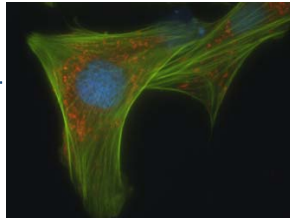


## Join the new **Microscopy** Program!

- Are you looking for a meaningful career in science?
- Do you want to create beautiful images?
- Join the microscopy field and access the exciting world of confocal and electron microscopes!
- Find fulfilling, well-paid employment with Biotechnology companies throughout the Bay Area and Silicon Valley High-Tech companies.
- 2 semester certificate or 2 year AS degree.
- Extensive hands-on training with the newest high-end microscopes.
- Opportunities for original research and publication.
- Internships.
- Job placement.
- Entry-level salary range: \$40,000-\$70,000 per year.




### Start here!

**Introduction to Microscopy,**  
BIOL 35, Code 1248  
6:30-9:00 p.m. Tuesday and Thursday  
1:00- 5:00 p.m. Saturday  
Spring 2008

Contact: Dr. Gisèle Giorgi  
ggiorgi@peralta.edu, (510) 436-2618

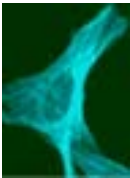
[www.merritt.edu/microscopy](http://www.merritt.edu/microscopy)




### Discover us!

- Tuition is only **\$20** per unit!
- Small class sizes of 30 students or less.
- Peaceful, scenic campus with stunning views of the Bay Area.
- Ample, inexpensive parking on campus.
- On bus route 54 (which connects to Fruitvale Bart).
- All students have access to the library, gym, computer center, and health center.
- Free tutoring for students.
- Financial aid available.
- Year-round courses, including many in the evenings and on weekends.
- Top-notch instruction, transferable to other Colleges and Universities.
- Excellent choice for life-long learners, and for career transitions.
- Part of the Peralta Community College District.
- Supported by your tax dollars.

**We change lives.**



**Merritt College**  
12500 Campus Drive  
Oakland, CA 94619  
510-531-4911  
[www.merritt.edu](http://www.merritt.edu)



## Merritt College Microscopy Program

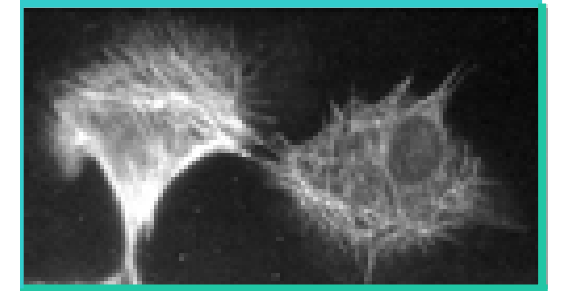


Photo: two cells reach out to each other

### **FOCUS ON THE FUTURE!!!**

**Learn how to take beautiful images!**

**Gain in-demand training on high-end microscopes!**

**Access a booming employment field!**

**Participate in exciting developments in biomedical research!**

***Change your life, change the world.***

[www.merritt.edu/microscopy](http://www.merritt.edu/microscopy)

## Job opportunities.

The two main sources of employment and job growth in the Bay Area are biotech companies and the high tech industries of Silicon Valley. The one thing these industries have in common is their use of high-end microscopes. Specialized training is necessary to operate these microscopes.

These jobs require both people skills and technical skills. You will work with both your hands and your head. Typically, your workweek will have a lot of variety: you will need to be both a self-starter and a team player. Naturally, a love of beautiful images is a must! The advancement potential is excellent.

Our training will allow you to access well paid, fulfilling employment in rapidly expanding fields. The majority of employment opportunities are local, yet there is no other microscopy training program in the Bay Area. We have developed the curriculum for this groundbreaking program in conjunction with an Advisory Board comprised of local industry and academic leaders.

## Careers include:

- ◆ Imaging or microscopy core facility director.
- ◆ Imaging or microscopy core technician.
- ◆ Research technician in biotech or academic research lab,
- ◆ Microscope sales representative.
- ◆ Clinical lab, pathology or histology technician.
- ◆ Quality control: high tech, agriculture, and manufacturing.
- ◆ Microscopist for sustainable/green energy, public health, fertility, stem cells, nanotech, or forensics labs.

## Merritt College Certificate in Bioscience Microscopy

### SPRING 2008

- Intro to Microscopy (5 units; 3 hours lecture/6 hours lab)

Late start courses (midway through the semester):

- Tissue culture (1 unit)
- Good lab practices (1 unit)
- Research design (1 unit)



### SUMMER 2008

- Internship (flexible hours)

### FALL 2008

- Advanced microscopy (5 units; 3 hours lecture/6 hours lab)
- Scientific ethics (.5 units)
- Scientific writing (1 unit)
- Bioscience careers and business (.5 units)

**Prerequisites:** None.

**Note:** A general familiarity with computers and good communication skills are highly recommended. A science background is an asset, but it is not necessary. Your instructor will suggest supplementary courses appropriate to your employment objectives.

**4 All courses are night/weekend courses.**

**Γ Once you've completed the certificate you will be able to...**

- ✓ confidently operate a wide variety of optical microscopes, including phase, DIC, and epifluorescence.
- ✓ master diverse microscopy software programs.
- ✓ prepare specimens for optical microscopy.
- ✓ design experiments, critically analyze data, and report results.
- ✓ troubleshoot problems with the optics of the microscopes.
- ✓ assess and utilize new microscopy technologies.
- ✓ obtain employment in biotech, high tech and other growth fields.



## What are these microscopes?

A *fluorescence microscope* allows us to look inside cells and see individual molecules.

A *confocal microscope* is a very powerful type of fluorescence microscope. It uses lasers to create very thin sections: it's like an MRI machine, only for cells!

[www.merritt.edu/microscopy](http://www.merritt.edu/microscopy)