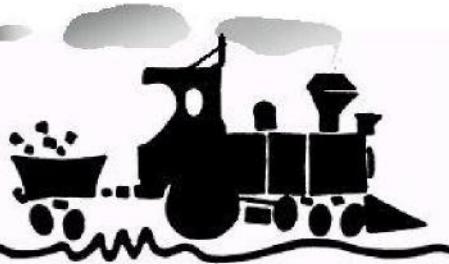


Ex-Ls Express



Summer 2012

Volume 3

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EX-Ls EXPRESS – Fall 2012

Published Quarterly at the end of January, April, July, and October

Editor: Louise Vogelsberg

Deadline for Newsletter submittals is 7 days after the Board meeting.

EX-Ls BOARD OF DIRECTORS

President:	Joseph Jaklevic
1 st Vice President:	Trudy Forte
2 nd Vice President:	Bob Schmieder
Secretary:	Karen Springsteen
Treasurer/Membership:	Suzanne Stroh
Activities:	Vicky Jared
LBNL Liaison:	Armando Viramontes
CUCRA/AROHE Representative:	Janis Dairiki
UCBRC Policy Board:	Richard Sexto Joe Jaklevic
UCBRC Liaison:	Patrick Cullinane
Editor EX-Ls EXPRESS:	Louise Vogelsberg
Webmaster – www.lbl.gov/EX-Ls	Richard Baker

PAST PRESIDENTS:

Rollie Otto – 2011	Ken Mirk – 1999
Richard Sextro – 2010	Paul Hernandez – 1998
Don Grether – 2009	Clay Sealy – 1996-1998
Jose Alonso – 2008	Igor Blake – 1994-1996
Janis Dairiki – 2007	Conway Peterson – 1992-1994
John Kadyk – 2006	Howard Browne – 1990-1992
Gene Binnall – 2005	Ethel Skyrdlinski - 1989
Sig Rogers – 2004	Al Amon - 1988
Bob Fulton – 2003	Ken Lou – 1987
Bob Birge – 2002	Virginia Cherniak - 1986
Per Dahl - 2001	Bill Bigelow - 1985
Tom Beales – 2000	Ted Bowers – 1981-1984

WELCOME NEW MEMBERS THIS QUARTER

Larry Morrison
Jeri Edgar
Rita Tidwell
Todd Hansen

CALENDAR OF BOARD MEETINGS & LUNCHEONS:

<u>Board:</u>	<u>Luncheons:</u>
January 12, 2012	February 16, 2012
April 12, 2012	May 17, 2012
July 12, 2012	August 16, 2012
October 11, 2012	November 15, 2012

Board Meetings start at **3:00** on the dates listed above, usually in 54-130B (that's in the conference room addition to Perseverence Hall at the Cafeteria) at the Lab, but subject to change at the last minute, so check with a Board member if you plan on attending. We welcome attendance by interested members.

OFFICE ADDRESS:

LBNL EX-Ls
530 Curtis Street
Albany, CA 94706

Photo Site: <http://picasaweb.google.com/exLpics>

Photo Czar: Ned Dairiki

Website: www.lbl.gov/EX-Ls

Webmaster: Richard Baker (xrobaker@comcast.net)

MEMBERS DECEASED IN 2012

Elaine G “Kay” Lucas
Douglas Drummond
Don Coyle
Gerry West

EX-Ls Honorary Life Members

Shirley Ashley
Esther Colwell
Inge Henle
Bud Larsh

PRESIDENT'S MESSAGE

JOSEPH JAKLEVIC

There has been a significant level of activity within the EX-Ls over the past few months that was reflected in a full agenda for the recent Board of Director's meeting.

I am happy to report that the important contract between LBNL and the UCB Retirement Center has been successfully renewed for an additional three years. It is gratifying that in this era of budgetary challenges UCBRC will be able to continue to provide important services to the entire LBNL retirement community in the immediate upcoming years. See Patrick Cullinane's report in this Newsletter for more details.

An update on progress on the retirement survey carried out by the EX-Ls shows that the committee, with assistance from UCBRC staff, has completed the assembly, review and analysis of the responses. A final report is nearing completion. Janis Dairiki, committee chair, discusses the survey elsewhere in the Newsletter.

The triennial review of the EX-Ls governing Bylaws is virtually complete and the proposed changes have been discussed by the full Board. In addition to minor changes in the language it is proposed that we modify the management structure with the creation of four standing committees aligned with the current functions of the elected officers. The committees would be structured as follows: an Executive Committee, chaired by the President; a Luncheon Speaker Committee, chaired by the First Vice President; a Membership Committee, chaired by the Membership Coordinator; and an Activities Committee, chaired by the Activities Coordinator. The obvious motivation is to provide assistance to the current officers in selected areas of responsibility. A related goal is to provide increased opportunities for the membership at large to participate in EX-Ls activities. The revised Bylaws will be presented for vote at the General Membership meeting held in conjunction with the November luncheon. A notice summarizing the Bylaws amendments with a link to the website will be published in the newsletter prior to the General Membership meeting.

We have also completed deliberations concerning the annual charitable gift. Members will recall that it is the practice of the EX-Ls to make an annual contribution from our general fund to a worthy charity. Recent recipients have included relief efforts following the Fukushima tsunami and the Haitian earthquake. This year we are making an attempt to identify charitable organizations closer to home whose missions more closely reflect our LBNL interests. At the recent Board meeting, it was determined that a \$1000 contribution should be made to Community Resources for Science, a local organization that provides assistance to teachers

and students in science education. Janis Dairiki, who coordinated much of the research on this organization, elaborates on our choice in an accompanying article.

Vicky Jared continues to be forward looking in her organization of EX-Ls activities. As mentioned earlier, this is the 30th anniversary of the EX-Ls. Plans for a special commemorative event are proceeding but the details are as yet unclear. We hope to know more in time for Vicky to discuss proposals at the upcoming luncheon. The theme will likely focus on the idea of "do you remember when?" with interesting reminiscences of past life at the Lab as submitted by EX-Ls members. As always, Vicky is open to suggestions from the members regarding appropriate activities particularly if the suggestions are accompanied by a willingness to assist in their implementation.

The Laboratory has again invited the EX-Ls to participate in the upcoming Open House. At last year's event we featured the resurrected model of the Bevatron accompanied by nostalgic comments from EX-Ls who volunteered to assist in the booth. It was a great success and enjoyable for those who participated. Many old friends and acquaintances stopped by to visit. Since EX-Ls members are better than anyone else at recalling the good old days at LBNL, I would hope that there may be other suggestions from members regarding possible displays which reflect past Laboratory achievements. There is a more detailed discussion of the Open House elsewhere in the Newsletter.

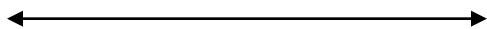
Our challenges in maintaining a critical mass in our leadership cadre continue. Our current 2nd vice president, Bob Schmieder, recently submitted a letter of resignation to the Board. Bob cited several factors that required him to step down albeit reluctantly. In summary, Bob is a very busy retiree involved in a variety of activities that require large time commitments and extensive travel. As a consequence, he expressed concerns that he would not be able to perform effectively as an EX-Ls officer. We understand his dilemma and reluctantly accept his departure from office. He assures us that he will remain active in the EX-Ls and we look forward to seeing him at future activities.

With Bob's departure, the EX-Ls are now looking for volunteers to fill four elected offices for next year: 1st Vice President, 2nd Vice President, Treasurer, and Membership Coordinator. Normally the task of officer recruitment is carried out by the current 2nd Vice President who is assigned the modest task of identifying a successor for the coming year. Bob Schmieder will not be available for this task. In view of the scope of this year's more daunting recruiting tasks, we have formed a membership committee chaired by Trudy Forte with

Rollie Otto and myself as members. We will be asked to identify and recruit potential officers for the coming years. There is a brief notice from Trudy elsewhere in the Newsletter.

I would strongly urge members to give serious thought to making themselves available to assist us in the management of the EX-Ls. It requires a modest commitment in time with only four Board meetings per year with optional committee assignments that can become very interesting and rewarding. The Board is populated by many former officers who share their experience and assist in multiple ways. With the likely approval of the revised By-laws, there will be additional support from volunteers within the proposed committees which will further distribute the work load. Obviously no experience or special talents are required or I wouldn't be President. We on the committee look forward to hearing from you. It is likely those membership committee members and some of your friends on the Board will be active in contacting specific individuals to encourage them to participate.

In closing, I note with interest that the speaker for the upcoming luncheon is Eddy Rubin who will discuss recent results on analysis of Neanderthal DNA. Eddy is the Director for Genome Sciences at the Lab and an engaging speaker whom many of us know. I strongly urge members to attend what I am sure will be an interesting presentation of general interest to all of us.



FINAL REPORT ON RETIREE SURVEY NEARING COMPLETION

Final results of the EX-Ls 2011 survey of all Lab retirees or surviving spouses/partners will soon be available. The results summarize what we learned about LBNL retiree activities, achievements, interests and concerns. The survey report is nearing completion and will be posted on the EX-Ls website (www.lbl.gov/EX-Ls/) by the end of the summer. As reported in an earlier Newsletter, we received a total of 425 responses (~19% response rate). 180 respondents (42%) identified themselves as EX-Ls members. This represents about 2/3 of the total EX-Ls membership at that time. Survey information will help provide a broad and comprehensive picture of Lab retirees and will also help the EX-Ls and UCB Retirement Center ensure that programs meet the needs and interests of retirees. Survey results will also be shared (in aggregate) with LBNL management so they are aware of retirees' continuing contributions to the Lab, University and their local communities.

Spring 2012 CUCRA (Council of UC Retirees Associations) Report

The system-wide organizations of UC retirees (CUCRA) and emeriti (CUCEA) met on April 26-27 at UC Irvine.

An important topic was a discussion of UC President Yudof's recent acknowledgement that retiree organizations are an integral part of the UC family and eligible to participate in UC-sponsored liability insurance programs.

Debora Obley, Associate Vice President, Budget and Capital Resources, gave an update on the UC Budget (by phone). UC is in the midst of a serious fiscal crisis with budget cuts in 2012 the worst in the past 30+ years. She pointed out that Governor Brown's proposed ballot initiative would benefit the University indirectly, even though it is not specifically targeted for any of the revenue. For information on how to help advocate for UC in Sacramento, visit <http://www.ucforcalifornia.org/>.

UCOP representatives announced the formation of a Health Care Task Force with a goal of reducing spending on health care costs. The Task Force is also looking at a broader potential role for the medical schools in the overall health picture. Its work is just getting underway so there wasn't very much information yet.

A new centralized system is being implemented to merge all payroll and HR functions into a shared service center, replacing the 10 different (and old) payroll systems now in use. (After the meeting it was announced that the new service center for this UCPath Project will open in July 2013 at UC Riverside and will focus on payroll only at first.) Retirees will not be impacted by the new service center; they will continue to be served by the Retirement Administration Services Center at UCOP.

CUCRA's Bylaws were reviewed. A key addition is the formal recognition of the Joint Benefits Committee (JBC), a long-standing group appointed by CUCRA and CUCEA to consider and make recommendations regarding pension and health issues and benefits for UC retirees.

We also heard reports from the Retirement Center Directors and most of the campus Retiree Associations. There are also many new travel opportunities for 2013. You can find all of these on the CUCRA website – <http://cucra.ucsd.edu/>

The next meetings will be held October 31/November 1 at the UC Santa Cruz campus.

Janis Dairiki, EX-Ls CUCRA Representative

SUMMARY OF TALK AT THE MAY 17, 2012 LUNCHEON

SPEAKER: William Jagust, M.D., LBNL Faculty Senior Scientist
UCB Professor, School of Public Health and Neuroscience

TITLE: Amyloid, Aging and Alzheimer's Disease

The topic addressed by Bill Jagust was extremely timely. Two days before the May luncheon, President Obama's administration announced its landmark strategy to fight Alzheimer's by providing funds to develop a treatment or preventive therapy for the disease by 2025. Currently there are approximately 5.4 million people in the US who have this disease and it is estimated that by 2025 there will be ~7.7 million! Break-through in prevention or remission of the disease is sorely needed.

Alzheimer's disease is progressive and begins with a loss of memory in the form of new memories but progresses to complete loss of cognitive and daily function. Most Alzheimer's disease is a form called "late onset Alzheimer's". It is first manifested in individuals in their 60s where approximately 5% in this age group is affected. Its prevalence increases with advancing age so that Alzheimer's prevalence is around 40-45% by age 85. Alzheimers is associated with a distinctive brain pathology consisting of aggregates of a protein known a beta amyloid ($A\beta$) which form plaques in the brain interfering with the function of neurons which then begin to degenerate and along with it our cognitive function. The cause of late onset of Alzheimer's disease is poorly understood. The protein called apolipoprotein E (apoE) is a known risk factor. This protein in the blood is known to transport cholesterol to cells that need cholesterol for repair and in the brain it also transports cholesterol which is utilized by cells for growth and repair. However, apoE comes in several forms (apoE2, 3 and 4) where it is apoE4 which is associated with increased risk for Alzheimer's but its causal contribution is still debatable. Indeed, not everyone with apoE4 will get Alzheimer's!

Alzheimer's risk is also increased by brain injury. It is also more prevalent in older women than men. When asked about this observation Bill Jagust noted that the

loss of estrogen in postmenopausal women is not the cause and that cause of increased disease in women is unknown (another mystery).

The $A\beta$ hypothesis of Alzheimer's disease is that there is a normal protein in cell membranes in neural cells that is called Amyloid Precursor Protein (APP). This protein is processed by enzymes called secretases leading to the production of small fragments of APP otherwise known as $A\beta$. These fragments in normal brains do not accumulate in the tissue but in people with apoE4 the $A\beta$ fragments form aggregates which ultimately go on to form plaques that prevent normal neuronal function. ApoE4 is associated with increased deposition of $A\beta$ and/or decreased removal of the protein. The exact role is not clear but the end result of plaque formation in the brain is very clear.

Bill Jagust's interest is in tracking neurodegenerative changes in Alzheimer's disease using *in vivo* imaging tools such as functional MRI (Magnetic Resonance Imaging) or PET (Positron Emission Tomography) scans to follow the course of the disease in order to better understand what contributes to the appearance of the disease. He hopes to detect the disease before there is any clinical manifestation of the disease, that is to say, before there is even mild cognitive impairment. Preclinical changes in brain structure/function have been detected in a few subjects who are homozygous for apoE4 but the challenge is to detect such early changes in other subjects. The hope is that preclinical detection of $A\beta$ deposition prior to appearance of symptoms will ultimately be treatable and prevent or slow the course of the disease. At this time there is no treatment for Alzheimers disease but the search continues with an urgency.

Volunteer Opportunity

Community Resources for Science

At its July meeting, the EX-Ls Board voted to give this year's annual donation of \$1000 to Community Resources for Science (CRS). We wanted to donate to a local organization involved with education, where we might develop a longer-term relationship. CRS is a non-profit founded 15 years ago to help teachers with challenges they were facing in teaching science. Its main goals are to promote hands-on, interactive inquiry-driven science and environmental learning opportunities and to provide resources for teachers.

CRS works primarily with all the K-5 schools in Berkeley, Oakland and Emeryville plus a few others in nearby communities. Last year they had 325 scientist volunteers and, as more teachers work with them, can always use more volunteers. They have a very flexible volunteer program; you can present your own program to a school class or you can adopt one of their prepared programs to present. They also have some one-time needs, such as judges for science fairs or presentations for a school's Science Night or Career Night. Most volunteers work in teams; some visit a school regularly, e.g., once/month, and others visit only 1-2 times/year. For more information and inspiration, please check the web site: www.crscience.org.

They provide orientation for new volunteers, beginning in August, so this is a good time to sign up. Please contact CRS directly if you are interested in volunteering (hopefully identifying yourself as an EX-Ls member) at community@crscience.org or 510-527-521. It would be great if you would also let the EX-Ls know of your interest; if there are enough of us, we could consider a team approach.

NOMINATIONS COMMITTEE

This committee was established to provide for the nominations of EX-Ls officers.

The Members of the committee are:

Trudy Forte, Chair

Joe Jaklevic

Rollie Otto

We are seeking to fill three elected offices and are soliciting interested parties and/or suggestions. The offices that we are trying to fill include:

- Treasurer/membership, presently held by Suzanne Shroh who will rotate off the committee after many years of involvement.
- Second Vice President (2nd VP); remaining 5 months of position held by Bob Schmieder. Bob, unfortunately, could not continue because of other conflicting commitments thus this position is open immediately.
- 2nd Vice President position starting January 2013. The major role of 2nd VP is to chair the Nominations Committee while the 1st VP is chair of the luncheon speakers committee. All officers serve on the Board of Directors. Current Board members are listed in the Newsletter.

If you are interested in serving in any of these positions or have a suggested candidate, please contact me ASAP by phone or email.

Phone: 510-526-0405

Email: tforte@chori.org



Wellness and "Meet-the-Clubs" 2012 Fair

The Laboratory's Health Care Facilitator (HCF) Program hosted a successful Eighth Annual Summer Wellness and Meet-the-Clubs Fair at the Laboratory on June 7, 2012. The purpose of the Wellness Fair is to have access to health care representatives and other organizations on-site so employees can pick up information or discuss health plans. Also, various LBNL clubs, who promote exercise and dance activities, are represented to encourage employees and retirees to join their group. EX-Ls participated as an organization that provides a means of maintaining ties both to the Lab and with other retirees, and allows access to a variety of activities.

Janis and Ned Dairiki and Vicky Jared represented EX-Ls. UCBRC Director Patrick Cullinane had a table next to ours and he spoke with employees regarding pre-retirement planning. A good number of employees signed up for the UCBRC service. Janis, Ned and Vicky made sure these folks had our brochure to fill out once they retired. EX-Ls treats and UCBRC prizes were a big success with all who visited our tables.

Photos of the event can be seen on our Picasa photo web site: <http://picasaweb.com/EXLpics>.

Vicky Jared, EX-Ls Activities Coordinator, 07-12-12

LBNL Open House – We need Volunteers !

Based on the success over the last two years and the terrific feedback the Lab received from visitors, the Lab will host an Open House this year on **Saturday, Oct. 13**, from 10 a.m. to 3 p.m. The event location will be in the Bevatron parking lot, which provides more room, a flatter surface, and easier access for visitors.

The Open House showcases the Lab's research and how it benefits society, seeks to inspire future generations of scientists, and helps build good relations with our local community, which are all key to the Lab's overall mission.

This year's theme is "Adventures in Science with the Berkeley Lab Explorers", (Bringing Science Solutions to the World). The Open House goals are to develop exhibits that are interactive, inviting and relay information in lay terms to children and general public. Emphasis on the kinds of exploration scientists conduct that can be translated visually or physically.

Visit www.lbl.gov/openouse/program.html to view descriptions of last year's exhibits. Open House is not possible without the help of volunteers, so EX-Ls Board of Directors agreed we should participate again this year. We would like to have members of EX-Ls come forth with a theme or name for our exhibit(s) based on the proposed theme. We hope to show the Bevatron model again this year, but need other exhibits.

Volunteers/Registration - We have to staff our booth from 10 a.m. to 3 p.m. with perhaps 2 hr minimum shifts. The Lab's volunteer web site is being developed for those who want to help with the general Open House operation. Up to six non-volunteer family and friends can enter using each registration.

We have a deadline of **August 17** to present our theme and what exhibits we will have.

Those interested in assisting with either the EX-Ls booth or assisting with general event duties should bring your interest to the attention of one of the Board members or contact Joe Jaklevic directly– email: jmjaklevic@lbl.gov

EX-LS 5/17/12 LUNCH ATTENDEES

Richard Baker	Janos Kirz
Winifred Baker	Joseph Klems
Paul Banchero	Richard Koch
Edward & Mildred Bennett	Natalia & Andre Kusubov
Eugene & Myrna Binnall	Almon (Bud) Larsh
Jerry Bucher	John & Barbara Lax
Geores Buttner	Ellen Matthews
Patrick Cullinane	Nancy & Vic Montoya
Eleanor Dahl	Mack & Ann Morgan
Janis & Ned Dairiki	Marty Morimoto
Diane D'Aoust	Jerry Moore
Ted & Margaret deCastro	Regina Moreno
Larry Domansky	Robert (Bob) Mortiboy
Andy DuBois	Rolf Muller
Tom & Ione Elioff	Gladys Perez-Mendez
Warren & Averil Faust	Fred Perry
Ben & Mary Feinberg	Lionel Schour
Pauline Fleischer	Clay Sealy
Trudy Forte	George & Irene Shalimoff
Harvey Gould	Brenda Shank
Donald Grether	Robbie & Mary Smits
Connie & Edward Grondona	Karen & Bob Springsteen
James Haley	Suzanne Stroh
Ingeborg Henle	Ike Turiel
Egon & Annette Hoyer	William Turner
Vicky Jared	Irma Vogel
Joe Jaklevic	Ron & Susan Yourd
Kathy Jarrett	Allan Zalkin
John & Ann Kadyk	

Raffle Winners:
Richard Baker, Warren Faust and Polly Fleischer



RETIREMENT CENTER UPDATE

Lab-Center Contract Renewal

We are pleased to report that the Lab's contract with the Retirement Center has been extended for another three years. Center services and programs for Lab retirees and active Lab staff have been secured until June 30, 2015. Special thanks to the officers and board of the EX-Ls for their support with the contract renewal. Lab retirees can receive their new, free Lab retiree ID card, good for the next three years, by visiting the Center office or by contacting the Center and asking the card be mailed to them. You can use the card to take advantage of the numerous discounts with Cal programs and services -- <http://thecenter.berkeley.edu/connect.shtml#id>.

"Passion and Purpose: Transforming Retirement" Conference

Videos/Handouts Available

Videos of Robert Reich's keynote address on May 24, 2012 and Arthur Shimamura's presentation on memory and aging as well as power points and handouts from the six workshops are available for free on the Center's website. Go to <http://thecenter.berkeley.edu> and click on the link.

Last Summer Series for Caregivers – Center Caregiver Support Group

The last session in the free summer series will be held on Aug. 1. The topic is Caregiver Grief. Call 510-643-7754 to register and identify yourself as a retiree. The Center continues to offer a retiree caregiver support group. If you want to be notified of meetings, contact the Center at 510-642-5461 or ucbcc@berkeley.edu.

Fidelity's Quarterly Market Update

Date: Thursday- August 2, 2012, Time: 2:00 PM
Location: 2199 Addison St., University Hall,
Room 150, Berkeley, CA 94720

Stay informed on current market conditions and what it means to you as an investor at Fidelity's Quarterly Market Update. The Quarterly Market Update will give you a comprehensive perspective on the market conditions and an in-depth review of where and why the market has moved in a particular direction. This includes what has been driving the global economy, domestic and international equity markets, and domestic and international bond market.

Seating is limited. Call 800-642-7131 or visit

**<http://getguidance.fidelity.com/universityofcalifornia>
to register.**

15th Anniversary

On October 11 of this year, the Center will celebrate its 15th year of service to retirees with a celebratory reception and benefit dinner at the Lawrence Hall of Science. The event will feature an address by Stanley Pruisner, MD, Professor of Neurology at UCSF and Nobel Laureate on the latest advances in aging brain research and the implications for daily living. President Yudof and Chancellor Birgeneau have added their names to the Honorary Committee for the event. Watch your fall Center newsletter for an invitation to this special anniversary event.

Learning in Retirement: Ansel Adams and Clark Kerr

In 1963 President Clark Kerr commissioned Ansel Adams to imagine the future of the UC system by photographing 1,000 images. Adams became so captivated by the project that he produced 6,700 negatives and 605 signed prints. The culmination of the commission was a book entitled *Fiat Lux* published in 1967. Now, in fall 2012, fifty years into the future that Clark Kerr envisaged, The Bancroft Library is opening the *Fiat Lux Redux* exhibition, displaying the *Fiat Lux* images as a collection for the first time on the Berkeley campus.

Not long before the opening of the exhibition Sheldon Rothblatt's book entitled *Clark Kerr's World of Higher Education Reaches the 21st Century: Chapters in a Special History* will be published. These two events evoking both the past and the future of the University invite discussion from all quarters of the University.

Lecture 1, Tuesday, September 4, 2pm

Catherine Cole, Professor of Theater, Dance and Performance Studies, UC Berkeley, "Photographs from Futures Past: Ansel Adams' Vision of the University of California's Future"

Lecture 2, Tuesday, September 11, 2pm

Sheldon Rothblatt, Professor Emeritus of History and former Director of The Center for Studies in Higher Education, UC Berkeley, "Clark Kerr and His World in the 21st Century"

There are no enrollment fees for Learning in Retirement (LIR) courses, but advance registration is required. Call the Center at 510-642-5461 or email ucbrc@berkeley.edu to register; course location will be provided with your confirmation.

Older Adult Retirement Housing:

The University has entered into an agreement with Belmont Village (<http://www.belmontvillage.com/>) to construct an independent, assisted and memory care rental facility on University property in Albany, CA. Preliminary discussions are underway about an affiliation agreement to establish a mutually beneficial partnership that positions the parties as leaders in the field of University affiliated age-related housing and promotes new models for older adult living options.

You are always welcome in our offices. We are conveniently located at 1925 Walnut in Berkeley.

Be well!

Patrick Cullinane, Director UCB Retirement Center

AUGUST 16, 2012 LUNCHEON

SPEAKER: Eddy Rubin, MD, PhD

TITLE OF TALK: Our first cousins the Neanderthals: what we have learned about them and what we hope to learn in the future from their DNA

Brief summary: Neanderthals are modern man's first cousins having populated Europe and Asia 25,000 to 250,000 years ago. While studies of their fossil remains and associated artifacts have been used previously to draw insights into their biology and behavior, recent advances in DNA sequencing have opened a new window into studies of Neanderthals. Eddy Rubin will present an overview of what we have learned about them through the analysis of their DNA and what we hope to learn about them in the future.

About the speaker: Eddy Rubin received his M.D. and Ph.D. degrees from the University of Rochester, Rochester, NY. He joined LBNL in 1988 as a Divisional Fellow of the Life Sciences Division and is currently the Director of the DOE Joint Genome Institute as well as Director of Genome Sciences Division of LBNL. His research approach focuses on functional exploration of the human genome and more recently he is studying the microbial communities inhabiting environments ranging from gutless ocean-dwelling worms to cow rumen

REMEMBER TO

SIGN UP FOR THE

AUGUST LUNCHEON

BY AUGUST 13

(SEE FLYER ON PAGE 10)

EX-Ls Luncheon

Date: Thursday, August 16, 2012

Where: SPENGER'S FISH GROTTO, 1919 Fourth Street, Berkeley ← ← ← ←

Time: Doors Open at 11:30 AM - Lunch Served about 12:00 Noon

Bar Service: Opens at 11:30 AM

Speaker: Eddie Rubin, Director, Joint Genome Institute, Sr. Staff Sci. in Geneticist & Medical Research

Title of talk: Our first cousins the Neanderthals: what we have learned about them and what we hope to learn in the future from their DNA

Brief summary: Neanderthals are modern man's first cousins having populated Europe and Asia 25,000 to 250,000 years ago. While studies of their fossil remains and associated artifacts have been used previously to draw insights into their biology and behavior, recent advances in DNA sequencing have opened a new window into studies of Neanderthals. Eddy Rubin will present an overview of what we have learned about them through the analysis of their DNA and what we hope to learn about them in the future.

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Spenger's Menu: Choice of one of the following entrées:

1. Bay Shrimp Louis Salad with 1000 Island Dressing - Clam Chowder Soup
2. Grilled Chicken Breast Marsala with Polenta - Lunch Salad
3. Seasonal Vegetable Platter – Marinated and Grilled with Herb Sauce and Polenta – Lunch Salad

Cost: \$25 per person (prepaid)

Reservations: Computer access to the LBNL/EX-Ls Web page (www.lbl.gov/EX-Ls) will also give you the lunch form. Vicky Jared must receive your reservation by Monday, August 13. The form should be mailed to Vicky Jared, 4849 John Muir Road, Martinez, CA 94553. Please call or email Vicky (925) 228-2145 - jaredrv01@aol.com if you want to sign up or have questions.

See you at SPENGER'S FISH GROTTO for the August 16 luncheon. Be sure to make reservations by Monday, August 13, 2012. Mail To: Vicky Jared, 4849 John Muir Road, Martinez, CA 94553

From _____

I Plan to attend the EX-Ls Luncheon Yes _____ No _____ \$25 per person PREPAID

I will bring _____ guest(s)

Name(s) of Guest(s): _____

Menu Selection: Chicken Marsala [] Shrimp Louis [] Seasonal Vegetable Platter []

Please make check payable to EX-Ls Total Enclosed: \$_____

Willing to carpool: As Rider? _____ As Driver? _____

Need to sit closer to the Screen? _____ Other: _____