

Open Educational Resources for Cancer

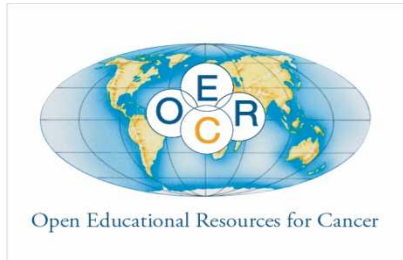
Lawrence S. Lessin, MD, MACP
Washington Cancer Institute
Washington, DC, USA
lawrence.s.lessin@medstar.net





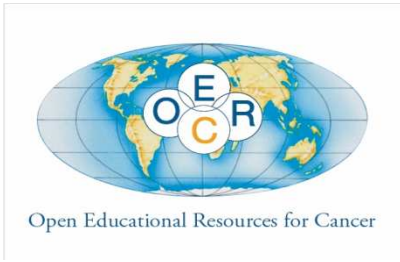
Open Educational Resources for Cancer

- Rationale for OERC
- OERC history and lead participants
- OERC mission and vision
- OERC implementation plan
 - Membership in OERC community
 - Site architecture and components
 - Educational materials
 - “OERC Voices” chat room for discussion & consultation
 - Intellectual property rights & Creative Commons
 - Contribution of educational content
 - Request for educational materials
 - Use of educational content
- Current partners and invitation to join OERC



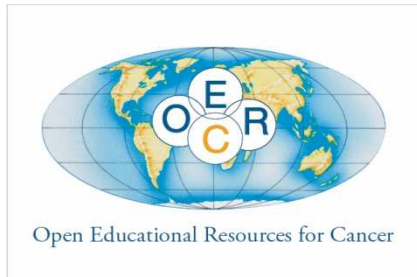
Rationale: RAPID RISE IN GLOBAL CANCER RATES

- 2010: WHO estimates cancer to become leading global cause of death
- 2030: The International Agency for Research on Cancer--- “The global burden of cancer could be as high as 17 million new cases per annum”
- >50% of cancer cases and 70% of cancer deaths – in developing countries



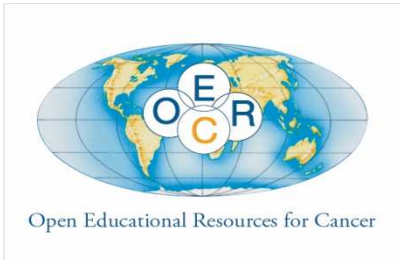
OERC History & Rationale

- Global need for education of cancer care providers
- Open educational resource movement
- Development of extensive cancer educational material by universities, organizations, cancer institutes, et al.
- Learning modules of varying formats now online for review, classification and placement in an open resource environment
- Internet accessible and free of cost for use in cancer education, control and treatment around the world.



Challenges Faced by Resource-poor Nations

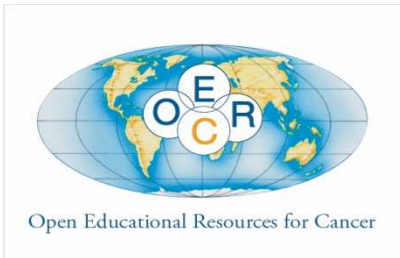
- Deficiencies in human capacity & material resources
- Limited technical capability & networks
- Lack of capacity development at both quantitative and qualitative levels
- Human capital development most critical
- Limited ability for expansion and education of cancer workforce, a priority for national and global cancer control



Concept Development

Concept developed in initial meetings among:

- Mike Smith - [William and Flora Hewlett Foundation](#)
- Anil Srivastava & Raj Shah - [Capital Technology Information Services, Inc.](#)
- Lawrence Lessin - [Washington Cancer Institute](#)
- Ian Magrath - [INCTR](#)
- Joe Harford & Norm Coleman - [NCI](#)
- Aron Primack - [Fogarty International Center, NIH](#)
- Aziza Shad - [Georgetown University](#)
- Brian Foley - [Northern Virginia Community College Medical Education Campus](#)



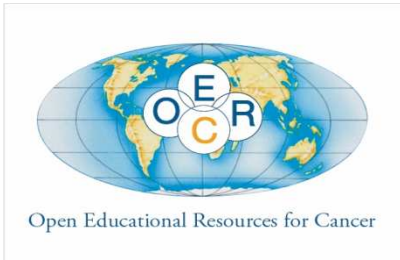
First OERC Conference in Chicago – May 2008

- A day long planning meeting was held in Chicago on 29th May 2008 ancillary to the [44th American Society of Clinical Oncology Annual Meeting](#) attended by the following persons:
- Gracemarie Bricalli, [European Society for Medical Oncology](#)
- Norman Coleman, [Cancer Expert Corps \(CEC\), NCI](#)
- Leslie Derr, [caBIG: Cancer Biomedical Informatics Grid, NCI](#)
- Joe Harford, [Office of International Affairs of the NCI](#)
- Svetlana Jezdic [European Society for Medical Oncology](#)
- Larry Lessin, [Washington Cancer Institute](#)
- Ian Magrath, [International Network for Cancer Treatment and Research](#)
- Anil Srivastava, [Capitol Technology Information Services](#)
- Stephan Thieringer, [Giunti Labs](#)
- Vic Vuchic, [William and Flora Hewlett Foundation](#)



OERC Executive Committee

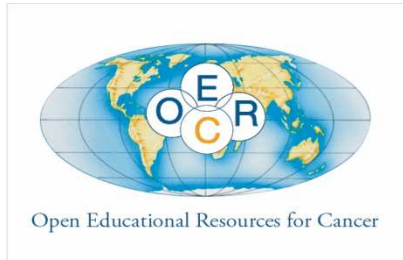
- *Lawrence S. Lessin, MD, MACP, WCI*
- *Ian Magrath, DSc, FRCP, FRCPath, INCTR*
- *Dianne Kaseman, PhD, RN, DFK Consulting*
- *Anil Srivastava, CTIS*
- *Stephan Thieringer, PhD, Across World*
- *Gerard L. Hanley, PhD, MERLOT, CSUS*
- *Aron Primack, MD, Fogarty Center, NIH*
- *Andrea Okrentowich, MA, Executive Coordinator*



OERC Steering Committee

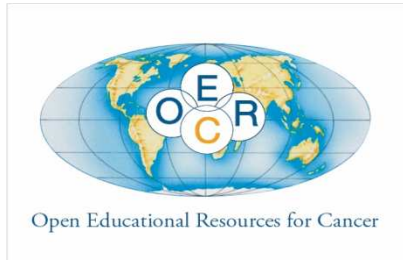
- Larry Lessin, Washington Cancer Institute
- Ian Magrath, INCTR
- Anil Srivastava & Raj Shah, CTIS
- Aziza Shad, Georgetown University
- Brenda Nevidjon, ONS, Duke University
- Dianne Kaseman, Consultant, Nursing Education
- Elmer Huerta, WCI, ACS
- Gracemarie Bricalli, ESMO
- Joe Harford, NCI/OIA
- Leslie Derr, NCI/CaBIG
- Norman Coleman, NCI/DCT /OEC





OERC Steering Committee, Continued

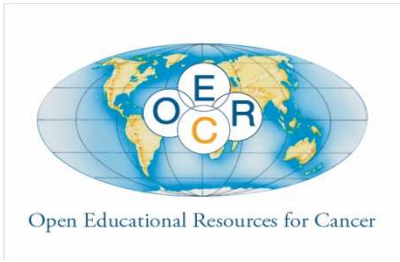
- Aron Primack, Fogarty International Center, NIH
- Stephan Thieringer, Across World
- Svetlana Jezdic, ESMO
- Victor Vuchic, Flora and William Hewlett Foundation
- Next meeting at ASCO in Orlando, May 2009



OERC OBJECTIVES

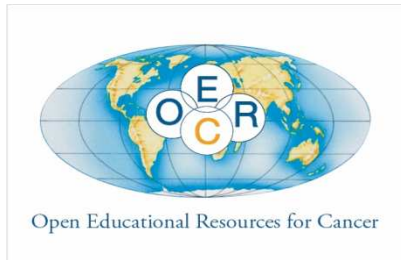
- To provide open access to high quality cancer learning modules and research information
- To enhance and increase cancer educational capacity for medical educators, physicians, nurses, and paramedical personnel
- To support education and expansion of the cancer workforce at all levels





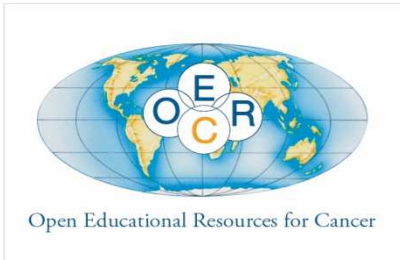
OERC MISSION STATEMENT

- To create an open resource repository of cancer educational materials covering diverse aspects of oncology
- To promote global sharing of cancer educational resources (WHO 2007 Cancer Report)
- To utilize knowledge sharing to assist countries develop cancer control strategies
- To provide educational resources to enhance the capacities of physicians, nurses and care givers in developing countries to diagnose and treat cancer patients



OERC MISSION STATEMENT, Continued

- To provide free access to advances in basic and clinical cancer research information in user friendly format
- To contribute to the development of a research infrastructure and a research ethos for cancer care and prevention at a global level



OERC IMPLEMENTATION PLAN

- Establish an international organization led by Executive and Advisory Committees
- Develop affiliation with INCTR
- Establish a cancer taxonomy index
- Solicit, collect, review, and classify educational materials from leading cancer institutions, universities and research organizations
- Accrue learning modules in multiple formats: courses, lectures, syllabi, videos, radiology and pathology atlases, accessible via internet
- Develop metadata repository to be hosted by MERLOT: OERC.MERLOT.org



Open Educational Resources for Cancer

OERC.MERLOT.org

OERC
OPEN EDUCATIONAL RESOURCES CANCER COMMUNITY



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Welcome to

Open Educational Resources (OER) - Cancer Community

The OERC community's portal is open and free for everyone around the world to use to:

- Find free, open, and online educational and training resources. We will be "recommending the best" and "linking to the rest" of materials that could meet your interdisciplinary needs
- Participate in online community conversations with cancer researchers, physicians, healthcare providers, and... And freely share experiences and expertise
- Contribute to the global digital library of cancer resources so everyone worldwide can have the best and latest information
- Develop and lead the social networks needed to bring individuals out of isolation and into a supportive community.

OER-Cancer Resources

Looking for free online resources about cancer you can use in formal and informal training and education? Simply click on the topics and you'll be provided a list of available resources you can use, read reviews, and organize into your own personal collection.

[Biology of Cancer](#)

[Specific Cancers](#)

[Brain and central nervous system](#)

What's New in the MERLOT OERC Collection?

[Cancer Treatment in Developing Countries](#)
Problems that are important to effective cancer treatment in developing countries [more](#)

[Cancer Control P.L.A.N.E.T.](#)
Cancer Control P.L.A.N.E.T (Plan, Link, Act, Network with Evidence-based Tools)... [more](#)

[Cancer Control: Journal of the Moffitt Cancer Center](#)
"This peer-reviewed journal contains articles on the spectrum of actions... [more](#)

[Cancer Genetics](#)
This site contains the following information about cancer and genetics: General... [more](#)

[Coping with Cancer](#)
This site deals with managing side effects and complications caused by cancer... [more](#)



Open Educational Resources for Cancer

Becoming an OERC Contributor

OERC
OPEN EDUCATIONAL RESOURCES CANCER COMMUNITY



Search this site

Search MERLOT materials
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[Cataloging Resources](#)

[Writing Comments](#)

[Teaching with Resources](#)

[Creating Personal Collections](#)

Help Build the OERC's Open Collection of Online Resources

The purpose of this website is to provide healthcare professionals, patients, and everyone else a high quality and easy to use collection of online resources to learn about and use strategies for dealing with cancer.

Your contributions to this collection are essential for making the collection useful.

Becoming a Contributor Begins With Registering as a MERLOT Member

To become a contributor to the OERC Collection and Community, you begin with registering as a member of the MERLOT community. MERLOT is an open and free international community of researchers, faculty, teachers, administrators, librarians, students, and government, industry, and academic staff. The OERC Community is creating custom services using MERLOT's tools and 10+ years of experience supporting open international communities for online education. [LEARN MORE – CLICK HERE](#)

Many Ways to Contribute to MERLOT:

Every person interested in the OERC community can contribute in ways that work to their strengths and expertise. You can:

1. Catalog online resources that you have found to be very useful so others can easily find them as well. [LEARN MORE – CLICK HERE](#)
2. Write your comments and evaluations on how and why specific online resources are useful.





Open Educational Resources for Cancer

Joining the OERC.MERLOT.org Community

OERC

OPEN EDUCATIONAL RESOURCES CANCER COMMUNITY



Search

Search

at

MERLOT  [Browse Materials](#)  [Contribute Materials](#)  [Visit OERC Voices](#) 

Home

Contributing
to OERC

Participating in the
OERC Community

For Healthcare
Professionals

For Patients
and Families

My
Profile

Join the OERC Community Discussion

Participate in our online community discussions on cancer ... It's free and easy in our [Web 2.0 environment](#). The OERC Community Conversations uses MERLOT Voices to provide you free and open access to online community communication tools to start and sustain forums for your fellow OERC colleagues to share successes, ask questions, pose problems, and for the OERC community members to respond to your needs in a timely and simple manner.

Register as a member of the OERC Community in MERLOT.org.

After you've become a member of MERLOT, click on "My Profile" on the maroon navigation bar on the MERLOT home page. Scroll down until you see "Associations". Click edit and Add "OERC – Open Educational Resources-Cancer" to the "Associations" field. Fill out the rest of the information as needed.

INCTR



Open Educational Resources for Cancer

OERC.MERLOT Search: Breast Cancer



Search materials

[advanced search materials](#) | [advanced search members](#)

[Home](#)

[Communities](#)

[Learning Materials](#)

[Member Directory](#)

[My Profile](#)

[About Us](#)

Learning Materials

[Become a Member](#) | [Log In](#)

Browse Path: [All](#)

[Contribute A Material](#)

Matching Categories

[Breast cancer](#)

Browse Material Hitlist by Category

[Education \(1\)](#)

[Science and Technology \(12\)](#)

[Social Sciences \(1\)](#)

Material Types

[Case Study \(1\)](#)

[Learning Object Repository \(2\)](#)

[Lecture/Presentation \(1\)](#)

[Online Course \(1\)](#)

[Reference Material \(6\)](#)

[Simulation \(1\)](#)

[Tutorial \(1\)](#)

[Workshop and Training Material \(1\)](#)

New Search: [Advanced Search](#)

Items 1-10 shown of 14 results

Sort by:

Breast Cancer

Author: Unknown

This is about breast cancer

Type: Tutorial

Date Added: Feb 06, 2003

Date Modified: Mar 12, 2008

[Peer Review](#) ★★★★★

[Comments](#) (none)

[Personal Collections](#) (5)

[Assignments](#) (none)

Case It! molecular biology computer simulations

Author: Mark Bergland, Karen Klyczek

Case It! is an NSF-funded BioQUEST project to provide molecular biology simulations for case-based...

Type: Simulation

Date Added: Dec 12, 2006

Date Modified: Jul 15, 2008

[Peer Reviews](#) (not reviewed)

[Comments](#) (none)

[Personal Collections](#) (1)

[Assignments](#) (none)

Breast Cancer Risk Calculator

Author: Steven B. Halls, MD

This site uses input information to estimate risk for breast cancer

[Peer Reviews](#) (not reviewed)

[Comments](#) (none)

[Personal Collections](#) (1)



Open Educational Resources for Cancer

Accessing Educational Material on OERC.MERLOT

MedlinePlus[®]
Trusted Health Information for You

A service of the U.S. NATIONAL LIBRARY OF MEDICINE
and the NATIONAL INSTITUTES OF HEALTH

Breast Cancer

Start Interactive Tutorial



This option starts the interactive multimedia tutorial, which includes questions.

Start Self Playing Tutorial



This option plays a self-running presentation.

Text Summary



This option opens a PDF file.

This X-Plain module is published by the [Patient Education Institute](#) and licensed by the National Library of Medicine under the following [terms of use](#).



Open Educational Resources for Cancer

OERC/MERLOT Chat Room

Sign Up Sign In Search Social Network



OERC. MERLOT VOICES

Putting Educational Innovations into Practice

Main
My Page
Members
Discussion Forums
Community Conversations
Videos

All Groups My Communities



OER-CANCER

Created by [Gerry Hanley](#)

[View Communities](#)

Information



Welcome to the Open Educational Resources (OER) for Cancer Community. The OER-C Voices website supports the members of the OER-C in their planning & implementation of services to advance understanding, prevention, and treatment of cancer worldwide

Members: **9**


Latest Activity: **Jan 27**

Members (9)












Community Conversations

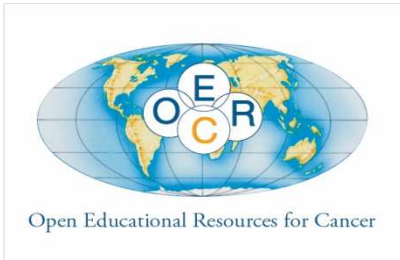
MERLOT 101 [MERLOT 101](#)
37 members

FACULTY Development [Faculty Development](#)
35 members

 [MERLOT](#)

Welcome to MERLOT Voices

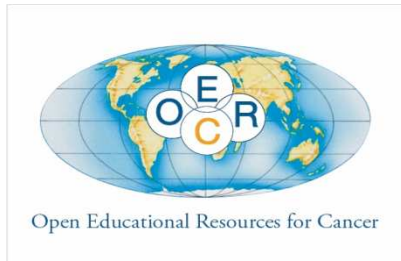
[Sign Up](#)
or [Sign In](#)



OERC.MERLOT.org

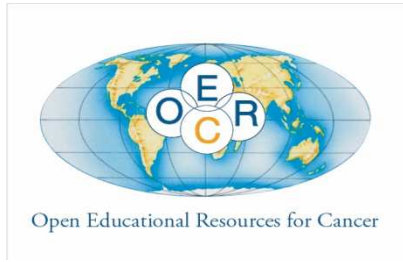
Features

- Searchable by taxonomy or search engine
- Intellectual property rights by Creative Commons (attribution, copyright, modification)
- Google translate-can translate selected text into 42 different languages and characters
- Educational items may be rated by users (one to five stars), with comments and by experts
- All items must have URL, internet address
- New items continually added



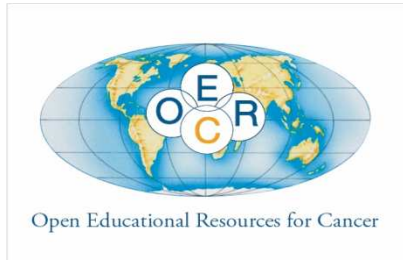
Launching of OERC

- International opening of OERC at INCTR Annual Meeting in Turkey, March, 2009
- >200 people from >40 countries expected to attend this meeting; most from developing nations
- Invitation to all INCTR members to join OERC as contributing and/or user partners
- Introduction of OERC.MERLOT.org site and OERC Voices communications
- Solicitation of educational needs & topics of developing countries
- OERC partner feedback will guide development & improvement of OERC



Initial OERC Contributing Partners

- Georgetown University
- Johns Hopkins University
- Washington Cancer Institute
- Massachusetts Institute of Technology
- Boston University
- Memorial Sloan Kettering Cancer Center
- European Society of Medical Oncology
- University of Maryland Cancer Center
- Fogarty Center, National Institutes of Health



OERC Partners In Developing Countries

Initial Group

- King Hussein Cancer Center - Jordan
- Ocean Road Cancer Institute - Tanzania
- University of Lagos College of Medicine - Nigeria
- Egyptian National Cancer Institute - Egypt
- Kidwai Memorial Cancer Institute - Bangalore, India
- Sanjay Gandhi - Institute for Medical Sciences - Lucknow, India
- Allama Iqbal Medical College - Jinnah Hospital - Lahore, India
- Federal University of Sao Paulo - Brazil
- Ho Chi Minh City Cancer Center – Vietnam
- Ceylinco Cancer Centre – Sri Lanka
- Rajiv Gandhi Cancer Center – New Delhi, India

**All Countries, Universities, Cancer Centers,
Physicians, Nurses, Cancer Organizations are
invited to join!!**



Open Educational Resources for Cancer



Open Educational Resources for Cancer

OERC
One Research Court, Suite 200
Rockville, MD 20850, USA
301-948-3033
info@oerc-international.org

Partnership Application

Name _____ Date _____

Position _____

physician nurse professor cancer researcher in _____

medical oncologist surgical oncologist radiation oncologist

pediatric oncologist pathologist gyn. oncologist

other _____

Institution _____

Address _____ Telephone _____

Email address: _____ Internet broadband access Yes No

Type of Partnership desired (check all that apply)

Contributor of cancer educational materials

User of cancer educational materials

Member of "OERC Voices" chat room for discussions and consultations

Statement of Educational Needs:

Lectures on Powerpoint slides

Topics? _____

Course or Training curricula

Topics? _____

Videos

Topics? _____

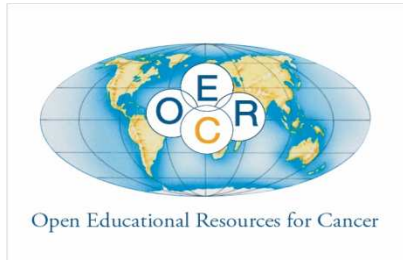
Print material in pdf format

Topics _____

Other educational needs & comments: (Use back of form if required)

Signature _____ Date _____

INCTR



Thank you

www.oerc-international.org

INCTR