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QUOTE OF THE MONTH

**Books, like friends, should be few
and well chosen.**

Samuel Paterson

INSTRUCTIONAL TRAINING CLASSES

FREE hands-on computer classes are held in the Library's Microcomputer Lab throughout the year. To see a complete list of classes with descriptions, please check our web site at URL

<http://www-library.ncifcrf.gov/libclass.asp>

Upcoming classes include:

Introduction to PubMed & NLM Gateway:
Tuesday, October 28, 2003
2:00 p.m. – 4:00 p.m. (taught in Mandarin Chinese)

Staying Current with the Literature:
Tuesday, November 4, 2003
2:00 p.m. – 4:00 p.m.

Introduction to Endnote:
Tuesday, November 18, 2003
2:00 p.m. – 4:00 p.m.

Intermediate Endnote:
Tuesday, November 25, 2003
2:00 p.m. – 4:00 p.m.

If you are interested in attending any of these free classes, please call x5840, or email meckley@mail.ncifcrf.gov



LIBRARY ORIENTATIONS

Library Orientations are held every month, **beginning at 2:30 p.m.** November's Orientation will be held on **Wednesday, November 12.** December's Orientation will be held on **Tuesday, December 16.** Orientations are held in the Library's Microcomputer Lab. No prior registration is required.

We encourage all new employees to attend to learn more about the Library's services, and to see demonstrations of the Library's Home Page and online catalog. If you are unable to attend any of these sessions, please call x5840 to schedule an alternate session.

LIBRARY	Main Number	846-1093	LIBRARY HOURS
Circulation Desk	846-5848		Monday - Thursday 8:30AM - 9:00PM
Computer Searches	846-5840		Friday 8:30AM - 7:00PM
Interlibrary Loan	846-5842		Saturday 10:00AM - 5:00PM
Reference	846-1682		Sunday 11:00AM - 5:00PM

Visit the Library's Home Page at <http://www-library.ncifcrf.gov>



WEB TUTORIALS

The Library staff is in the process of updating and increasing our **Web Tutorials**. These tutorials consist of PowerPoint slides used in our hands-on training classes that have been adapted to the Web. For maximum effect, users are encouraged to use the tutorials in tandem with a web browser to practice navigating the databases as you work through the tutorials.

We have just added a new tutorial titled **Online Journals & Other Full-Text Resources**. The three-part **Electronic Databases Overview** tutorial has just been updated. The other tutorials that will be updated this fall include **PubMed & NLM Gateway**, **Staying Current with the Literature**, and **Web of Science/PORPOISE**.

Please take a look at our Web Tutorials at URL <http://www-library.ncifcrf.gov/webtraining1.asp> and let us know how you like them.



EDITORIAL STAFF:

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MAJOR MEDLINE MILESTONE

On March 7, MEDLINE attained a major milestone when the 12 millionth journal citation was added to the database. The citation is:

Foulder-Hughes LA, Cooke RW.

Motor, cognitive, and behavioural disorders in children born very preterm.

Dev Med Child Neurol. 2003 Feb;45(2):97-103.
PMID: 12578235 [PubMed - indexed for MEDLINE]

The article was indexed using NLM's Web-based Data Creation and Maintenance System (DCMS) which was implemented in late 2000. When the 10 millionth citation was indexed on July 10, 1999, NLM was still using the mainframe computer-based indexing system called AIMS (Automated Indexing and Management System) and PubMed was searched at the rate of 16 million searches per month and updated with MeSH-indexed MEDLINE citations once per week. Approximately 30% of data entry came from electronic submissions and NLM indexed a total of about 434,000 citations from 4,007 journals by the close of that Fiscal Year. MEDLINE was licensed by 57 organizations.

Today, PubMed is searched at a rate of more than 30 million searches per month and updated with MeSH-indexed citations 5 times per week. More than 65% of data entry comes from electronic submissions and NLM reached the all time high of about 502,000 indexed citations from 4,538 journals at the close of Fiscal Year 2002. MEDLINE is leased by about 170 organizations (the majority of which are mining the data for research purposes). What a difference a few years can make!

[NLM Technical Bulletin, March-April 2003
http://www.nlm.nih.gov/pubs/techbull/ma03/ma03_technote.html#milestone]

NCBI PERSONAL CONSULTATIONS

A staff member from the National Center for Biotechnology Information (NCBI) will visit the NCI-Frederick campus in October to offer personal consultations to interested personnel. A one-hour personal consultation provides each attendee with an opportunity for a one-on-one discussion about a specific NCBI-related topic of his or her choice. All consultations are held in the Scientific Library's Microcomputer Lab, to permit hands-on practice and access to the NCBI web databases, such as GenBank and BLAST.

The October visit is scheduled for Friday, October 24. One-hour sessions begin at 9:00 a.m., with the final session beginning at 4:00 p.m. You must register to attend an NCBI Personal Consultation. If you are interested, please contact the Instructional Resources Librarian at x5840, or email meckley@mail.ncifcrf.gov.

For more information about the National Center for Biotechnology Information, please see the web site at URL <http://www.ncbi.nlm.nih.gov>.



SPECIALIZED NCBI CLASSES

In upcoming months the Scientific Library will be hosting four specialized classes taught by staff from the National Center for Biotechnology Information (NCBI). A recent announcement about the first class in this group, **Making Sense of DNA and Protein Sequences**, yielded more than 85 interested people! Obviously, we have discovered a need for specialized training in the genetics databases offered by NCBI. We are fortunate to be located close to NCBI's Bethesda home, so the trainers can make short trips to Frederick to offer the training. However, their schedules are very full, so the classes will extend into 2004. In addition to the **DNA** class, we hope to offer training in the following classes: **BLAST Quick Start**, **LocusLink Quick Start**, and **Structural Analysis Quick Start**. For more information about these classes, please call x5840, or email meckley@mail.ncifcrf.gov.



BOOK AND MEDIA EXCHANGE

The culmination of National Medical Librarians Month will be celebrated with the Library's Annual Book and Media Exchange on October 30, 2003. This is an item-for-item exchange. Patrons may begin bringing their books, records, tapes, videos, CD's and DVD's to the Library for the exchange beginning on October 6. Staff will set up the display and the exchange will begin promptly at 10:00 am on October 30 in the lobby of the Conference Center in Building 549.

After that date, the books / media will be housed in the Scientific Library until the end of November. Any remaining books / media will be donated to local charities.

The exchange is open to all Fort Detrick employees.





SITES FROM THE WEB

The following selected sites have come to our attention via various sources; their inclusion on our Web site does not indicate endorsement by Library staff. Links to these sites can be found under "Web Resources" in the **Electronic Resources** section of our web site under the category noted in each listing. Visit the Library's Home Page at <http://www-library.ncifcrf.gov>.

Arctic Health

<http://www.arctichealth.org>

This National Library of Medicine site aims "to provide a central source of information on diverse aspects of the Arctic environment and the health of Northern peoples. It provides access to evaluated health information from hundreds of local, state, national, and international agencies, as well as from professional societies and universities." Features a searchable directory of health topics, sections for telemedicine and traditional medicine, a guide to the Arctic Council, and news headlines. [Medical/Clinical...Related Resources]

CARDS - (Computer Access to Research on Dietary Supplements)

<http://www.gcn.com> (Enter 154 in the Quickfind Box)

CARDS is a database of federally funded research projects pertaining to dietary supplements. Currently, **CARDS** contains projects funded by the Institutes and Centers (ICs) of the National Institutes of Health (NIH) beginning with fiscal year 1999, the first year that NIH ICs began reporting research related to dietary supplements. Projects funded by other Federal agencies will be added to **CARDS** as they become available. [Medical...Consumer Health]

GPO/National Archives

<http://www.gpoaccess.gov>

An agreement between the Government Printing Office (GPO) and the National Archives and Records Administration (NARA) will ensure free, permanent online public access to more than 250,000 federal government titles found on GPO Access. [Government]

NLM's *Profiles in Science* - Linus Pauling Papers Added

<http://profiles.nlm.nih.gov>

Linus Pauling is the 8th scientist whose career is chronicled on NLM's *Profiles in Science* website. Pauling, who is the only person in history to win 2 unshared Nobel Prizes, is credited with making major contributions to chemistry and medical research. In 1954, he was awarded the Nobel Prize in Chemistry, and in 1963, the Nobel Peace Prize. [Scientific/Research]



NEW LIBRARY MATERIALS

Acquired Immunodeficiency Syndrome -- drug therapy

AMFAR GLOBAL LINK. New York, NY : American Foundation for AIDS Research, 2002-
REFERENCE QV 22.1 .A514 v.2 no.1 2003.

Animal Welfare -- legislation & jurisprudence -- United States

CODE OF FEDERAL REGULATIONS. [TITLE] 9, ANIMALS AND ANIMAL PRODUCTS. Washington : Office of the Federal Register, National Archives and Records Administration : For sale by the Supt. of Docs., U.S. G.P.O.,
REFERENCE KF 70 .A3 C669 2003 pt.1-199.

Biochemistry -- yearbooks

ANNUAL REVIEW OF BIOCHEMISTRY. Palo Alto, CA : Annual Reviews, inc, 1932-
RESERVE QU 5 .A6153 2003 v.72.

Cell Membrane

RECEPTOR PURIFICATION PROCEDURES / EDITORS, J. CRAIG VENTER, LEN C. HARRISON. New York : A.R. Liss, c1984. Receptor biochemistry and methodology ; v. 2.
QH 601 .R295 1984

Chemistry, Organic

FORTSCHRITTE DER CHEMIE ORGANISCHER NATURSTOFFE. PROGRESS IN THE CHEMISTRY OF ORGANIC NATURAL PRODUCTS. Wien ; New York : Springer-Verlag, 1938-
QD 241 .F6 2003 v.86.

ORGANIC REACTIONS. New York : John Wiley & Sons, 1942-
QD 251 .O7 2003 v.62.

ORGANIC SYNTHESSES. New York : J. Wiley & Sons, 1921-
QD 262 .O7 2003 v.80.

Chemistry -- tables

CRC HANDBOOK OF CHEMISTRY AND PHYSICS. Cleveland, OH : CRC Press, 1978-
REFERENCE QD 65 .H3 2003/04.

Chromatography, Liquid

A GLOBAL VIEW OF LC/MS : HOW TO SOLVE YOUR MOST CHALLENGING ANALYTICAL PROBLEMS / ROSS WILLOUGHBY, EDWARD SHEEHAN, SAMUEL MITROVICH. 2nd ed. Pittsburgh, Pa. : Global View Publ., c2002.
QD 79 .C454 W54 2002.

Communicable Diseases, Emerging -- epidemiology

MICROBIAL THREATS TO HEALTH : EMERGENCE, DETECTION, AND RESPONSE / MARK S. SMOLINSKI, MARGARET A. HAMBURG, AND JOSHUA LEDERBERG, EDITORS ; COMMITTEE ON EMERGING MICROBIAL THREATS TO HEALTH IN THE 21ST CENTURY, BOARD ON GLOBAL HEALTH, INSTITUTE OF MEDICINE OF THE NATIONAL ACADEMIES. Washington, D.C. : National Academies Press, c2003.
WA 110 .M626 2003.

Cytology

INTERNATIONAL REVIEW OF CYTOLOGY : A SURVEY OF CELL BIOLOGY. New York : Academic Press, 1952-
QH 540 .I5 2003 v.226.

Developmental Biology

CURRENT TOPICS IN DEVELOPMENTAL BIOLOGY. New York : Academic Press, 1966
QS 605 .C829 2003 v.55.

Enzymes

DIRECTED ENZYME EVOLUTION : SCREENING AND SELECTION METHODS / EDITED BY FRANCES H. ARNOLD AND GEORGE GEORGIU. Totowa, N.J. : Humana Press, c2003. Methods in molecular biology ; v.230. Methods in molecular biology (Clifton, N.J.) ; v. 230.
QU 25 .M5925 2003 v.230.

Gene Library

DIRECTED EVOLUTION LIBRARY CREATION : METHODS AND PROTOCOLS / EDITED BY FRANCES H. ARNOLD AND GEORGE GEORGIU. Totowa, N.J. : Humana Press, c2003. Methods in molecular biology ; v. 231. Methods in molecular biology (Clifton, N.J.) ; v. 231.
QU 25 .M5925 2003 v.231.

Genetic Techniques

APPLIED MOLECULAR GENETICS / ROGER L. MIESFELD. New York : John Wiley, c1999.
QH 441 .M632 1999.

Genetics

GENETICS : FROM GENES TO GENOMES / LELAND HARTWELL ... [ET AL.]. 2nd ed. Boston, Mass. : McGraw-Hill Higher Education, c2004.
QH 430 .G3277 2004.

Genomics

DISCOVERING GENOMICS, PROTEOMICS, AND BIOINFORMATICS / A. MALCOLM CAMPBELL, LAURIE J. HEYER. San Francisco : Benjamin Cummings, c2003.
QU 58.5 .C187 2003.

Hominidae – parasitology

HUMAN WILD LIFE. HUMAN WILDLIFE THAT LIVES ON US / ROBERT BUCKMAN. Baltimore, Md. : The Johns Hopkins University Press, 2003.
QX 45 .B925 2002.

Internet

FIND IT ONLINE : THE COMPLETE GUIDE TO ONLINE RESEARCH / [BY ALAN M. SCHLEIN ; EDITED BY J.J. NEWBY AND PETER J. WEBER]. 3rd ed. Tempe, AZ : Facts on Demand Press, c2003.
TK 5105.875 .I57 S3 2003.

Lentivirus -- genetics -- Laboratory Manuals

LENTIVIRUS GENE ENGINEERING PROTOCOLS / EDITED BY MAURIZIO FEDERICO. Totowa, N.J. : Humana Press, 2003. Methods in molecular biology ; v. 229. Methods in molecular biology (Clifton, N.J.) ; v. 229.
QU 25 .M5925 2003 v.229.

Libraries – directories

AMERICAN LIBRARY DIRECTORY : A CLASSIFIED LIST OF LIBRARIES IN THE UNITED STATES AND CANADA, WITH PERSONNEL AND STATISTICAL DATA. New York : Bowker, 1923-
REFERENCE Z 662 .A512 2003/04 v.1-2.

Mathematical Computing

MODERN APPLIED STATISTICS WITH S / W.N. VENABLES, B.D. RIPLEY. 4th ed. New York : Springer, c2002. Statistics and computing.
QA 276.4 .V46m 2002.

S PROGRAMMING / W.N. VENABLES, B.D. RIPLEY. New York : Springer, c2000. Statistics and computing.
QA 276.4 .V46 2000.

BASICS OF S-PLUS / ANDREAS KRAUSE, MELVIN OLSON. 3rd ed. New York : Springer, c2002. Statistics and computing.
QA 276.4 .K73 2002.

Membrane Proteins -- Laboratory Manuals

MEMBRANE PROTEIN PROTOCOLS : EXPRESSION, PURIFICATION, AND CHARACTERIZATION / EDITED BY BARRY S. SELINSKY. Totowa, N.J. : Humana Press, c2003. Methods in molecular biology (Clifton, N.J.) ; v.228.
QU 25 .M5925 2003 v.228.

Microbiology

ADVANCES IN APPLIED MICROBIOLOGY. New York : Academic Press, 1959-
QW 85 .A38 2003 v.52.

Microsoft Excel

A GUIDE TO MICROSOFT EXCEL 2002 FOR SCIENTISTS AND ENGINEERS / BERNARD V. LIENGME. 3rd ed. Oxford : Butterworth-Heinemann, 2002.
TA 345 .L54 2002.

Molecular Biology -- Problems and Exercises

MOLECULAR BIOLOGY OF THE CELL : A PROBLEMS APPROACH / JOHN WILSON & TIM HUNT. 4th ed. New York : Garland Science, c2002.
QH 581.2 .M719 2002.

Montgomery County (Md.) – Maps

MONTGOMERY COUNTY, MARYLAND, STREET MAP BOOK. 33rd ed., 2002 ed. Alexandria, VA : Alexandria Drafting Co., c2002. REFERENCE G 1273 .M6 A33 2002.

Multivariate Analysis

APPLIED MULTIVARIATE STATISTICAL ANALYSIS / RICHARD A. JOHNSON, DEAN W. WICHERN. 5th ed. Upper Saddle River, N.J. : Prentice Hall, c2002. QA 278 .J63 2002.

National Cancer Institute (U.S.) -- Research grants

THE NATIONAL CANCER INSTITUTE PRESENTS EVERYTHING YOU WANTED TO KNOW ABOUT THE NCI GRANTS PROCESS-- : BUT WERE AFRAID TO ASK. Rev. Apr. 2002. [Bethesda, Md.] : U.S. Dept. of Health and Human Services, National Institutes of Health, National Cancer Institute, [2002]. NIH publication ; no. 02-1222. W 20.5 .N277 2002.

Neoplasms -- diet therapy

DIETARY OPTIONS FOR CANCER SURVIVORS : A GUIDE TO RESEARCH ON FOODS, FOOD SUBSTANCES, HERBALS, AND DIETARY REGIMENS THAT MAY INFLUENCE CANCER / EDITED BY GLEN WELDON. Washington, DC : American Institute for Cancer Research, c2002. QZ 200 .D565 2002.

Nervous System Diseases – genetics

GENETICS AND GENOMICS OF NEUROBEHAVIORAL DISORDERS / EDITED BY GENE S. FISCH. Totowa, N.J. : Humana Press, c2003. Contemporary clinical neuroscience. WL 140 .G3278 2003.

Nucleic Acids

PROGRESS IN NUCLEIC ACID RESEARCH AND MOLECULAR BIOLOGY. New York : Academic Press, 1964- QU 58 .P9641 2003 v.73.

Proteomics

PROTEOME CHARACTERIZATION AND PROTEOMICS / EDITED BY RICHARD D. SMITH, TIMOTHY D. VEENSTRA. San Diego, Calif. ; London : Academic, 2003. Advances in protein chemistry ; v. 65. QU 55 .A244 2003 v.65.

Smallpox – history

THE SPECKLED MONSTER : A HISTORICAL TALE OF BATTLING SMALLPOX / JENNIFER LEE CARRELL. New York : Dutton, c2003. WC 588 .C314 2003.

Spectrum Analysis, Mass

MASS SPECTROMETRY DESK REFERENCE / O. DAVID SPARKMAN. 1st ed. Pittsburgh, Pa. : Global View Pub., c2000. QC 454 .M3 S73 2000.

Structure-Activity Relationship

ANNUAL REVIEW OF BIOPHYSICS AND BIOMOLECULAR STRUCTURE. Palo Alto, CA : Annual Reviews, c1992- QT 34 .A615 2003 v.32.

Surface-Active Agents – pharmacology

MEMBRANES, DETERGENTS, AND RECEPTOR SOLUBILIZATION / EDITORS, J. CRAIG VENTER, LEN C. HARRISON. New York : A.R. Liss, c1984. Receptor biochemistry and methodology ; v. 1. QU 55 .M5345 1984.



RETRACTIONS OF PUBLICATIONS

The staff of the Scientific Library provides this service to alert our readers to any journal articles that are being retracted by the authors. Often, research that is undertaken to support the ideas in journal articles is questioned by other scientists. If the original authors then publish a formal retraction of all or parts of the original article, MEDLINE indexes that new article as "RETRACTION OF PUBLICATION" in the "publications type" field.

When a new retraction appears in MEDLINE, and subsequently in our newsletter, staff members type alerts that are permanently attached to the original articles. In this way, if a scientist is reading the original article, he/she will immediately be aware of the published retraction, and will be able to easily locate it in the journal collection.

1: Cue DR, Cleary PP
High-frequency invasion of epithelial cells by *Streptococcus pyogenes* can be activated by fibrinogen and peptides containing the sequence RGD
ORIGINAL ARTICLE: Cue DR, Cleary PP. *Infect Immun.* 1997 Jul;65(7):2759-64
RETRACTED IN: *Infect Immun.* 1998 Sep;66(9):4577
PMID: 14506794

2: Ricaurte GA, Yuan J, Hatzidimitriou G, Cord BJ, McCann UD
Retraction
ORIGINAL ARTICLE: Ricaurte GA, Yuan J, Hatzidimitriou G, Cord BJ, McCann UD. *Science.* 2002 Sep 27;297(5590):2260-3
RETRACTED IN: *Science.* 2003 Sep 12;301(5639):1479
PMID: 12970544

3: Warren ST
Minimum description length block finder, a method to identify haplotype blocks and to compare the strength of block boundaries
ORIGINAL ARTICLE: Mannila H, Koivisto M, Perola M, Varilo T, Hennah W, Ekelund J, Lukk M, Peltonen L, Ukkonen E. *Am J Hum Genet.* 2003 Jul;73(1):86-94
RETRACTED IN: *Am J Hum Genet.* 2003 Aug;73(2):444
PMID: 12934587

4: Marcato P, Mulvey G, Armstrong GD
Cloned Shiga toxin 2 B subunit induces apoptosis in Ramos Burkitt's lymphoma B cells
ORIGINAL ARTICLE: Marcato P, Mulvey G, Armstrong GD. *Infect Immun.* 2002 Mar;70(3):1279-86
RETRACTED IN: *Infect Immun.* 2003 Aug;71(8):4828
PMID: 12894765

5: [No authors listed]
Identification of an *Actinobacillus pleuropneumoniae* consensus promoter structure
ORIGINAL ARTICLE: Doree SM, Mulks MH. *J Bacteriol.* 2001 Mar;183(6):1983-9
RETRACTED IN: *J Bacteriol.* 2003 Aug;185(15):4666
PMID: 12867482

6: Leadon SA, Avrutskaya AV
Differential involvement of the human mismatch repair proteins, hMLH1 and hMSH2, in transcription-coupled repair
ORIGINAL ARTICLE: Leadon SA, Avrutskaya AV. *Cancer Res.* 1997 Sep 1;57(17):3784-91
RETRACTED IN: *Cancer Res.* 2003 Jul 1;63(13):3846
PMID: 12852405

7: [No authors listed]
Retraction of "Presence of sialic acid in N-linked oligosaccharide chains and O-linked N-acetylglucosamine in cruzipain, the major cysteine proteinase of *Trypanosoma cruzi*". [*Mol Biochem Parasitol* 2003; 127: 69-72]
ORIGINAL ARTICLE: Barboza M, Duschak VG, Cazzulo JJ, de Lederkremer RM, Couto AS. *Mol Biochem Parasitol.* 2003 Mar;127(1):69-72
RETRACTED IN: *Mol Biochem Parasitol.* 2003 Jul;129(2):215
PMID: 12850266

8: Haverdings RG, Haas M, Navis GJ, van Loenen-Weemaes AM, Meijer DK, de Zeeuw D, Moolenaar F
Renal targeting of captopril selectively enhances the intrarenal over the systemic effects of ACE inhibition in rats
ORIGINAL ARTICLE: Haverdings RG, Haas M, Navis GJ, van Loenen-Weemaes AM, Meijer DK, de Zeeuw D, Moolenaar F. *Br J Pharmacol.* 2003 Feb;138(4):531
RETRACTED IN: *Br J Pharmacol.* 2003 Feb;138(4):531
PMID: 12622114



CLINICAL ALERT

The National Cancer Institute (NCI) released a new clinical Alert on Thursday, October 9, 2003. The Alert is entitled "New Treatment Significantly Improves Long-term Outlook For Breast Cancer Survivors: *International clinical trial concludes women should consider taking letrozole after five years of tamoxifen treatment to continue to reduce risk of recurrence.*"

You may access the Alert on the Web at URL

http://www.nlm.nih.gov/databases/alerts/breast_cancer_letrozole.html , or read the complete Alert here.

ALERT:

A Canadian-led international clinical trial has found that post-menopausal survivors of early-stage breast cancer who took the drug letrozole after completing an initial five years of tamoxifen therapy had a significantly reduced risk of cancer recurrence compared to women taking a placebo. The results of the study appear in today's advance on-line edition of the *New England Journal of Medicine*.

The clinical trial has been halted early because of the positive results and researchers are notifying the 5,187 women worldwide who have participated in the study. Women on letrozole will continue taking the drug and those on the placebo can begin taking letrozole, if they wish.

"This very important advance in breast cancer treatment will improve the outlook for many thousands of women," said Andrew von Eschenbach, M.D., director of the National Cancer Institute which led the study in the United States. "This is one more example of the ability to interrupt the progression of a cancer using a drug that blocks a crucial metabolic pathway in the tumor cell."

Study researchers found that letrozole, when taken after five years of tamoxifen therapy, substantially increased the chance of remaining cancer free. In total, 132 women taking the placebo had their disease recur compared to 75 on letrozole. Overall, letrozole reduced the risk of recurrence by 43 percent, so that after four years of participating in the trial, 13 percent of the women on the placebo, but only seven percent, of those on letrozole had recurred. Deaths from breast cancer were also reduced. Seventeen women taking the placebo died of breast cancer compared to nine taking letrozole.

While tamoxifen is widely used to prevent breast cancer recurrence in post-menopausal women, it stops being effective after five years because, researchers believe, tumours become resistant to it.

"More than half of women who develop recurrent breast cancer do so more than five years after their original diagnosis," says Paul Goss, M.D., of Princess Margaret Hospital in Toronto. "For years, we have thought that we had reached the limit of what we could do to reduce the risk of recurrence with five years of tamoxifen. Our study ushers in a new era of hope by cutting these ongoing recurrences and deaths from breast cancer after tamoxifen by almost one half." Goss, a leading expert in novel hormone therapies for the treatment and prevention of breast cancer, conceived and chaired the international trial with letrozole.

A form of hormone therapy for the treatment of breast cancer, letrozole works by limiting the ability of an enzyme called aromatase to produce estrogen, a major growth stimulant in many breast cancers.

Mayo Clinic medical oncologist James Ingle, M.D., says, "Based on our findings, all post-menopausal women with hormone-receptor positive tumours completing about five years of tamoxifen should discuss taking letrozole with their doctors to reduce their risk of breast cancer recurrence." Ingle, from Rochester, Minn., led the research study in the United States.

With Canadian Cancer Society funding, the clinical trial was coordinated by the National Cancer Institute of Canada Clinical Trials Group at Queen's University, in partnership with the U.S. National Cancer Institute and its Clinical Trials Cooperative Groups. Novartis, which manufactures letrozole, also known as Femara®, provided the drug for the trial.

Women participated in the study for an average of 2.4 years and for as long as five years. The study found that women taking letrozole had a reduction in the number of recurrences of cancer in their previously affected breast, a reduction in the number of new cancers in their opposite breast, and a reduction in the spread of the cancer outside their breast.

The side effects of letrozole, a pill which is taken once a day, are very similar to those experienced by women undergoing menopause. They were generally mild in study participants. Women in the study will continue to be followed to more thoroughly assess any effects of long-term use of letrozole on bone strength or other organs. Until these are known, patients should be monitored closely.

“The Canadian Cancer Society is pleased to have made a key contribution to this study,” says Barbara Whyllie, M.D., director of Cancer Control Policy for the Canadian Cancer Society. “We estimate that more than 20,000 Canadian women will be diagnosed with breast cancer this year and just over half of those are going to be eligible for this drug. That means these women will have a significantly improved hope for a future without cancer.”

“This large trial only began in 1998 and we already have important results that will change clinical practice,” says Jeffrey Abrams, M.D., coordinator of the U.S. National Cancer Institute's Cooperative Group breast cancer treatment trials. “This is a tribute to the patients and physicians who participated since their efforts will now have a positive impact on so many lives.”

Participants in the clinical trial were enrolled through hospitals, cancer centers and institutes throughout Canada, the United States, England, Belgium, Ireland, Italy, Poland, Portugal and Switzerland. The European Organization for Research and Treatment of Cancer and the International Breast Cancer Study Group coordinated the European component of the trial.

The Canadian Cancer Society is the largest charitable funder of cancer research in Canada. It funds clinical trials research through its support of the National Cancer Institute of Canada Clinical Trials Group.

The National Cancer Institute is the primary U.S. agency for cancer research.





JOURNAL SUPPLEMENTS

American Journal of Clinical Nutrition

v.78 n.3S
Fourth International Congress on Vegetarian
Nutrition: Proceedings of a symposium
Joan Sabate and Sujatha Rajaram – guest editors
Loma Linda, CA – April 8-11, 2002

American Journal of Human Genetics

v.73 n.5 Suppl.
Program and Abstracts
53rd Annual Meeting of The American Society of
Human Genetics
Los Angeles, CA – November 4-8, 2003

American Journal of Respiratory and Critical Care Medicine

v.168 n.6 pt.2
Methods for the Assessment of Endobronchial
Biopsies in Clinical Research: Application to
Studies of Pathogenesis and the Effects of
Treatment
September 15, 2003

Annals of Neurology

v.54 Suppl.7
128th Annual Meeting American Neurological
Association
San Francisco, CA – October 19-22, 2003
Neurology Outcome Research: Current Science
and Future Directions
San Francisco, CA – October 19, 2003
32nd Annual Meeting of the Child Neurology Society
Miami Beach, FL – October 1-4, 2003

Anti-Cancer Drugs

v.14 Suppl.2
Oral tegafur-uracil plus leucovorin in metastatic
colorectal cancer: clinical insights – based on a
round table expert meeting
Guest editor: Eric Van Cutsem
June 2003

Arthritis & Rheumatism

v.48 n.9 Suppl.
2003 Annual Scientific Meeting – Abstract
Supplement
Orlando, FL – October 23-28, 2003

Biopharm International

Suppl. September 2003
BioBenchmark – Biopharmaceutical Operations
Benchmarking Study

Bone Marrow Transplantation

v.32 Suppl.1
Stem Cell Therapy for Tolerance and Tissue
Regeneration
Snowbird, UT – June 6-8, 2002

British Journal of Cancer

v.89 Suppl.1
Standards, Options and Recommendations:
Clinical practice guidelines for cancer care from
the French National Federation of Cancer Centres
(FNCLCC)
Guest editors – B. Fervers, J. Hardy, and T. Philip
August 2003

Cancer Chemotherapy and Pharmacology

v.52 Suppl.1
The 18th Bristol-Myers Squibb Nagoya
International Cancer Treatment Symposium, “New
strategies for novel anticancer drug development”
Nagoya, Japan – November 8-9, 2002

Chest

v.124 n.3 Suppl.
Thrombin: Physiology and Pathophysiology
September 2003

Clinical Cancer Research

v.9 n.10 pt.2
Ninth Conference on Cancer Therapy with
Antibodies and Immunoconjugates
Princeton, NJ – October 24-26, 2002

Clinical Infectious Diseases

v.37 Suppl.2
Interventions for Metabolic and Endocrine
Complications of HIV/AIDS and Drug Abuse
September 1, 2003

Fertility and Sterility

v.80 Suppl.2
Reproductive Biology
September 2003
v.80 Suppl.3
59th Annual Meeting of the American Society for
Reproductive Medicine
ASRM 2003
San Antonio, TX – October 11-15, 2003

Hormone Research

v.60 Suppl.1
GHD during Critical Phases of Life
6th KIGS/KIMS Expert Meeting on Growth
Hormone and Growth Disorders
Florence, Italy – November 8-9, 2003

**International Journal of Radiation Oncology,
Biology, Physics**

v.57 n.2 Suppl.
Proceedings of the American Society for
Therapeutic Radiology and Oncology
45th Annual Meeting
Salt Lake City, UT – October 19-23, 2003

JAIDS

v.34 Suppl.1
Optimising HIV Treatment – Building on
Experience: Based on a Symposium
Seville, Spain – March 15, 2002

Journal of Allergy and Clinical Immunology

v.112 n.3 Suppl.
Inhaled Corticosteroids: Past Lessons and
Future Issues
David B. Allen, MD – guest editor
September 2003

**Journal of Labelled Compounds and
Radiopharmaceuticals**

v.46 Suppl.1
Fifteenth International Symposium on
Radiopharmaceutical Chemistry
Sydney, Australia – August 10-14, 2003

Journal of Leukocyte Biology

Suppl.2003
Unraveling Inflammation
36th Annual Meeting of the Society for Leukocyte
Biology
Philadelphia, PA – October 2-5, 2003

Journal of Pathology

v.201 Suppl.
Bristol Pathology: 2nd Joint Meeting of the British
Division of the International Academy of Pathology
and the Pathological Society of Great Britain and
Ireland – Synopses of Papers
Bristol, UK – July 1-4, 2003

**Journal of Steroid Biochemistry & Molecular
Biology**

v.86 n.2-5 June 2003
Special Issue
Proceedings of the 11th International Congress on
Hormonal Steroids and the 7th International
Congress on Hormones and Cancer – “ICHS &
IHC 2002”
Fukuoka, Japan – October 21-25, 2002

Journal of Urology

v.170 n.4 pt.2
Papers Presented at Annual Meeting of the Section
on Urology, American Academy of Pediatrics
Boston, MA – October 19-21, 2002

Kidney International

Suppl. No. 86
The Participation of the Tubulointerstitium in
Hypertension and Progression of Renal Disease
October 2003

Leukemia Research

v.27 Suppl.1
7th International Symposium on Myelodysplastic
Syndromes
Invited Editors – Pierre Fenaux, Francois Dreyfus,
Nicole Casadevall
Paris, France – May 15-18, 2003

Neurology

v.61 n.6 Suppl.2
Unique Considerations in the Treatment of Women
with Epilepsy
Nancy Foldvary-Schaefer, DO – guest editor
September 23, 2003

v.61 n.6 Suppl.3
Progress in Parkinson's Disease
AHV Schapira, MD, DSc, FRCP, FmedSci – guest
editor
September 23, 2003

Oncology

v.65 Suppl.1
New Aspects in the Diagnosis and Treatment of
Prostate Cancer
guest editors – K. Miller, T.Wiegel,
W. Hinkelbein
September 2003

**Proceedings of the National Academy of
Sciences**

v.100 Suppl.1
Arthur M. Sackler Colloquium of the National
Academy of Sciences – Regenerative Medicine
September 30, 2003

Proceedings of the Royal Society

v.270 Suppl.1
Biology Letters
August 7, 2003

Seminars in Hematology

v.40 n.3 Suppl.3
Hemophilia Treatment Strategies: Balancing the
Benefits and Risks
Marilyn J. Manco-Johnson – guest editor
July 2003

Seminars in Oncology

v.30 n.4 Suppl.9

Recent Advances in Combined Modality Therapy for Solid Tumors

Hak Choy, MD – guest editor

August 2003

v.30 n.4 Suppl.10

Gemcitabine (Gemzar), Permetrexed (Alimta), and the Use of Cytotoxic Agents in the Treatment of Thoracic Cancer

Peter Harper, MD, FRCP – guest editor

August 2003

v.30 n.4 Suppl.11

New Perspectives in the Management of Upper Gastrointestinal Malignancies

Al B. Benson III, MD – guest editor

August 2003

v.30 n.4 Suppl.12

New Approaches to Stage III and IV Colorectal Cancer

Michael P. Kosty, MD – guest editor

August 2003

v.30 n.4 Suppl.13

Advances in the Management of Chemotherapy-Induced Neutropenia

Howard Ozer, MD – guest editor

August 2003

v.30 n.4 Suppl.14

Aromatase Inhibitors and Breast Cancer

Clifford Hudis, MD – guest editor

August 2003

Toxicology Letters

v.144 Suppl.1

Abstracts of the 41st Congress of the European Societies of Toxicology

EUROTOX 2003 ‘Science for Safety’

Florence, Italy –

September 28-October 1, 2003

Transplantation

v.76 n.4 Suppl.

9th Congress of the International Pancreas & Islet Transplant Association

Final Programmes & Book of Abstracts

Dublin, Ireland – July 8-11, 2003

Tumor Biology

v.24 Suppl.1

The XXXIst Meeting of the International Society for Oncodevelopmental Biology and Medicine, ISOBM 2003

Edinburgh, UK –

August 30-September 4, 2003

Urology

v.62 n.3A

Lower Urinary Tract Symptoms/Benign Prostatic Hyperplasia: Controlling Factors that Matter

guest editors – Christopher R. Chapple, MD and Bob Djavan

September 2003

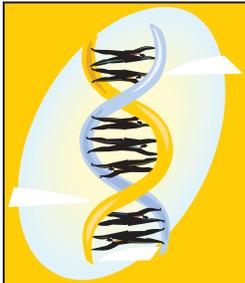
The Veterinary Record

British Veterinary Association

Annual Report

2002-2003





Current Topics in Genome Analysis



The "**Current Topics in Genome Analysis**" course will be teleconferenced to NCI-Frederick from the NIH campus, beginning Tuesday, September 2, 2003. The 13-week program will be held in **Conference Room B of the Conference Center in Building 549, on Tuesday mornings from 10:00 - 11:30 a.m.** The one **exception** to this schedule is **November 4**, when the teleconference will be held in the **Executive Board Room of the Conference Center.**

The Library will provide copies of the handouts each week, or you can access the handouts from the web site at URL: <http://www.genome.gov/COURSE2003>

The weekly topics and speakers are listed below.

September 2
Techniques for Genome Mapping and Sequencing
Dr. Eric Green, NHGRI

September 9
Overview of NCBI Resources
Dr. Medha Bhagwat, NCBI

September 16
Mining Genomic Sequence Data
Dr. Tyra Wolfsberg, NHGRI

September 23
Nucleotide and Protein Sequence Analysis I
Dr. Andy Baxevanis, NHGRI

September 30
Nucleotide and Protein Sequence Analysis II
Dr. Andy Baxevanis, NHGRI

October 7

Protein Structure Analysis and Protein-Protein Interactions

Dr. David Wishart, University of Alberta

October 14

Comparative Genomics I: Laboratory Techniques

Dr. Roger Reeves, Johns Hopkins University School of Medicine

October 21

Comparative Genomics II: Computational Techniques

Dr. Elliott Margulies, NHGRI

October 28

Phylogenetic Analysis

Dr. Fiona Brinkman, Simon Fraser University

November 4 - NOTE: Teleconference in Executive Board Room

Microarray Analysis

Dr. Paul Meltzer, NHGRI

November 11

No Lecture

November 18

No Lecture

November 25

Studying Genetic Variation I: Laboratory Techniques

Dr. Karen Mohlke, NHGRI

December 2

Studying Genetic Variation II: Computational Techniques

Dr. Jim Mullikin, NHGRI

December 9

Strategies for Disease Gene Identification

Dr. Dennis Drayna, NIDCD

