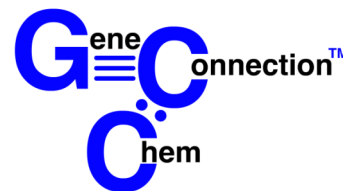




**GENE CONNECTION: CHEM CONNECTION
JOB DESCRIPTION
POSITION ANNOUNCEMENT**



Biotechnology / Environmental Science Educator / Mentor

Application Deadline: Open until filled or by May 15, 2010

Position: GCC Biotechnology / Environmental Science Educator / Mentor

Salary: Salary and Benefits commensurate with experience and background of the individual.

Starting Date: June 1, 2010. Exact date and terms of employment negotiable.

Work Location(s): Primary: GCC lab and office at Cañada College
4200 Farm Hill Blvd., Redwood City, CA
Secondary: Various high schools in San Mateo County
Occasional: GCC office at San Mateo County Office of Education
101 Twin Dolphin Drive, Redwood City, CA

Appointment: June 1, 2010 through June 30, 2011, with annual renewals based upon satisfactory job performance and on-going funding.
Full-time, 100% FTE
Flexible workday equivalent to 40 hrs/wk, some evenings and weekends required.

About the Organizations

Bay Area Biotechnology Education Consortium (BABEC)

Founded in 1997 by regional biotechnology education outreach partnerships and supported by educators, scientists, community foundations, and philanthropists, BABEC is committed to assisting the classroom science teacher with resources, curricula, and professional development to enable hands-on laboratory experiences that reflect the advancing technological and bioethical developments within the biotechnology field. A 501(c)3 tax-exempt non-profit California organization, BABEC collaborates with some of the leading biotechnology and health companies in the world, including Genentech, Amgen, Life Technologies and LifeScan. As a leader in science education, BABEC networks with other outreach organizations and educational entities locally and internationally such as the Exploratorium, Bio-Link, BayBio Institute, the Tech Museum, Resource Area For Teachers (RAFT), the Community College, University of California and California State University systems.

Gene Connection:Chem Connection (GCC)

GCC - or simply Gene Connection - is the San Mateo County partnership and a BABEC member. Its lab facilities and office are located at Cañada College. The San Mateo County Office of Education serves as its fiscal agent. Gene Connection serves all high schools within San Mateo County including public, private, alternative and charter schools. The GCC staff provides everything - the equipment, supplies, materials, reagents, etc. - that a high school science teacher would need in order to teach a 4- to 6-week biotechnology unit. The GCC staff also provides individualized assistance and support for new and veteran teachers. Over 100 - or about 95% of all biology/life science teachers and nearly 11,000 students are served by the program each year. Gene Connection recently celebrated its 20th year of service.

Position Description

Under the direction and supervision of the GCC Program Leader and/or Administrator, the Biotechnology/ Environmental Science Educator/Mentor will provide technical assistance and support for GCC teachers, assist/mentor teachers new to GCC and plan/conduct various workshops for new and veteran teachers. S/he will respond to requests from GCC teachers for kits, materials and/or supplies, meet and plan with them prior to the kit(s) coming to their schools. The ideal applicant should be able/willing to model/team-teach the GCC labs, thus demonstrating his/her ability to provide exemplary classroom instruction. Using their environmental science background and expertise, s/he will collaborate with individual or groups of teachers to develop new environmental science lab activities and curriculum. S/he should be able to provide support and assistance with GCC technology, such as with classroom sets of laptops and special

GCC software. In general, the person in this position is expected to work relatively independently AND collaboratively in her/his position, applying the highest professional standards to her/his work.

Minimum Required Qualifications

Education & Experience

- Bachelor's degree in biology, biochemistry, life sciences or other STEM-related field from an accredited college of university
- 5 or more years of high school science teaching experience, preferably in biology or a related field

Licenses & Other Requirements

- Valid CA secondary teaching credential in biology or a related science field
- Valid CA driver's license and auto insurance policy
- Access to various technologies, including a cell phone, computer and at-home Internet service

Desired Qualifications

- Experience in teaching a GCC or other biotechnology program curriculum unit/labs
- Experience in teaching environmental science lab activities and/or curricula
- Experience in developing/writing environmental science lab activities and/or curricula
- Expertise in mentoring (formally or informally) high school science teachers
- Experience in using educational technology in a classroom setting

Duties & Responsibilities

- Assist GCC teachers in implementing the GCC biotechnology program in general and the environmental science program specifically
- Plan and implement various forms of assistance to teachers in the GCC program
- Coordinate and help fulfill the Oracle environmental science grant outcomes and deliverables
- Develop, pilot and/or field-test new environmental science labs, lesson plans, and/or curricula
- Assist GCC teachers in the use of the GCC-supported technology, including the use of the GCC laptops and the GCC-identified technology resources
- Mentor and support teachers new to GCC
- Model and/or team-teach lessons in a GCC teacher's class
- Meet and plan the implementation of the GCC curriculum with the GCC teachers at a school site
- Deliver some reagents or materials to schools
- Plan and conduct appropriate professional development sessions, including the annual GCC Fall Kick-Off and new teacher workshops
- Plan and present aspects of the GCC program at various conferences, such as CSTA, NABT and NSTA.

As a GCC staff member, additional duties and responsibilities include:

- Collaboration with, and assistance to, all GCC staff members, whenever appropriate or needed
- Participation in all GCC staff meetings and monthly Steering Committee meetings
- Attendance at appropriate conferences and workshops
- Assistance in obtaining future funding for GCC
- Being an enthusiastic and collaborative GCC team member
- Other duties and responsibilities as assigned by the GCC Program Leader and/or Administrator

Knowledge, Skills & Abilities

Knowledge of:

- Educational research and references that support the notion that ALL students can learn and be successful in science courses
- Basic biotechnology laboratory procedures for various lab activities, such as recombinant DNA and PCR labs
- Existing environmental science programs, curricula, and/or lab activities
- Effective practices, procedures and techniques involved in the planning and delivery of professional development activities

Skills in:

- Interacting with and assisting teachers
- Tactfully and empathetically communicating and working with individuals from diverse cultural or socio-economic backgrounds
- Planning and implementing effective professional development activities

Ability to:

- Assist and/or mentor high school science teachers, especially new teachers
- Demonstrate how to effectively teach students with a wide range of English language skills and/or academic achievement levels
- Collaborate with teachers to develop GCC environmental science labs, lessons plans and curricula
- Demonstrate the use of appropriate educational technology in a science classroom
- Establish and maintain cooperative, collaborative and effective working relationships with others
- Communicate effectively both orally and in writing
- Facilitate groups in planning, problem-solving and decision-making
- Operate a laptop computer, a LCD projector and other appropriate educational technology
- Manage schedules and time lines; meet deadlines
- Prepare and maintain various reports, records and files
- Work independently with little guidance or specific directions
- Plan and organize work on a daily, weekly and monthly basis
- Contribute to and/or write grant proposals
- Speak Spanish or another language (desirable)

Compensation & Benefits

In addition to competitive salaries, BABEC offers flexible benefit plans with pre-tax elections which include: Medical and Dental insurance, Social Security, Long-term Disability, flexible vacation days

Funding and support for this BABEC position is the responsibility of GCC. This may include a GCC-site office, cubicle or desk space with shared computer, phone, email, and fax access, plus access to a laboratory and necessary equipment for developing, preparing and testing lab protocols. Equipment similar to that used in the schools should be used whenever possible. BABEC will serve as the HR employer of record and provide necessary and required insurance, benefits and liability.

Application Procedure

An employment application is available online at <http://www.babec.org>. **Completed applications with letter of interest and resume or curriculum vitae may be mailed to:**

**Dr. Katy Korsmeyer
SCCBEP/BABEC
San José State University
One Washington Square
San José , CA 95192-0101**

Or emailed to <kuokaty@scientist.com> (Word or PDF) with signature on application.

Applicants will be screened for relevant qualifying experience. Additional screening mechanisms may be implemented in order to determine candidates' qualifications. Only those candidates most qualified will be invited to an interview. Applicants meeting the minimum qualifications are not guaranteed advancement to the interview.

Policy of Nondiscrimination on the Basis of Disability and Equal Opportunity Statement

BABEC does not discriminate on the basis of disability in employment or in the admission and access to its programs or activities. Persons with disabilities who might need accommodations during the application and selection process should contact Katy Korsmeyer at 408.924.4814; or in writing at the address listed on the job announcement as soon as possible after filing the application.

**Minorities, Women, and Persons with Disabilities are Encouraged to Apply
BABEC is an Equal Opportunity Employer**