



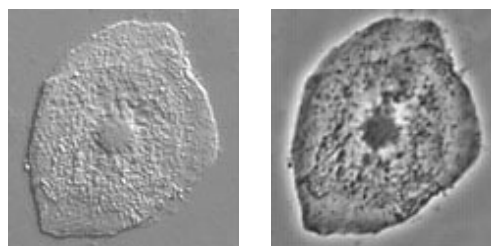
## Optical Biology Core Facility Presents: Workshop Mini-Series

### Workshop I – “Differential Interference Contrast (DIC) Imaging”

This workshop will teach you the principles of DIC microscopy and its use in visualizing organelles and structures in stained or unstained cells and tissues. High-resolution 3D DIC (also known as Nomarski) images can also be combined with fluorescence images of the same cells to reveal greater insight.

Tuesday, May 6<sup>th</sup>

9-9:30am: Lecture on DIC  
- What is DIC?  
- DIC vs. phase contrast  
- Kohler Illumination  
- Optimizing DIC image  
1246 McGaugh Hall



DIC

Phase contrast

10-11:00am: Hands on DIC demonstration  
2114 McGaugh Hall

(Images from [www.molecularexpressions.com](http://www.molecularexpressions.com))

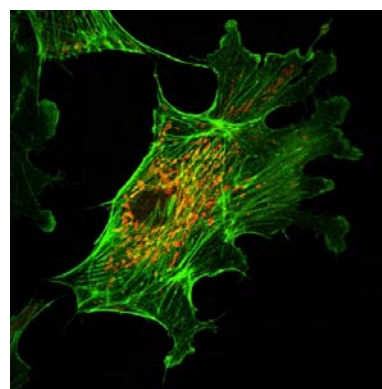
### Workshop II – “Optimizing Your Final Image”

Failure to optimize images can cause you to lose structural data or give false conclusions. Here we will cover the basics of getting an optimum image.

Friday, May 9<sup>th</sup>

9-9:45am: Lecture on optimizing image  
- Selecting objective/oil vs. water  
- Multi-track vs. single track  
- Selecting time/pixel, averaging lines/frames  
- Zooming/pixel size resolution  
- Offset and gain, range indicators  
1246 McGaugh Hall

10-11:30am: Hands on demonstration  
2114 McGaugh Hall



Register online at <http://dbc.bio.uci.edu/> or request a form

For any inquiries or to request a registration form, please contact:  
Jenny Sasaki ([sasakij@uci.edu](mailto:sasakij@uci.edu)) or Dr. Michelle Digman ([mdigman@uci.edu](mailto:mdigman@uci.edu))  
OBC facility: (949) 824-3856

Registration for the workshops is free of charge, but spaces are limited to 15 seats for each lecture and 10 seats for each demonstration. The deadline to submit a registration form is **May 2, 2008**.