuing Education Credits:** Available for qualified applicants through Cal State San Marcos Continuing Education.

The 12-day paid program begins on a Thursday with an introduction to the industry, laboratory safety procedures, and program overview; followed by laboratory curriculum training, half-day industry externship experiences, curriculum connection and implementation workshops, as well as teacher “best practices” share-outs (please visit www.matsc.org or www.sandiegatwork.com for example of previous year’s schedule).

The LSSI Teacher Externship Program will run from July 8, 2010-July 23, 2010 at Biogen Idec in their state-of-the-art Community Laboratory facility, some labs performed throughout the program will be supplemented with equipment and supplies from Life Technologies and the Amgen Foundation. Compensation for completion of the program will be paid in the form of a stipend (\$1,500) distributed weekly by a temporary staffing agency, covering worker’s compensation and liability.

Eligibility Requirements:

- Applicants must be teaching lab-based courses in the biological, chemical, or physical sciences at a public or private high school or community college within San Diego County.
- Applicants must show interest in continuing their own education and in bringing new information and ideas to their students.
- Applicants must be able to commit to 40 hrs/wk for the duration of the 12-day program.
- Applicants must be able to provide their own transportation to Biogen Idec each day of the program
- Applicants must agree to implement *new* curriculum in their classroom during the approaching school year and in subsequent years, with the support of the program staff from Southern California Biotechnology Center.

Application and Selection:

Completed applications and supporting documentation (see checklist) must be provided as a single packet postmarked by **SATURDAY, MARCH 27, 2010**. Applicants are required to send all pieces of their application to us in one envelope. Once your completed application is received, copies will be submitted to the LSSI Teacher Applicant Selection Committee to review and score each application. On April 8, 2010 the Applicant Selection Committee will convene to review the scores of all applications in order identify applicants for acceptance. Letters will be mailed to all applicants regarding their participation in the 2010 LSSI Teacher Externship Program no later than April 16, 2010.

LSSI Teacher Externship Program Application Checklist

Please assemble your application in the following order:

1. Stamped, self-addressed Acknowledgement Postcard (you will need to include a postcard with your application) with the following message: “This acknowledges that your application for the LSSI Teacher Externship Program has been received and is complete for further processing”
2. This checklist, placed on top of the rest of the documents, with the postcard affixed
3. Resume
4. Application form (please make sure all information is included and complete)
 - a. Essay
 - b. Media release form
5. Recommendation form with attached narrative. Please provide one recommendation form with attached narrative, completed by your School Principal.

**Note: Please ensure your recommendation is in a sealed envelope*

I certify that this application packet is complete and accurate.

Printed Applicant Name

Applicant Signature

Date: _____

Make a copy of your complete application packet for your records and submit all necessary (original) documents in a single envelope to the following address, POSTMARKED NO LATER THAN SATURDAY, MARCH 27, 2010.

LSSI Teacher Externship Program
Attn: Erika Aranguré
San Diego Workforce Partnership Inc.
3910 University Ave., Suite 400
San Diego, CA 92105

***NOTE: Late and/or incomplete applications will not be accepted. All applications will become property of the San Diego Workforce Partnership, Inc. and will not be returned.**

If you have any questions regarding your application, or LSSI please email biotech@workforce.org.

Applicant Information:

Name: _____
Last First Middle

Mailing address: _____
Street Address or Post Office Box City/State Zip

Telephone: _____ E-mail: _____

Date of birth: _____

Gender: ____ Male ____ Female

Ethnic Identification (please check one):

- Hispanic or Latino
- Black or African American (Not Hispanic or Latino)
- Native Hawaiian or Other Pacific Islander (Not Hispanic or Latino)
- American Indian or Alaska Native (Not Hispanic or Latino)
- Two or more races (Not Hispanic or Latino)
- White (Not Hispanic or Latino)
- Asian (Not Hispanic or Latino)

San Diego County School: _____
School name District

How long have you taught at the above school: _____ Overall years teaching: _____

Education Background: _____
College/University Major

Graduate Education (If any): _____
College/University Major

Would you be interested in purchasing continuing education credits for professional growth assistance for your participation in the LSSI Teacher Externship Program?

Please Circle: YES NO MAYBE

U.S. Veteran/Spouse Status: *Please Circle:* YES NO

Disability Status: *Please Circle:* YES NO

If offered employment with LSSI, will you be able to provide documentation that you are a citizen, national, lawful permanent resident or alien authorized to work in the United States and at LSSI in the position applied for on the first day of work? *Please Circle:* YES NO

*As a condition of employment with LSSI, successful candidates must provide written documentation to prove either citizenship or proper authorization to work in the United States. Specific instructions will be provided prior to your first day of employment regarding legally required documentation.

Applicant name: _____

Teaching Background / Professional Development: (continue on additional paper if necessary)

List all subjects/courses that you are currently teaching or will be teaching during the 2010-2011 school year. (please specify grade level taught as well as those that include laboratory work).

Subject/Course: _____ Grade level: _____ Lab (Y/N): _____

Briefly describe any previous hands-on lab experience you may have either teaching or in a past career. If so, specify where and when: (lab experience is not a requirement for admission)

List three standards that you would like to address with additional lab focused teaching tools. Please explain why.

1. _____

2. _____

3. _____

List any professional development courses/programs you have attended or taught in the past 3 years.

Course/Program: _____ Dates: _____ Duration: _____ Compensation (if any): _____

Applicant name: _____

General Information:

Extracurricular interests/hobbies, including any honors or awards: _____

How did you hear about the LSSI Teacher Externship Program? _____

Have you applied (or do you plan on applying) for any other summer position(s)?

Please Circle: YES NO

If yes, where? _____

Do you have any prior commitments or circumstances that conflict with the externship program dates and/or limit your participation in a 40-hour workweek? *Please Circle:* YES NO

If yes, please explain. _____

Closed toed shoes are a must when working in the lab and visiting life science industry companies. Do you own closed toed shoes and agree to wear them throughout the 12-day program?

Please Circle: YES NO

Essay:

Please briefly address the following questions in a short essay, not to exceed 1000 words. ***Please attach your typed essay to your completed application packet***

- How do you currently address biotech related skills in your classroom?
- How will your exposure to the life sciences industry benefit you and your students?

Certification / Consent:

___ This certifies that the information I have entered on this form is complete and accurate.

___ I acknowledge that I will treat as confidential all information that I may read or hear, directly or indirectly. If accepted for the LSSI Teacher Externship Program, I agree to conform to the rules and regulations of the Institute. I understand that I will be required to wear closed toed shoes throughout the program and will be expected to participate in all activities and assignments. I acknowledge that either the Institute or I may discontinue my status at any time and for any reason.

___ If accepted for the LSSI Teacher Externship Program, I will attend the program in its entirety, from July 8, 2010-July 23, 2010.

Signature of Applicant:

_____ **Date:** _____

Applicant name: _____



MULTIMEDIA PUBLICITY/PRIVACY RELEASE

I hereby irrevocably grant to San Diego Workforce Partnership, Inc., its subsidiaries, affiliates, nominees, licensees, their successors and assigns, and those acting with its authority (hereinafter collectively referred to as "SDWP"), with respect to (a) my story, (b) voice, and/or (c) photographs, film or tape (the "Materials") taken of me or relating to me by or on behalf of SDWP, the unrestricted, absolute, perpetual, worldwide royalty-free license and right to:

- (1) Reproduce, copy, modify, create derivatives in whole or in part, or otherwise use the Materials or any part thereof in combination with or as a composite of other matter, including, but not limited to, text, data, images, photographs, illustrations, animation and graphics, video or audio segments of any nature, in any media or embodiment, now known or hereafter to become known, including, but not limited to, all formats of computer readable electronic, magnetic, digital, laser or optical-based media (the "Works"), and
- (2) Use and permit to be used my name, whether in original or modified form, in connection with the Works as SDWP may chose, and
- (3) Display, perform, exhibit, distribute, transmit or broadcast the Works by any means now known or hereafter to become known.

Waiver and Release

I hereby waive all rights and release SDWP from, and shall neither sue nor bring any proceeding against any such parties for, any claim or cause of action, whether now known or unknown, for defamation, invasion of privacy, publicity or personality, false light, or any other matter, whether based upon or relating to the use and exploitation of the Materials or otherwise.

I agree that there shall be no obligation to utilize the authorization granted by me hereunder. The terms of this authorization shall commence on the date hereof and be without limitation.

Sign Here ⇨ _____ Print name _____ Date: _____

Witness Sign Here ⇨ _____ Print name _____ Date: _____



Please complete this recommendation form and return it to the applicant in a sealed envelope.

Applicant's Name (please print): _____

Name of Evaluator: _____

Evaluator's Title: _____ School/Institution: _____

Address: _____

Telephone: _____ Email: _____

How long have you known the applicant? _____

Please place check marks in the boxes that represent your evaluation of the applicant.

	Needs Development	Competent	Excellent	Outstanding	No basis for judgment
Energy and initiative					
Subject area knowledge/ professional development					
Ability to work independently					
Ability to work in a group					
Ability to lead/influence other faculty					
Organizing/Planning					
Adaptability/flexibility					
Innovation/resourcefulness					
Skill in creating the learning environment					
Skill In managing class time					
Skill in making content relevant					
Timely response to administrative requirements					

In an attached letter please provide additional comments that will help us to assess this applicant.

Areas that might be addressed include:

- The benefits you feel the applicant would receive from this program and what he or she might contribute
- The benefit you feel the school would receive from the applicant's participation in the program
- Personal qualities of the applicant that might particularly recommend him or her for this program

Signature: _____ Date: _____

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