

ISICR Newsletter 3-2

ABSTRACT DEADLINE EXTENDED:

ABSTRACTS NOW DUE MAY 31

Win a Travel Award (or Young Investigator Award) and Come to the Geneva ISICR- ICS Joint Meeting

Application Deadline May 31, 1996.

As a generous tradition of our society, travel awards are provided to assist ISICR members to attend Annual Meetings. All ISICR members are eligible for the awards. Send applications (1) Name, address and position of applicants, (2) A brief statement of justification for the award, (3) Five relevant publications and (4) Meeting Abstract.

Investigators who are within four years after doctoral training are eligible for Young Investigator Awards. Send (1) Statement of research accomplishment, (2) CV and (3) Meeting Abstract

Nominate your role models for Milstein Awards and Honorary Membership

All ISICR members are eligible for nomination of the Milstein Award. This award recognizes ISICR members who have made significant contributions to the interferon/cytokine field (either in the basic research or in clinical fields). Send (1) Name and address of the person whom you nominate, (2) Your statement/reasoning for the nomination, (3) Relevant bibliography of the nominee, and (4) Three supporting letters.

Nomination for ISICR Honorary members. Send (1) name and address of the person whom you nominate, (2) Your supporting statement, and (3) A list of 10 most important publications by the nominee.

For more details of these awards and the selection procedures, see Journal of Interferon and Cytokine Research (May 1995), and ISICR Newsletter (February 1996). Send 7 copies of application/nomination to:

Dr. Keiko Ozato, Chairperson,

ISICR Awards Committee,

Bldg 6, Rm 2A01,

Lab. of Molecular Growth Regulation, NICHD, NIH,

Bethesda MD, 20892. USA.

ISICR NOW TESTING

A WWW SITE

Through the efforts of Menachem Rubinstein, the ISICR now has a WWW beta test site. Check it out at:

<http://>

bioinformatics.weizmann.ac.il/ISICR/

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NEW ISICR BUSINESS OFFICE

The ISICR now has a new business office:

Address all correspondence to :

ISICR

Business Office

9650 Rockville Pike

Bethesda, MD 20814- 3998

Tel: 301- 571- 8319

Fax: 301- 530- 7049

Email: isicr@faseb.org

USE THIS NEW BUSINESS ADDRESS TO RENEW YOUR MEMBERSHIP!

NEW INITIATIVE: COMPLEX DISORDERS COLLECTION

The National Institute of General Medical Sciences (NIGMS) Human Genetic Mutant Cell Repository is requesting submission of blood or lymphoblastoid cell cultures from probands with well- documented phenotypes representing a variety of familial complex genetic disorders. In addition to familial cancers, such as breast, prostate, colon, pancreatic, and melanoma, other complex disorders currently being sought include multiple sclerosis, epilepsy, Parkinsonism, hypertension, atherosclerosis, long QT syndrome, osteoporosis, asthma, rheumatoid arthritis, nonsyndromic hearing loss, neural tube defects, congenital heart disease, cleft lip and palate, fetal alcohol syndrome, morbid obesity, psoriasis, glaucoma, macular degeneration, cataracts, migraine, lupus erythematosus, Crohn disease and other inflammatory bowel disease, autism, dyslexia, attention deficit disorder, and Tourette syndrome. To arrange for submission of specimens, please contact:

Jeanne C. Beck

Coriell Cell Repositories

Coriell Institute for Medical Research

401 Haddon Avenue

Camden, New Jersey 08103

Tel: 609- 757- 4847

Fax: 609- 757- 9737

e- mail: jbeck@umdnj.edu

CHANGE IN WHO INTERNATIONAL HuIFN- γ STANDARD

As of 26 February 1996, the WHO Expert Committee on Biological Standardization (ECBS) has recommended that the NIAID Interferon Repository discontinue shipments of natural HuIFN- γ (Cat# Gg23- 901- 530). Henceforth, the Repository will only supply the recombinant HuIFN- γ (Gxg01- 902- 525), which will be the sole WHO International Standard for HuIFN- γ . Contact Danny Ringer at Braton Biotech, Inc. (Tel# 301- 208- 1777, Fax# 301- 208- 1779) for a Repository catalogue and/or registration form.

MONOCLONAL ANTIBODIES TO HUMAN IFN- α NOW AVAILABLE

Monoclonal antibodies specific to human IFN- α 1, α 2a and α 2b are now available. Also available, a monoclonal antibody affinity chromatography column useful for the purification of recombinant human IFN- α (rIFN- α 1, α 2a, α 2b) and leukocyte IFN- α . **Contact:** Professor Lihua Song, Biological Institute of Anhui Province, 312 Suixi Road, Hefei, 230031, P.R. China. FAX# 0086- 551- 552- 2361.

REGIONAL MAPPING PANELS NOW AVAILABLE

The National Institute of General Medical Sciences' (NIGMS) Human Genetic Mutant Cell Repository has regional mapping panels available for distribution as cell cultures or DNA. These mapping panels, consisting of 5 to 10 human/rodent somatic cell hybrids with deletion or derivative human chromosomes, are available for chromosomes 4, 5, 11, 15, 17, and 18. Regional mapping panels for additional human chromosomes will be available in the near future. The panels have been characterized cytogenetically by G- banded chromosome analysis, in situ hybridization using biotinylated human DNA, and, in some cases, with chromosome- specific painting probes. Molecular characterization included Southern blot hybridization and/or PCR with p and q arm probes and primers. Information about these cultures and DNA is available via Internet. Telnet to coriell.umdnj.edu. At the login prompt, type: online. To access the catalog via modem, dial 609- 757- 9728. For additional information or a Repository catalog, contact:

NIGMS Human Genetic Mutant Cell Repository,

Coriell Cell Repositories,

401 Haddon Avenue, Camden, NJ 08103

Tel: (800) 752- 3805 in the United States; (609) 757- 4848 from other countries; FAX: (609) 757- 9737

ANOTHER ISICR GUARANTEED RECIPIE

(not sure what it's guaranteed for but certainly not for those on diets)

Mystery Pecan Pie

8 oz. pkg. cream cheese (softened)

4 eggs

1/3 cup sugar

2 teaspoons vanilla

9 inch pie shell, unbaked

1 1/4 cups chopped pecans

1 cup light corn syrup

1/4 cup sugar

1/4 teaspoon salt

Cream together cream cheese, 1 egg, 1/3 cup sugar and 1 teaspoon vanilla in mixer bowl. Beat until fluffy. Spread mixture on bottom of prepared pie shell. Sprinkle pecans over cheese mixture.

Beat the 3 eggs in mixer bowl until well- mixed but not foamy. **DO NOT OVERBEAT.** Add corn syrup, 1/4 cup sugar, remaining vanilla and salt. Mix well. Pour over pecans. Bake at 350 degrees for 40 minutes or until nuts are lightly browned. Top will rise like a souffle and sink as it cools. Serve warm or cold. May be frozen. Serve at room temperature.

ONE PIECE WILL NOT BE ENOUGH!

RENEW NOW OR THIS WILL BE YOUR LAST NEWSLETTER!!!!

WWW SOURCES

IMMUNOGENETICS IMGT DATABASE

Professor Marie- Paule LEFRANC

Laboratoire d'ImmunoGenetique Moleculaire, LIGM UMR CNRS 9942, Institut de Genetique Moleculaire

BP 5051, 1919 route de Mende, 34033 MONTPELLIER Cedex 1 FRANCE

Tel: (33) 67 61 36 34

FAX: (33) 67 04 02 31/67 04 02 45

e- mail: lefranc@ligm.crbm.cnrs- mop.fr

The ImMunoGeneTics database, IMGT, is an integrated specialised database containing nucleotide sequence information of genes important in the function of the immune system. It collects and annotates sequences belonging to the immunoglobulin superfamily which are involved in immune recognition, these are the B cell antigen receptor (Immunoglobulin or Ig), the T cell antigen receptor (TCR) (LIGM-database) and the class I and class II molecules of the Human Leucocyte Antigens (HLA) system (HLA-database).

IMGT/LIGM DATABASE

An integrated immunogenetics database (IMGT/LIGM) specialising in Ig and TcR is under development through collaboration between LIGM, IFG and EMBL ousation EBI. This database consists of the Ig and TcR sequence entries. Release 3 (March 1996) contains 5109 fully annotated sequence entries.

Collaborators:

LIGM Montpellier: Marie- Paule Lefranc (coordinator), Veronique Giudicelli, Denys Chaume

EMBL- EBI: Ansar Malik

IFG: Werner Mueller

MRC: Ian Tomlinson

ACCESS/DATA DISTRIBUTION

WWW server: <http://www.ebi.ac.uk/imgt/>

FTP server: <ftp.ebi.ac.uk/pub/databases/imgt>

E_MAIL server: email netserv@ebi.ac.uk - - send "help IMGT" in the mail body.

This database is available on CD- ROM as an accompanying databaseto the EMBL Nucleotide Sequence Database at nominal cost.

Ansar Malik Ph.D

Email: Malik@ebi.ac.uk

EBI - European Bioinformatics Institute

URL: <http://www.ebi.ac.uk>

Hinxton Hall, Hinxton, Cambridge CB10 1RQ, UK

Tel:+44 (1223) 494417 Fax:+44 (1223) 494968

The PCR Primers database.

The PCR primers database is a practical database of fully tested and optimized primers for PCR reactions. The database contains all the data items required to reproduce precisely the reaction conditions of the submitting author and contact details in case of a need. The database can now be searched through WWW by using extremely powerful search utilities of the SRS at the Netherlands EMBnet node at CAOS/CAM

<http://www-srs.caos.kun.nl/srs/srsc>

Searches can be on almost any of the data record fields, including the target, sequence, species, contributing author etc. Many thanks to Jack Leunissen who has set- up this service.

Modification to a data field tag: The accession number tag has been changed to ACCESS, just to make more sense to the interpretaion of the tag.

Addition of a data field: There is now a data field for literature cross- reference. Whenever possible, the reference which is given is linked with the appropriate

Medline entry. The tag for this field is REF XRF.

Additions to the WWW pages: Some information and appropriate links were added on subjects related to the design of primers. Any further input from experienced users is welcome. In the near future I intend to include a methods page that will link to information on those methods which are often requested on the network. Each of the informative web pages (excluding the home page) now has a special feedback form. Any additional information or comments from users is highly welcome.

Data submissions: The database relies heavily on submissions from users. The importance to the users community will increase with the increase in entry numbers. Users are encouraged to submit primers to the database. Submissions can be made either through the WWW or by using a text based submission form. If you maintain large numbers of primers in a spreadsheet or small database or a simple but organized text file, please contact me. I can process large numbers of entries from almost any format.

Summary of access means:

The database home page can be accessed directly at:

http://www.ebi.ac.uk/primers_home.html

The data and documentation can be obtained through anonymous ftp to:

<ftp.ebi.ac.uk> under: /pub/databases/primers/

Searches at the CAOS/CAM server:

<http://www-srs.caos.kun.nl/srs/srsc>

Users who have no other means of connection besides email, can now use the EMBL- EBI automatic mail server to retrieve the database files and documents. To start working with the mail server in general, send a message containing the word "HELP" either in the subject line or in the body of message, to: netserv@ebi.ac.uk Here are the commands which are available for the primers database:

Here is a summary of all the available commands for the primers database, that can be specified in an email message sent to netserv@ebi.ac.uk

To obtain send the command

A general help file HELP PRIMERS

The database fields definitions file

GET PRIMERS:DEFINITIONS

A bogus filled entry as an example

GET PRIMERS:EXAMPLE

An electronic data submission form

GET PRIMERS:SUBMISSION.FORM

The actual data file with the entries

GET PRIMERS:PRIMERS

This database will NOT be created by journal scanning and active searching, but from direct submissions from researchers only. The key to the success of this database is your submissions, so do set aside some spare time and send your primers.

Our email: primers@ebi.ac.uk

WWW: http://www.ebi.ac.uk/primers_home.html

fax: +44 1223 494468

Tel: +44 1223 494437

I highly welcome any questions, corrections, remarks or discussions concerning the PCR Primers database (Email is the most preferred way). Best wishes. Good luck with your PCR experiments.

Benny Shomer

Email: bshomer@EBI.ac.uk

http://www.ebi.ac.uk/ebi_docs/staff/benny.html

Virtual Library on Conferences

Conferences, workshops and similar events announced on bionet.announce are also available through the respective sections at <http://www.iao.fhg.de/Library/conferences/>

(note the capital "L").

Juergen Wagner

Postmaster/Webmaster of Fraunhofer- IAO

Moderator of news.announce.conferences

Juergen.Wagner@iao.fhg.de

wagner@cs.stanford.edu

Fraunhofer- Institut fuer Arbeitswirtschaft und Organisation (FhG- IAO) Nobelstr. 12c D- 70569
Stuttgart, Germany

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More info: <<http://www.iao.fhg.de/Public/leute/jrw-en.html>> Whois: <JW546>

Virtual Library on Conferences: <<http://www.iao.fhg.de/Library/conferences/>>

Virology Web Sites

The Garry Lab is pleased to announce a major update of our well known WWW site, All the Virology on the WWW:

<http://www.tulane.edu/~dmsander/garryfavweb.html>

In addition to listing all the virology related sites on the www, this resource now includes The Big Picture Book of Viruses and a collection of online microbiology and virology courses and tutorials. The Big Picture Book of Viruses displays viruses by family in photographs and graphics from sites around the web. It includes direct links to other sites of interest for each virus as well as links to tutorials. The online courses are courtesy of Dr. Alan Cann of the University of Leicester, UK. We thank him

for his support! If you would like to add your site to our list, please use the submission form at the following URL:

<http://www.tulane.edu/~dmsander/garryfavwebadd.html>

I look forward to hearing any and all comments or suggestions that you may have. Thanks again for your support.

David M. Sander

E- Mail: dmsander@mailhost.tcs.tulane.edu

Department of Microbiology and Immunology, SL38

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1430 Tulane Avenue New Orleans, LA 70112- 2699

Tel: (504) 586- 3818 (lab) 588- 5150 (dept)

Fax: (504) 588- 5144 (dept)

WWW Homepage Address: <http://www.tulane.edu/~dmsander/GarryHomePage.html>

All the Virology: <http://www.tulane.edu/~dmsander/garryfavweb.html>

CPGISLE

Human CpG- island database 4.0

Lopez R., Prydz H. The Biotechnology Centre of Oslo, University of Oslo Gaustadalleen 21, 0317 Oslo, Norway

Tel: +47- 22958754, Fax: +47- 22694130

e- mail: hans.prydz@biotek.uio.no, rodrigo.lopez@biotek.uio.no

Reference: Larsen F., Gundersen, G., Lopez R., Prydz H. CpG island as Gene Markers in the Human Genome. *Genomics* 13:1095- 1107 (1992)

This release contains 950 genes and 99 pseudogenes described in release 45 of the EMBL nucleotide sequence database. We have assigned the genes transcribed by RNA polymerase II to two groups

on the basis of expression. The first group (widespread) consists of housekeeping genes and genes expressed in a wide range of tissues, and the second group (limited) consists of genes with limited or tissue- specific expression.

WWW URL: <http://www.no.embnet.org/>

FTP: <ftp://ftp.no.embnet.org/cpgisle>

<ftp://ftp.ebi.ac.uk/pub/databases/cpgisle>

CpGIIsle is also available for browsing using the SRS- WWW system:

<http://www.no.embnet.org/srs/srsc>

tacg: a program for the restriction enzyme analysis of DNA

This is to announce the availability of 'tacg', a command line tool for the restriction enzyme analysis of DNA for unix- like operating systems. Binaries currently exist for IRIX (5.3), SunOS (5.3), OSF/1 (V3.0/347), and Linux(1.2.8); others will be made available as I find systems on which to compile them, or as others contribute binaries. For the impatient, here's an example of how to use it:

```
tail +44 seq.file | tacg - n 6 - o 5 - F 2 - l ladder.map - w 90 >seq.file.map
```

Translation: chop off the top 44 lines of seq.file and pipe the resulting sequence to tacg, returning info on all 6+ cutters (- n 6) that generate 5' overlaps (- o 5), giving me the sorted fragment sizes of those enz's that match (- F 2) and a ladder map (- l ladder.map), along with the default linear restriction map w/ 1 letter, 1 frame translation and write the output 90 characters wide (- w 90) to a file called seq.file.map. If you're interested in using it, you can get it via anonymous ftp at:

<ftp://mamba.bio.uci.edu/pub/tacg>

The source code is freely available for instructional and nonprofit purposes, although since it is presently in beta release, I would suggest that anyone contemplating incorporating it would wait for the next release while more bugs are shaken out. Assuming it's used a fair bit, I'd like to have a chance to change it based on responses, document it more extensively and neaten it up before general release. This is citation- ware. If you use it, please allow it to spit back about 100 bytes of data so I can analyze its use and spread. You can check the source code (especially `udping.xx.c`) to see what it does and if it still makes you uneasy, you can disable it from the command- line or recompilation.

Harry J Mangalam, Microbiology and Molecular Genetics, UC Irvine,

Irvine, CA, 92717, (714) 824- 4824, fax (714) 824 8598

<http://hornet.mmg.uci.edu/~hjm/hjm.html>

FEBS

Since early 1996 it is possible to obtain information on the activities of FEBS via the World Wide Web. The FEBS homepage has the following URL:

<http://ubeclu.unibe.ch/mci/febs/>

Updated information is available on Febs Meetings, on Febs Advanced Courses, on Febs Fellowships and on the European Journal of Biochemistry and Febs Letters.

The pages are maintained on behalf of FEBS by Dr. Peter Ott , Institute for Biochemistry and Molecular Biology; B=FChlstr. 28; CH- 3012, Bern/Switzerland.

(e- mail:ott@mci.unibe.ch)

The HUM- MOLGEN (Human Molecular Genetics) mailing list

Another new milestone has been

reached! In somewhat over a year 3000 colleagues interested in genetics and molecular biology have gathered at this digital meeting place! Subscribers are clinicians, geneticists, molecular biologists, (medical or biological) students and other individuals interested in the field. HUM- MOLGEN is a moderated, interactive communication and information listserver in Human Genetics. It is available over the Internet. At this time (January '96), more than 3.000 subscribers and 10.000 WWW users from 56 countries participate at this forum. The Editors are Arthur A.B. Bergen, Carlo Gambacorti, Hans Goerl, Manuel B. Graeber, Kai Garlipp, Martin Kennedy, Ulrich Muller, Jurg Ott and Frank S. Zollmann. Subscription to HUM- MOLGEN is entirely free. Users connected to the Internet can subscribe to the list by sending E- Mail to: listserv@nic.surfnet.nl subscribe HUM- MOLGEN first_name last_name (bionet) For more information on HUM- MOLGEN please take a look at our WWW at <http://www.informatik.uni-rostock.de/HUM-MOLGEN>.

BioTech WWW Site

BioTech is an interactive educational resource and biotechnology reference site at <http://biotech.chem.indiana.edu>

It's absolutely free, and it features an ever- growing online bioscience dictionary, staff- written educational articles about various topics in genetics, and annotated links to a wide range of relevant resources around the Internet. Have a look, and use our feedback forms to give us any suggestions you might have. Lucy Snyder, BioTech technical writer

Clinical Trials

NCI- V95- 0758, UW- 24218- A/E: Phase IB study of outpatient subcutaneous interleukin- 2 for stage III/IV Mycosis Fungoides. Contact: Dr. Philip Gold, Univ. of Washington Medical Center, TEL# 206- 548- 4647

T95- 0088: A phase II trial of interleukin- 2 in patients with myelodysplastic syndromes. Contact: Dr. Michael S. Gordon, Indiana University Medical Center, TEL# 317- 274- 3545

T95- 0104: Phase I study of adoptive cellular therapy of solid tumor malignancies with tumor- draining lymph node cells activated and expanded in vitro with bryostatin- 1, ionomycin, and interleukin- 2. Contact: Dr. Harry D. Bear, Medical College of Virginia, TEL# 804- 828- 9325

NIAID: To determine the effects of intravenously administered IL- 10 on immune function and viral replication and load in HIV- 1- infected patients. Contact: Kim Roche, NIAID, TEL# 301- 496- 1471

T95- 0039: Study of the immunological effects of interleukin- 12 administered with a MART- 1 human melanoma peptide vaccine in incomplete Freund's adjuvant. Contact: Dr. Steven Rosenberg, NCI, TEL# 301- 496- 4164

T95- 0027: Phase II trial of topotecan and cyclophosphamide, with G- CSF (Neupogen) in high- risk small- cell lung cancer. Contact: Dr. John Murren, Yale University, TEL# 203- 785- 6222

NCI- V95- 0770, MSKCC- 95956: Phase I/II study of TXT/VNB with G- CSF for stage IIIB/IV nonsmall cell lung cancer. Contact: Dr. Vincent A. Miller, Memorial Sloan- Kettering Cancer Center, TEL# 212- 639- 7722

Reviews of Interest

The following reviews are listed for those ISICR members who may have missed them.

Alcami, A. and G.L. Smith: Cytokine receptors encoded by poxviruses: a lesson in cytokine biology. *Immunology Today* 16: 474- 478, 1995.

Benveniste, E.N. and D.J. Benos: TNF- $[[\alpha]]$ and IFN- $[[\gamma]]$ - mediated signal transduction pathways: effects on glial cell gene expression and function. *FASEB J.* 9:1577- 1585, 1995.

Dinarello, C.A.: Biologic basis for interleukin- 1 in disease. *Blood* 87: 2095- 2147, 1996.

Drazen, J.M., Arm, J.P. and K. F. Austen: Sorting out the cytokines of asthma. *J. Exp. Med.* 183: 1- 6, 1996.

Gianani, R. and N. Sarvetnick: Viruses, cytokines, antigens, and autoimmunity. *PNAS* 93: 2257- 2259, 1996.

Gilat, D., Cahalon, L., Hershkovich, R. and O. Lider: Interplay of T cells and cytokines in the context of enzymatically modified extracellular matrix. *Immunology Today* 17:16- 20, 1996.

Heaney, M.L. and D.W. Golde: Soluble cytokine receptors. *Blood* 87:847- 857, 1996.

Ihle, J.N.: STATs: Signal transducers and activators. *Cell* 84:331- 334, 1996.

Slavin, J.: The role of cytokines in wound healing. *J. of Pathology* 178: 5- 10, 1996.

Trinchieri, G.: Interleukin- 12 and interferon- γ ; Do they always go together? *Amer. J. of Pathology* 147:1534- 1538, 1995.

HELP US

If you would like to see new features or have comments about the newsletter contents, please correspond with any of the individuals listed below:

Send correspondence to:

Howard Young

Lab. of Experimental Immunology

NCI- FCRDC, 560/31- 23

Frederick, MD 21702- 1201

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e- mail: youngh@ncifcrf.gov

Gerald Sonnenfeld

Div. of Research Immunology

Carolinas Medical Center

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Charlotte, NC 28232- 2862

FAX# 704- 355- 7203

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sonnenfe@med.unc.edu

Bratko Filipic

Institute for Microbiology

Medical Faculty

61105 Ljubljana

Slovenia

FAX# 38661302- 895

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REAL ADVERTISEMENTS WE GOT SOME!

Proceeds from advertisements in the ISICR News would be used solely to cover the costs of copying and distributing the newsletter. The newsletter editorial board would have the option of rejecting ads deemed not suitable . Inquiries regarding costs (ads are cheap) should be directed to the ISICR headquarters office.

Patronize our advertizers!

They may do it again!!!!

Cytokine & Growth Factor Reviews

We are pleased to announce that this new Elsevier Science Journal is now available to members of the ISICR at the special society rate of only US \$72.00

The journal will publish essential reading in the rapidly changing fields of growth factor and cytokine research, addressing areas as diverse as signal transduction, embryonic development, immunology, tumorigenesis and clinical medicine.

To start a subscription to *Cytokine & Growth Factor Reviews* at the special ISICR rate, please contact Jayne Hewitt in the Elsevier Science Fulfilment Dept. at the Oxford address given below, or telephone her on: +44 (0)1865 843379.

To request a free sample copy, please

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FAMOUS QUOTES

There are two kinds of people, those who do the work, and those who take the credit. Try to be in the first group; there is less competition there. Indira Gandhi

LOAN THIS ISSUE TO A COLLEAGUE!

Pass this issue along to a colleague and convince them to join the **ISICR**. Membership gets you the ISICR directory, this terrific newsletter, discount registration at the national meeting, eligibility for ISICR awards and discount subscription rates, even free recipies. Remember, a three year membership is just \$95 and you don't have to worry about renewing each year. A membership form is attached to this newsletter.

NEW MEMBERS

The following is a list of those new members of the society who have joined since the directory was published. Contact the ISICR office for address information.

Syed Mohd Akramuzzaman - Dhaka,

Bangladesh

Klara Berencsi - Philadelphia, PA

Asa Berglund - Umea, Sweden

Ruorong Cai - Cleveland, OH

Paul Chaplin - Berkshire, United Kingdom

Frances Clay - Abingdom, United Kingdom

Jeffrey Cohen - Cleveland, OH

Daniele D'Ambrosio - Milano, Italy

Bansidhar Datta - New Haven, CT

Linda Diou - Westbrook, ME

Stephen Feldman - Hialeah, FL

Bernadotte Folke - Stockholm, Sweden

Lallan Giri - West Greenwich, RI

P.J. Guillou - Leeds, United Kingdom

Peter Heinrich - Aacjem, Germany

Yuan Sen Jiang - Guangzhou Shidai, China

Wendy Jones - Cambridge, MA

Motoo Kitagawa - New Haven, CT

Peter Kontsek - Bratislava, Slovak Republic

Nitza Lahat - Haifa, israel

Emer Lawlor - Dublin, ireland

Chien- kuo Lee - New York, NY

Stewart Leung - Cleveland, OH

Hilton Levy - Bethesda, MD

Xiaoxia Li - Cleveland, OH

Mary Lokuta - Madison, WI

Michael Lotze - Pittsburgh, PA

Hong- tao Lu - Cleveland, OH

Josip Lukac - Zagreb, Croatia

Kouji Matsushima - Ishikawa, Japan

Renata Mazuran - Zagreb, Croatia

Hakan Mellstedt - Stockholm, Sweden

Judy Mikovits - Frederick, MD

Soren Mogensen - Aarhus C, Denmark

Walid Mourad - Quebec, Canada

Kazushige Nagai - Hakkaido, Japan

Sobha Pisharody - New York, NY

Gunnar Pohl - Umea, Sweden

Zhongtian Qi - Shanghai, China

LeRoy Rabbani - New York, NY

Mauricio Seigelchifer - Buenos Aires, Argentina

David Shapiro - Glasgow, Scotland

Sarah Shapiro - Haifa, Israel

Alan Shenkin - Liverpool, United Kingdom

Wu- Chou Su - New Haven, CT

Seng- Lai Tan - Seattle, WA

Akio Uemura - Tokyo, Japan

Timofeyer Vasiljevich - Koltsovo, Russia

Takashi Yokota - Tokyo, Japan

Naiming Zhou - Leuven, Belgium

Snjezana Zidovec - Zagreb, Croatia

MOVING AND FORGOT TO TELL US OR RENEW?

Send the ISICR office your new address

FAX: 301- 530- 7049

Email: ISICR@faseb.org

NAME:

New Address: _____

1996

ISICR MEETING

IN CONJUNCTION

WITH THE

INTL. CYTOKINE

SOCIETY

OCT. 6- 10

PALEXPO, GENEVA,

SWITZERLAND