



THE LIFE SCIENCES RESEARCH FOUNDATION

Administrative Office: 3520 San Martin Drive • Baltimore, MD 21218 • ph: 410-467-2597 • fax: 410-467-1147

Scientific Office: Lewis Thomas Laboratories • Princeton University • Princeton, NJ 08544 • ph: 609-258-3551

August 10, 2009

TO: LSRF Fellows

FROM: Don Brown *Don* **and Doug Koshland** *Doug*

RE: 2009 Annual Meeting

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The Twenty-Seventh Life Sciences Research Foundation Annual Meeting will be held in Baltimore, MD at the Pier V Hotel. It begins with dinner Friday, October 30, and ends at noon Sunday, November 1. **All** fellows are expected to attend.

We will need a one page abstract from you **no later than Friday, October 16th** so we may prepare meeting booklets for all sponsors and participants. The preliminary agenda is enclosed. Third year (2007) fellows will present 10 minute talks; first and second year fellows will present posters on their research. Assignment of these sessions are made shortly before the meeting, we'll keep you notified.

Posters: Keep it brief and simple, using explanatory diagrams for data that is too complex for instant absorption. All writing must be in large letters for myopics like Doug and me to read from three feet or further. I recommend nothing smaller than 1/2 inch capital letters, most figures suitable for a manuscript are not suitable for a poster. We will supply poster boards that are 29 1/2" x 39 1/2" and push pins. There is one poster board per person, you may orient the board horizontally or vertically, as you choose.

Title: Title of study, your name, your LSRF sponsor's name, and name of institution. All in large letters.

Summary: In a few sentences with capital letters of at least 1/2 inch, sum up what you want us to remember.

Results: Give a logical progression of your experimental reasoning documented with very simple data pictures or line diagrams that describe your experiments. Once again, use large letters.

Conclusions: A few sentences to tell us what the significance of completed or planned work is to you. In addition, if there is wider meaning, some conjecture could be stimulating. Provoke us a little. Above all, remember that we are a diverse group. When you plan your poster, consider that person in the discipline most distant from your own.

All this pedantry is to improve interchange at the meeting.

-over-

Meeting logistics: Pay your own travel expenses from your institutional allowance. Pay for your room costs upon departing the hotel. LSRF will absorb the cost of the meals.

Early retirement: Anyone who will terminate a fellowship early should realize how important it is to us (to the next class of fellows) for you inform us as soon as possible. It gives us a chance to recycle the fellowship. It's also important for our financial logistics and for informing the sponsors. All unused money must be returned to LSRF; it reverts to sponsors.

The escrow fund: (Does not apply to DOE fellows.) You may decide any time before your last stipend check of the year is mailed to have us withhold this money. However, don't ask us to do it retroactively once the year is over. Remember that the withheld money will only revert to you if you move to a nonprofit institution in the United States. Should we ever have a foreign sponsor, this latter ruling might change.

Pay Attention to Your Sponsor: LSRF's success depends upon the satisfaction of its sponsors. This depends in part upon you. Simple things like personal communication with sponsors make a difference. A thank you letter or two to your sponsor during and at the end of your fellowship is welcome.

We look forward to seeing you all in October.

-PRELIMINARY PROGRAM-

**LIFE SCIENCES RESEARCH FOUNDATION
ANNUAL MEETING
October 30 – November 1, 2009**

**Pier V Hotel
711 Eastern Avenue
Baltimore, MD 21202
410-539-2000**

Friday October 30:

5:30 – 7:00 Cocktails and Registration
7:00 – 8:15 Dinner
8:30 – 10:00 Roundtable with sponsor representatives (tentative)

Saturday October 31:

7:45 – 8:30 Breakfast
8:45 – 10:00 10 minute talks by 3rd year fellows (5)
10:00 – 10:30 Break
10:30 – 11:45 10 minute talks by 3rd year fellows (5)
12:00 – 4:00 Free time & lunch (not provided)

4:30 – 5:30 Guest Lecture:
Dr. Yixian Zheng, HHMI - Carnegie Institution
"The membranous lamin B spindle matrix in cell division and
differentiation"

5:45 – 7:45 Cocktails and Dinner
8:00 - 9:30 Poster session (1st and 2nd year fellows)

Sunday October 5:

7:45 - 8:30 Breakfast
8:30 – 10:00 Poster Session (1st and 2nd year fellows)
10:00 – 10:30 break

10:30 - 11:30 Guest Lecture:
Dr. Bert Vogelstein, HHMI - Johns Hopkins Medical Institute
"Cancer genomes and their implications for understanding and
managing cancer"

11:45 Wrap up, departure

LOGISTICS

Pier V Hotel
711 Eastern Avenue
Baltimore, MD 21202
410-539-2000

Hotel:

The Pier V Hotel in Baltimore's Inner Harbor is the site for our meeting this year. We have a rate of \$199/night for a single or double room (plus room tax) and that rate is guaranteed only until September 28th, 2009. Book your room directly with the hotel by calling 866-583-4162 and tell the reservation desk that you are part of the group "**Life Sciences Research Foundation**" or by reserving online at: <https://gc.synxis.com/rez.aspx?Hotel=339&Chain=338&group=479623>. You are required to pay for your room charges. **Check in time is 4:00 PM; check out time is 12:00 noon.** Facilities are available for registered guests to store their luggage until check-in at 4:00pm or after the 12:00 noon departure time. **Please give no less than 60 days notice if you cannot attend. Cancellations cost us money.**

Travel:

Air: Baltimore-Washington International Airport (BWI) is our closest airport, about 30 minutes away from the meeting site.

Train: Amtrak service to Baltimore is available to Baltimore Penn Station, about 15 minutes from the meeting site. Taxi charges from Baltimore's Penn Station to the Hotel are about \$15.00.

Car: Automobile rental is available at BWI airport and driving directions to the Pier V Hotel are attached here. Valet parking is available at a cost of \$33.00/day.

Taxi/Shuttle: There are two "Super Shuttle" locations within BWI. One is located at luggage pick up: Bag Belt #1 (pier A/B) at Southwest Airlines. The second is near Bag Belt 10 (pier C). The cost is approximately \$20.00. Taxi charges from BWI to the Inn are approximately \$55.00.

Questions:

Contact Christine Pratt in the Administrative Office:
Life Sciences Research Foundation
3520 San Martin Drive
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E-MAIL: lsrf@ciwemb.edu

DEADLINE FOR ABSTRACTS IS OCTOBER 16th, 2009

- One inch margins required
- Word documents only! No pdf files please. Images are OK, we print only in black & white.
- No faxes!! Email your abstract to: lsrf@ciwemb.edu
- One single-side page, 1.5 or greater line spacing if possible, 12 point font required

Sample Abstract

A NEW TYPE OF MICROSTRUCTURAL INSTABILITY IN SUPERALLOYS

William Murphy

Department of Special Metals, University of Science & Technology
Pratt & Whitney Fellow of the Life Sciences Research Foundation

A new type of microstructural instability has been found in superalloys containing a high rhenium content. This instability has been termed secondary reaction zone (SRZ) because it typically occurs beneath the diffusion zone of coatings that are typically applied to superalloys. This same type of instability also can occur in the microstructure of the alloy and is called cellular colonies in order to differentiate it from the SRZ beneath coatings. The SRZ and cellular colonies form a three-phase constituent with a g' matrix containing g and P phase (TCP) needles. The interface between these constituents and the normal g/g' microstructure is very weak, and cracking along this interface can severely reduce properties.

SRZ is similar to previously observed constituents in other alloy systems. These constituents form by cellular or discontinuous precipitation. Cellular precipitation results from a supersaturated parent phase (a') decomposing into a new phase, b, and a structurally identical phase, a. The classic cellular precipitation has been studied extensively in simple alloy systems with nucleation occurring at grain boundaries.

2007 Fellows

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terminated fellowship early

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terminated fellowship to take faculty position
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Dr. Zachary Knight
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Dr. Lucy O'Brien (2006 fellow)
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so is giving 3rd year talk with 2007 fellows)

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Meeting checklist:

- Emailed your required abstract to LSRF?**
 - Deadline: **October 16, 2009**
 - One inch margins, one single-side page, 1.5 or greater line spacing, 12 point font
 - Text documents only! No pdf files, email your abstract to: lsrf@ciwemb.edu

- Made your hotel reservations? (deadline MONDAY SEPT. 28th, 2009)**
 - Rate of \$199/night for a single or double room (plus room tax)
 - Book by calling 1-866-583-4162 and indicate that you are with the "Life Sciences Research Foundation Group" Our Group reservation number is: 479623. The following link will allow you to book your room online: <https://gc.synxis.com/rez.aspx?Hotel=339&Chain=338&group=479623>
 - Share a room and split the cost – get in touch with another LSRF fellow using the list included.

- Booked your travel?**
 - Air:** Baltimore-Washington International Airport (BWI) is the closest airport, about 20 minutes by car (11 miles) from the meeting site.
 - Train:** Amtrak service to Baltimore is available to the Baltimore Penn Station, about 5 minutes by car (2.25 miles) from the meeting site. Taxi charges from Baltimore Penn Station to the Hotel are about \$15.00.
 - Car:** Automobile rental is available at the airport. Valet parking - \$33/day.
 - Taxi/Shuttle:** Taxi charges from the airport to the Hotel are approximately \$55.00. The SuperShuttle from the airport costs \$20.00 for the shared ride service.

- Want to ride the pre-paid airport shuttle on Sunday?**
 - Let me know the departure time and airline for your Sunday flight.

What was that?:

Poster dimensions:

- 29.5" x 39.5"** – your choice of horizontal or vertical orientation. It's a sheet of foam-core propped on an easel, we'll provide pushpins.

Third-year fellow talks:

- You have 10 minutes for your presentation and an additional 2-3 minutes for questions/discussion. We'll have an LCD projector and a Mac laptop loaded with the latest versions of Acrobat, Powerpoint, Keynote, Quicktime, etc. Bring your presentation on a USB flashdrive or CD, Doug Koshland will load them onto the computer before the talk sessions begin.

- **When will I present my work?:**
 - I'll email everyone a couple weeks before the meeting with your session date & time.