

How do I apply?

Apply for a workshop online at: www.dnalc.org

If you prefer to submit a paper application, you can download one from this site. Application deadlines are two weeks prior to the beginning of the workshop. Applications will be accepted as long as there are openings and will be reviewed continuously. Confirmations will be mailed/emailed as soon as possible.

Dolan DNA Learning Center
Cold Spring Harbor Laboratory
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Dolan DNA Learning Center: The DNALC is the world's first science center devoted entirely to public genetics education – with 20 years of expertise training educators current and engaging science. DNALC web sites are cutting-edge multimedia references and teaching tools.

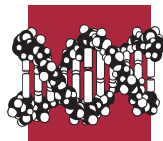
Cold Spring Harbor Laboratory: CSHL is a renowned research facility and home to five Nobel laureates. CSHL ranked third in the world among molecular biology and genetics research institutions for the impact of papers published in 2002-06.

Another DNALC Educator Opportunity:

For details visit our Internet site www.dnalc.org.

NYC Teacher Professional Development at Harlem DNA Lab

This program will enable New York City teachers to deliver hands-on, inquiry-based experiments in genetics and biotechnology. With funding from the Howard Hughes Medical Institute, 8th through 12th grade teachers are trained to implement lab activities to complement the NYC *Scope and Sequence*, Life Science, Living Environment, and AP Biology curricula.



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www.dnalc.org

Workshops for Biology, Psychology, and Health Educators



www.insidecancer.org

&

GENES
to
COGNITION
online

www.g2conline.org

Presented by the
Dolan DNA Learning Center
Cold Spring Harbor Laboratory

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Hewlett Foundation



www.insidecancer.org

2010 Workshops*

- March 13 **Santa Clara University, Santa Clara, CA**
- March 27 **Oklahoma City Community College, Oklahoma City, OK**
- April 17 **iBio Institute, Chicago, IL**
- April 30 **Biogen Idec, Cambridge, MA**
- May 22 **University of Colorado, Denver, CO**



One-day *Inside Cancer* Workshops introduce an innovative Internet site on cancer biology. Attendees will explore how to use authoritative content on cancer cell biology in health, general biology, and AP Biology classes. Teachers will learn to use *Teacher Center* to build and share lesson plans with a focus on syllabus-centered instruction. *Teacher Center* includes a database search tool for building multimedia presentations, a wiki-based lesson editor, and a matrix that aligns *Inside Cancer* content to educational standards.

Inside Cancer can help students envision the future of medicine while providing striking visual representations of basic concepts at the heart of any biology and health syllabus. Video interviews feature basic cancer researchers who seek a deep understanding of the cellular and molecular basis of life – DNA replication, transcription, and translation; signal transduction, and programmed cell death. Furthermore, knowing the nature of mutations

induced by smoking, sunlight, and food contaminants can help students understand that lifestyle choices are major determinants of future cancer risk.

Is this workshop for me?

The free workshop is designed for high school biology and health teachers, although other educators will be accepted when space is available. It requires some computer skills. Participants should have a sincere desire to implement instruction and to share their experiences with other educators. Fellowships will be available for participants interested in disseminating *Inside Cancer*. Instruction, workshop materials, lunches, and coffee breaks, are funded by Science Education Partnership Award Program from the National Center for Research Resources (NCRR), a part of National Institutes of Health.



www.g2conline.org

2010 Workshops*

- March 12 **Santa Clara University, Santa Clara, CA**
- March 26 **Oklahoma City Community College, Oklahoma City, OK**
- April 16 **iBio Institute, Chicago, IL**
- April 29 **Biogen Idec, Cambridge, MA**
- May 21 **University of Colorado, Denver, CO**



The 1-day *Genes to Cognition (G2C) Online* Workshop introduces modern neuroscience research to educators at the high school and college levels. *G2C Online* is a unique Internet site incorporating up-to-date neuroscience research, multimedia items, and interactive experiments. From molecular signals to neural circuits, to anatomical structures of the brain, participants explore thinking and disorders of thinking at different levels of complexity. The site offers unique learning aids that allow students to track their paths through the site and to build concept maps using information they have encountered.

The name *Genes to Cognition* derives from the understanding that neuroscience research exists at multiple (interacting) levels of analysis – from the genetic to the behavioral. Cognitive disorders such as autism and schizophrenia can only be properly understood by recognizing that these disorders are not the result of abnormalities in genes, chemicals, brain structures, or the

environment. Rather, they are the product of interactions between these different systems. This understanding is reflected in the design of the site, which is built around a network of media items that stress the interrelatedness of different approaches to neuroscience. This highly innovative site provides an attractive and stimulating environment for teaching biology and psychology curricula.

Is this workshop for me?

The free workshop targets college educators and exceptional high school educators of biology and psychology. Participants should have a sincere desire to integrate neuroscience content into classroom instruction and to share their experiences with other educators. Instruction, workshop materials, lunches, and coffee breaks, are funded by a grant from the William and Flora Hewlett Foundation.

*Applicants who wish to attend both workshops at one location must register for each workshop separately.