

A Farewell Note From Karl Saxe

By Karl Saxe



It's hard to know where to begin when leaving generates so many mixed emotions, but I'll try. This department has been my home for 17 years. And as my wife will attest, I have viewed it as a home, not a home-away-from-home, the entire time. That is in large part due to the family of colleagues that greets me every day. It has been a rare day when I wasn't excited to come in and see what was next. It didn't matter whether it was Trudy (or Linda) running me down because I didn't do some paperwork or John Scott conspiring with me every morning to critique the world and save it. It didn't matter if it was the easy way labs interacted ("Cheryl, can you go liberate some EcoRI from the Powers lab?") or the gentle but serious way questions were asked at B & G. Inevitably it felt like I was surrounded by people who cared about me and my science and about whom I cared. This is an atmosphere that Jerry Sutin cultivated and which Barry has maintained, nurtured and refined. It makes this place absolutely unique and special among the places I have done science (notice I didn't say "work"). I'm going to miss that, a lot. There are an enormous number of things I could point to that would make my point, but you all know what I'm talking about so I won't belabor it. Suffice it to say, that sense of community makes this department special and I'm confident the pieces are in place to sustain it. That makes me feel better.

Though I will miss this place a lot, I am thrilled with the chance to reset my brain and ask it to think about science and its place a little differently. I won't be adding to the knowledge base any more, but instead will be trying to get what we know (and how we know it) in front of a wider audience. It's something we scientist say is important, but never get around to. This seems like the time to put my money where my mouth is. In any event its worth a try.

Don't expect me to be a complete stranger. I know where you live. And I expect to take advantage of that. You know me. Keep after it, enjoy and thrive.

Bye – Karl

Inside This Issue

| | |
|--------------------------------------------------------------------------------------|----|
| Farewell Note From Karl Saxe; A Tribute to Karl Saxe | 1 |
| Dr. Saxe 1990-2007 | 2 |
| Karl's Dinner & ballgame | 3 |
| Farewell Reception; Note From Cheryl Jones | 4 |
| New Baby Arrivals | 5 |
| Grants & Contracts; New Awards & Regulatory & Policy Changes/Application Information | 6 |
| Cancer Walk; Breast Cancer Survivor; College Scholarships | 7 |
| Congratulations and New Hires; Cell Biology Weddings | 8 |
| New Space for Body Donor Program | 9 |
| Defense Reception for Branch Craige | 9 |
| Publications, B & G Schedule & Seminar Schedule | 10 |

A Tribute to Karl Saxe

By Barry Shur

After 17 years as a member of this department, Karl Saxe is moving on to assume a senior leadership position at the American Cancer Society. After receiving his PhD in 1980 with Neil Mendelson at the University of Arizona, Karl became interested in the power of *Dictyostelium discoideum* to unravel the secrets of morphogenesis and differentiation. He gained expertise in *Dictyostelium* by postdoctoral training with Maurice Sussman at Pittsburgh, Richard Firtel at San Diego and then as a five-year staff fellow at NIH with Alan Kimmel. In 1990, Karl was recruited to Emory as Assistant Professor of Anatomy and Cell Biology, and was promoted to Associate Professor with tenure in 1995.

Karl left his imprint on all aspects of this department; being one of the most beloved and honored professors in the School of Medicine, serving in critical administrative roles for graduate training programs, the School of Medicine and University, federal review panels, among many others; and bringing an innovative genetic approach to one of the classic model systems in developmental biology which enabled him to identify novel scaffolding proteins that orchestrate the complex intracellular machinery driving cell migration. In everything that Karl does, he brings intelligence, integrity and dedication. He leaves a department that is indebted to him for his commitment to excellence in science and in education, and for being a tireless colleague and friend. He will be sorely missed, but never forgotten. We wish him the very best in his new endeavors at ACS.

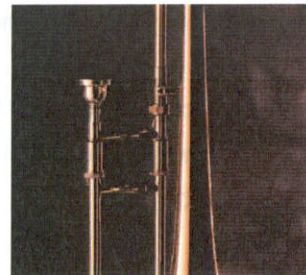
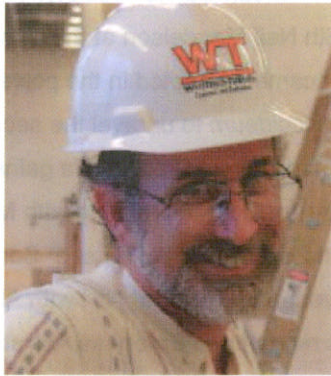
Rouk, Daniel

Dr. Saxe at Emory from 1990-2007

By Win Sale

Karl Saxe – geneticist, embryologist, developmental biologist, cell biologist, Dictyostelologist, custom sandeologist jazz trombonist, marathoner and general outdoor adventurer, pioneering and devoted Macologist, soccer enthusiast, Dodger / Mia Hamm fan, ---- and mentor, teacher, leader, friend....

Department of Cell Biology, Emory University 1990-2007. These words and images convey some of the respect and affection we hold for Dr. Saxe. We will miss you!



Karl's Dinner and Ballgame



Dr. Saxe and Cheryl Jones Farewell Reception



Note from Cheryl Jones By Cheryl Jones



There's really nothing glamorous to say about my stint here at Emory other than they haven't been able to get rid of me for 15 years.

I first came to the department to work with Bob DeHaan establishing a molecular biology component to his electrophysiology projects. Once Bob left active research I was fortunate to join Karl's lab working on Dictyostelium,

initially its developmental pathways and then on the complex pathways that regulate actin affecting cellular movement. I also worked with Beth Finch and Win Sale part-time on a variety of different projects.

I will be joining the Dept. of Infectious Diseases at UGA with Dr. Mark Tompkins. We will be working with influenza, characterizing new isolates from the field and developing novel approaches to vaccines to use in the animal industry. So far, the work, although familiar, is quite different from anything I have done here.

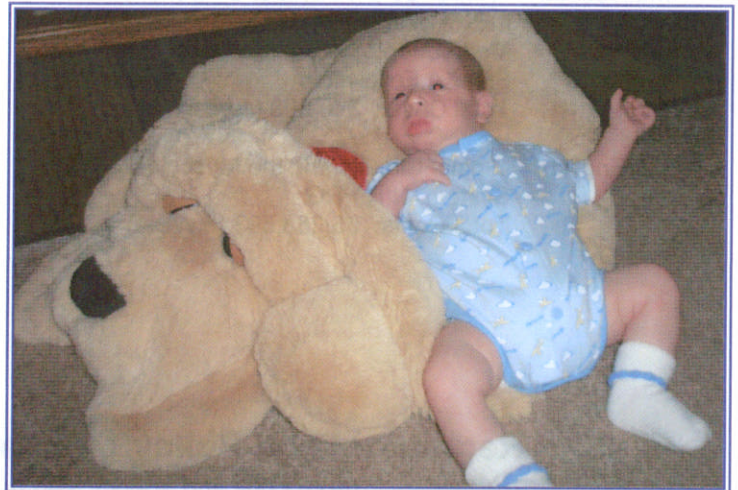
Everyone will be truly missed, however I will not miss the commute. Being "home" in Athens will be wonderful. I know that I will not be able to replace the wonderful work environment or friends here at Emory. It will always be special place with special memories.

Farewell

New Baby Arrivals



Ryan Wirschell
Parents: Roberto and Maureen Wirschell
(Win Lab)



Colin Cash
Born: May 25, 2007
Weight: 6 lbs 6.8 oz
Length: 20 ½ inches long
Parents: Daniel and Jennifer Cash



Eileen Rong
Born: May 25, 2007
Weight: 6 lbs 10 oz
Length: 19 ½ inches
Parents: Yuan Rong & Mei Xu (Bassell Lab)

Grants and Contracts New Awards

- Gary Bassell "Imaging of the Fragile X Protein and Role in mRNA Translation" Conquer Fragile X Production
Total Costs: \$9,000 (1 year)
- Gary Bassell "Spinal Muscular Atrophy: SMS Role in mRNA Localization and Local Translation" NIH
Total Costs: \$1,625,625 (5 years)
- Gary Bassell "Development of Drugs that Enhance Axonal Transport and Local Translation for Treatment of Spinal Muscular Atrophy" EmTech
Total Costs: \$100,000 (1 year)
- Gary Bassell
R. Muddashetty "FMRP as a Modulator of Dendritic mRNA Translation in Response to Metabotropic Glutamate Receptors" FRAXA Fellowship
Total Costs: \$40,000 (1 year)
- Arthur English "Spinal Circuits and the Musculoskeletal System" NIH/PPG
Total Costs: \$5,283,593 (5 years)

Grants and Contracts New Awards (cont.)

- Victor Faundez
K. Newell-Litwa "A Novel Vesicular Mechanism for Lysosomal Delivery of Synaptic Vesicle Proteins" NIH/NRSA
Total Costs: \$73,960; (2 years)
- Kenneth Moberg
N. Mortimer "The Archipelago Ubiquitin Ligase Regulates Tubular Morphogenesis During Drosophila Development"
AHA Fellowship
Total Costs: \$38,000 (2 years)
- Wilfried Rossoll "Spinal Muscular Atrophy: The Role of SMN in Motor Axons" NIH
Total Estimated Costs: \$420,750 (2 years)
- Winfield Sale "Functional Substructure of Flagellar Dynein" NIH/MERIT
Total Costs: \$1,912,500 (5 years)
- John Scott "Physiological Analysis of the Olfactory Projections" NIH
Total Costs: \$1,463,06 (5 years)
- Kanyan Xiao "Role of p120-Catenin in Angiogenesis and Vascular Development" NIH/K01
Total Estimated Costs: \$430,084 (5 years)

Regulatory and Policy Changes/Application Information

(from OSP and agency web pages, university and other sources)

Upcoming NIH Receipt Dates:

| | |
|-----------------------------------|-----------------------------------------|
| R01 (New): | October 5 (SOM – Sep. 14, OSP Sep. 21) |
| R01 (Renewal, Resubmission) | November 5 (SOM – Oct. 15, OSP Oct. 22) |
| R03, R21 (New): | October 16 (SOM – Sep. 25, OSP Oct. 2) |
| R03, R21 (Renewal, Resubmission): | November 16 (SOM – Oct. 26, OSP Nov. 2) |
| K Series (New): | October 12 (SOM – Sep. 28, OSP Oct. 5) |
| K Series (Renewal Resubmission): | November 12 (SOM – Sep. 24, OSP Nov. 5) |
| F Series – All (Individual NRSA): | December 10 (SOM – Nov. 26, OSP Dec. 3) |

NIH has delayed transition to electronic submission for the following mechanisms: K, F, T, D and complex grant programs (P&U). All R series proposals are now submitted electronically.

The following web sites provide important information regarding electronic submission of NIH grants:

Power Point presentation used for Emory's training classes
<http://www.osp.emory.edu/proposals/esubmit/esubinfo.cfm>

NIH's information and formats
<http://grants.nih.gov/grants/funding/424/index.htm>

The monthly edition of Research Administration News provides timely information about various aspects of research at www.or.emory.edu/newsletter.cfm

3 Day Walk for Breast Cancer

By Laura Fox-Goharioon

In 2005 a friend of mine was diagnosed with breast cancer and underwent a double mastectomy. I remember how I felt the day she called me. I remember thinking "I wish there was something I could do". Well that was the day I decided to do the 3 Day Walk for Breast Cancer. Last October I walked 60 miles over 3 days to help to find a cure for Breast Cancer along with about 3,000 other women and men. It was one of the most amazing experiences of my life. I had to do it again.

So this year, in October, I will be once again walking 60 miles. But I do need help. I need to raise money in order to walk and any contribution you feel you can make will help. If you would like to donate just go to the link shown below. If you are not comfortable with making an on-line contribution, I have forms which you can mail in. If you would like to see where the moneys go, I can get that information as well. I thank you in advance for your help in the fight against Breast Cancer!

<http://www.the3day.org/atlanta07/lauragoharioon>

A Breast Cancer Survivor

By Carrie Przybilla

I was a curator of contemporary art at the High Museum from 1988 until 2004, when I decided to return to school at Emory to earn my PhD in art history. During my first semester at Emory, I was diagnosed with breast cancer, which, among many things, got me thinking about the priorities in my life: less stress, more fun, and more time with my husband and daughter, and a job with excellent benefits.

Joining the Department of Cell Biology has given me that and so much more: intelligent and friendly co-workers, the opportunity to indulge my interest in science (I was a chemistry minor as an undergrad.), and the sense of being a (very small) part of research that may save lives.

Carrie, Rogers (spouse) and Anne (daughter)



College Scholarships

by Emma Delva

Hello Everyone,

As you all know, I am a member of Alpha Kappa Alpha Sorority, Inc. and Tau Epsilon Omega, which serves the East Point/College Park, GA area. I am writing you all because my chapter is sponsoring our annual event called "A Hush Affair" - a silent auction and luncheon on Sat. Nov. 3rd, 2007 from 11am to 2pm in the GA International Convention Center.

Education is one of the International Program initiatives of Alpha Kappa Alpha Sorority; therefore all monies donated to this event will award college scholarships to deserving students graduating from high school. Furthermore, Tau Epsilon Omega continues to provide service to the residents of East Point and College Park through the Arts, Black Family, Program initiatives.

To make this event a success, we need your help. I am asking for donations that can be made, in order to help reach our goal. If you would like to attend A Hush Affair, the cost is \$40. However, if you cannot attend and would like to make a donation towards this great cause and help award high school students with college scholarships, please contact me by Sept. 30th.

Please make checks/money orders to: The Twenty Pearls Foundation, Inc. Please contact me via email for the address to mail a check or money order.

Please email me at edelva@emory.edu to inform me that you would like to make a donation/ticket purchase. Of course you can also email me if you have any questions.

Thank you very much in advance for your help and I look forward to hearing from you.



Congratulations!

- ✚ Karen Newell was awarded a Ruth L. Kirschstein Predoctoral NRSA from NINDS (National Institute of Neurological Disorders and Stroke). Karen was accepted and is currently attending the Marine Biological Laboratory's Physiology Course in Woods Hole, MA.
- ✚ Li-Ting Chien is the winner of the "2007 Paul F. Cranefield Award" by Society of General Physiologists and will be receiving the award this September at the Society's annual meeting. The award is to recognize one first author PhD student every year who in the preceding calendar year has published an outstanding article in the Journal of General Physiology. This award recognizes Li-Ting Chien and the Hartzell lab for their studies of a novel chloride channel, bestrophin.
- ✚ Sharon Swanger a Neuroscience graduate student in Gary Bassell's lab, successfully completed part I of the qualifying exam, scoring straight "A"!
- ✚ Kinsley Belle will do masters thesis project with Dr. Wilfried Rossoll in Gary's lab as part of his combined BS/MS program at Emory.
- ✚ Dr. Ravi Muddashetty, a postdoctoral fellow in Gary Bassell's lab, recently received a postdoctoral fellowship from FRAXA to support his research on "Translational dysregulation in a mouse model of Fragile X syndrome". Ravi also received a "Rising Star Award" (\$1500 cash prize) for an outstanding talk at the Conquer Fragile X research conference. Congratulations also to Ravi and co-authors on their recent paper in the Journal of Neuroscience (Muddashetty et al., J. Neurosci 2007).
- ✚ Tiesha Murray (Bassell Lab) was promoted to Senior Research Specialist Lead.

New Hires

- Carrie Eggers is a Lead Research Specialist in the Powers Lab. She joined the department from the Winship Cancer Center.
- Ellie Kwak, a recent Emory Graduate, joined Gary's lab as a Research Specialist who will work with Dr. Wilfried Rossoll.
- Andrew Swanson recently joined Gary Bassell's lab as a Microscopy and Image Analysis Specialist. Andrew is a recent graduate from Georgia State University.
- Carrie Przybilla replaced Jennifer as our Administrative Assistant. Carrie will continue to provide administrative support to everyone in the department but will also help Linda and the faculty with pre-award research functions. This is a new line of work for Carrie who was previously a curator at the High Museum of Art.

Wedding Congratulations



Alysia Vrailas (Sanyal Lab) and Nathan Mortimer (Moberg Lab) wed on June 3rd, 2007.



Congratulations!



(1st row) Paul Winfrey, Susan Brooks, Thom Abelew,
(2nd row) Ted Pettus, Jim Cooper, and Kyle Petersen

New Space for Body Donor Program

The Body Donor Program office and personnel have moved into their new offices and space in the Medical Education Building. For some this was the third move in the last 5 years. The new offices are located in the basement of the Physiology building and now all of the BDP files which go back to 1887 are stored in one room. There are approximately 11,000 names in the data base of individuals who have registered to donate their bodies to Emory.

Defense Reception for Branch Craige

On June 15, 2007 at 10:00 a.m., Branch Craige gave an Oral Presentation of a Dissertation submitted to the faculty of the graduate School of Emory University in partial fulfillment of the requirements for the degree of Doctor of Philosophy. The title was "Phosphatidylinositol-4Kinase Type II Alpha: a Novel Cargo and Regulator of the Adaptor Protein Complex 3 Sorting Machinery". A reception was held at 3:00 p.m. on June 15th in the Cell Biology conference room.

Branch Craige joined Maureen Powers' lab in 2002 and worked for her for one year before joining the BCDB program in 2003. He joined Victor's lab in Spring 2004. Branch and his wife Siobhan will be moving this summer to do postdocs at UMass Medical School in Worcester, Massachusetts. Branch will be joining George Witman's group in the Cell Biology department at UMass Medical School. There Branch will work on the discovery of genes involved in cilia function as well as the characterization of proteins that localize to cilia and cause human disease when mutated.

Congratulation to Branch and his family!

New Space for Body Donor Program (cont.)

The new morgue and dissection room are on the basement floor of the new connector. The morgue is much larger and has a walk in cooler and a walk in freezer. The morgue connects to the dissection room which has 26 tables, an increase of 7 over the old dissection rooms. Cadavers can easily be moved from the cooler to the dissection laboratory without passing through outside hallways and using elevators. Since we now have a freezer cadavers do not have to be transported to other buildings for storage.

Two other rooms are connected to the dissection laboratory. A separate fresh tissue room with a small cooler is also connected to the dissection room, thus making it easier for cadavers to be set up for faculty, residents, and student use. A separate model laboratory room for teaching the Allied Health students is also connected to the dissection laboratory thus making it easy for these students to work with cadavers and models without having to traverse hallways.



Publications

Vrailas, A., Majumdar, N., Middleton, G., Cooke, E., and Marena, D. R. Delta and Egfr expression are regulated by Importin-7/Moleskin in *Drosophila* wing development. Developmental Biology. In press.

Marchant, D., **K. Yu**, K. Bigot, O. Roche, A. Germain, D. Bonneau, V. Drouin-Garraud, D. F. Schorderet, D. Schmidt, P. Le Neindre, C. Marsac, M. Menasche, J.L. Dufier, R. Fischmeister, **H. C. Hartzell** and M. Abitbol. New VMD2 gene mutations identified in patients affected by Best Vitelliform Macular Dystrophy. J Med. Genet. 2007 Mar;44(3):e70. Epub 2007 Feb 7. **Qu, Z., K. Yu, Y. Cui, C. Ying, and Criss Hartzell.** Activation of Bestrophin Cl Channels is Regulated by C-terminal Domains. J. Biol. Chem. Epub 2007 (<http://www.jbc.org/cgi/doi/10.1074/jbc.M701043200>). **K. Yu, Z. Qu, Y. Cui, and H. C. Hartzell.** Chloride Channel Activity of Bestrophin Mutants Associated with Mild or Late-Onset Macular Degeneration. Invest. Ophthalmol Vis Sci. (in press).

Diana Caracino, **Cheryl Jones**, Mark Compton, and **Charles L. Saxe III**. 2007. The N-Terminus of Dictyostelium Scar Interacts with Abi and HSPC300 and Is Essential for Proper Regulation and Function. Mol Biol Cell. 18:1609-1620.

Journal of Neuroscience (Muddashetty et al., J. Neurosci 2007)

Tan X., Li X., Lane T., **Falls D.L.**, and **M.B. Luskin.** (2007) Antigen-retrieval procedure for Bromodeoxyuridine (BrdU) immunolabeling with concurrent labeling of antigens damaged by HCl pretreatment and of nuclear DNA. J. Neurosci. 27: 5837-5844.

Coskun, V, **Falls D.L.**, Lane, R., A.Czirok and **M.B. Luskin.** Subventricular zone neuronal progenitors undergo multiple divisions and retract their processes prior to each cytokinesis. European J. Neurosci. (In press)

B & G Schedule

September 2007 – February 2008

| | |
|--------------------|----------------|
| September 10, 2007 | Victor Faundez |
| October 8, 2007 | Criss Hartzell |
| November 12, 2007 | Harish Joshi |
| December 10, 2007 | Andy Kowalczyk |
| January 14, 2008 | Erick Lin |
| February 11, 2008 | Marla Luskin |

Upcoming Seminar Schedule

| <u>Date</u> | <u>Speaker</u> | <u>Host</u> |
|-------------|-------------------------|-------------|
| Sept 5 | Samie Jaffrey | Gary |
| Sept 19 | Mark Prausnitz | Sanyal |
| Sept 26 | Dennis Choi | Criss |
| Oct. 3 | Robert Darnell | Victor |
| Oct. 10 | Matt Wachowiak | John |
| Oct. 17 | (Neuroscience meeting) | Andy |
| Oct. 24 | Kristen White | Ping |
| Oct. 31 | Vittorio Gallo | Marla |
| Nov. 7 | Crislyn D'Souza-Schorey | David |
| Nov. 21 | Thanksgiving | |
| Dec. 5 | (ASCB meeting) | Erick |
| Dec. 26 | Christmas | |
| Jan. 2 | New Years | |
| Jan. 9 | Justin Kumar | Ken |
| Jan. 16 | Melitta Schachner | Art |
| Jan. 30 | Kelsey Martin | Sanyal |
| Feb. 6 | Recruiting | |
| Feb. 13 | Andrew Forge | Erick |
| Mar. 19 | Tim Yen | Maureen |
| Apr. 2 | Mary Porter | Win |
| April 23 | Michael Shipley | Barry |
| May 21 | Jeff Gelles | David |

Cell Biology

615 Michael Street, Room
401
Atlanta, GA 30322-3030

Phone:

404-727-3640

Fax:

404-727-6256

E-Mail:

cheath@cellbio.emory.edu

**Emory University School of
Medicine**

We're on the Web!

Visit us at:

www.cellbio.emory.edu

Cell Biology
615 Michael Street, Room 401
Atlanta, GA 30322-3030



To: Department of Cell Biology

