Graduating Scientists Who Value Truth and Honesty
United States and Texas flags, mounted in the background, and patriotic music increasing to a crescendo, as Lynda Horton, Mineral Wells, outgoing Auxiliary President, Department of Texas, welcomed Vicki Pollard, Plano, incoming President for 2004-2005 at the recent annual statewide convention held in Beaumont. Under Ms. Horton’s leadership, and with Evelyn Klausmeyer, as chair of the cancer research fund raising committee, the group has reached its long-sought milestone of $1,000,000, cumulatively raised over the last ten years. According to Nancye Whitson, Texas’ Auxiliary Public Relations Chair, “This is the biggest altruistic effort of its kind (though one of 29) that the Auxiliary regularly commits support. Encouragement of education is a high priority for the American Legion Auxiliary. The association with the UT-Houston Graduate School of Biomedical Sciences is an outstanding relationship which reaches the highest quality students and goals set for the project. The American Legion Auxiliary of Texas is extremely proud of these accomplishments.”

To reach its goal, some 327 units of Auxiliary women throughout Texas participated. They organized bake sales, hosted broom dances and flower bazaars, garage sales and $1 jars of everything from “M&M cures,” to “pay the pot for your curses.” Various other creative money-making endeavors contributed to amassing the proceeds for their project—that of giving scholarships to exemplary GSBS students who are doing their research studies in all kinds of cancer: prostate, breast, pancreatic, liver, urinary, gastrointestinal, leukemia, lung cancer and others—to help find the cures for this disease in all of its forms.

This November, many of the Auxiliary will gather in Houston, as the guests of the Graduate School, to meet the 2004-2005 American Legion Auxiliary Fellowship recipients. There’s talk of national officers as well as John Mendelsohn, M.D., president of The University of Texas M. D. Anderson Cancer Center, coming for the occasion, and some of the earliest fellowship recipients too. Presentations will be made, awards given, and yellow roses of Texas accepted, but when all is said and done, it is these women—mothers, daughters, sisters, wives—who have played their remarkable part, as an army, by “just doing our share” in a fight against an enemy that sees no boundaries or borders. We salute you, American Legion Auxiliary!

Truth and Honesty—our cover theme reflects the words of this year’s commencement speaker, Teresa Sullivan, Ph.D., Vice Chancellor, The University of Texas System, as well as GSBS faculty president, Jack Waymire, Ph.D. It also echoes the heritage of the Graduate School. In 1985 a mandatory course in scientific ethics was established at the GSBS, one of the first of its kind in the United States. An integral part of the Texas flag, this star, in history, is the visual symbol of a moral compass.

Cover photos: (Clockwise to the right of the star) Kevin Houston, Rob Rounbehler, Paula Miliani de Marval; Joyce Marshall; Si Wan Kim; Brent Parker, Stephen Kry, Kent Gifford, Michael Price, Peter Balter; Ruth Ann Barkley; Jamie Chance, Carol Linsner, Alice Schindler, Colleen Buechner, Andrea Atherton.
As most of you know the Graduate School is scheduled to move into the new George and Cynthia Mitchell Basic Sciences Research Building (BRSB) this coming fall, and we are eagerly awaiting this exciting event! In anticipation of this move we have been actively planning for the past 24 months – office assignments, classroom designs, phone and computer networks, etc., etc. While this required a great deal of effort, we had a pretty good idea of what to do because we were given a clear blueprint early in the planning process; this enabled us to design our space to fit the building plan and to be certain we had sufficient resources to achieve our goals.

I believe that the School should soon begin a major effort to assess its academic programs and goals, its organization, and its operations. Both of our parent organizations are poised for major changes within the next several years. The most visible signs of such change are the many construction projects currently underway or planned, including the BRSB and other M. D. Anderson facilities, new buildings for the Health Science Center’s Institute of Molecular Medicine (IMM) and on the Freeman Building site, and other facilities for biomedical research, biotech efforts, and imaging programs. More significant than the structures are the faculty who will occupy them and the programs they will conduct. At the same time there are other important changes on the state and national horizon for biomedical research and graduate education, e.g., changing funding patterns, the emergence of new areas of research emphasis, increasing competition to continue recruiting excellent students and to meet their career expectations, and important demographic trends in Texas and the nation.

These are monumental changes that are inevitable and will occur at a rapid pace, and they are certain to have major implications for graduate education at GSBS. It would be prudent to proactively develop a comprehensive plan to adapt to these changes rather than react to them after they happen. Thus, I am planning to call for a major self-study and planning effort within the year after we move into our new quarters. It will be an important opportunity for the Faculty to consider how best to shape the academic future of our graduate education and to incorporate their ideas into the strategic planning efforts of our parent institutions. I believe a close alignment of GSBS goals with the strategic plans of both M. D. Anderson and the Health Science Center is critical if we are to achieve our full potential. This effort will be successful with input and support from our faculty members, students, staff, and leaders of our parent institutions acting cooperatively as the architects of our future. Get your hard hats ready – I’ll be asking for your help shortly after the move!

Dean’s Notes

“After the Move”
On behalf of the graduate Faculty I have the distinct honor of welcoming everyone here to The University of Texas Graduate School of Biomedical Sciences graduation ceremony. It is indeed gratifying for me to talk to the 2004 graduates and thank you on behalf of the entire faculty for the pleasure and privilege of working with you. I congratulate you on the occasion of your earning your MS and PhD degrees. Today’s date will always be a memorable one for you. On this day, you exit the world of student, trainee, and novice — and enter the world of post-doctoral fellow, teacher, mentor, and respected scientist.

It is also important to acknowledge the dedication and support of your family and friends. Without their support, the long hours of studying, preparing for advisory and supervisory committee meetings, and the hours in the lab would not be possible, or at a minimum, would be made much more difficult.

In many ways it seems like only yesterday that you began your graduate studies here at The University of Texas Graduate School. But in many ways it also seems like eons since I first met many of you at your initial recruiting visits. I can remember sitting out on the picnic tables in the park between the Graduate School and School of Public Health talking with you. We have all come a long way over the past several years. We have had many changes and challenges with which to deal. We adjusted to the relocation of the GSBS to Houston Medical Center, we weathered, so to speak, the enormous destruction and disruption caused by tropical storm Allison, and we experienced the horror of the attack on September eleventh, and are dealing with the instability and changes in our society that have occurred in response to the threats of terrorism. We live in a different world than the one that existed when many of you began your studies several years ago.

During this time, you as graduate students, have changed as well. You entered as enthusiastic recruits, went through a period of being overwhelmed and often discouraged, and gradually matured into competent scientific investigators and colleagues. The ultimate goal and satisfaction of the graduate faculty is to see our students evolve to become our scientific colleagues, to emerge with understanding and confidence — confidence to ask pertinent questions and the confidence to trust the answers to those questions. When the autoradiogram turns up a result that is unexpected, you don’t immediately assume you botched the experimental protocol. You are all to be congratulated on making the transition from student to colleague.

Graduation speeches are supposed to educate, inspire, and most importantly, advise. In considering the advice that would be most relevant to share with you, I was drawn to an issue that hits home in our world today— the need for integrity. Accounts of a lack of integrity are in the news every day and seem to permeate most of our society; from the world of business, clergy, government and even our armed forces. In talking about integrity I want to use this word to describe all aspects of personal behavior that are important in our world today. This ranges from the seemingly small issues of meeting our obligations in a timely manner to the larger issues of honesty in our personal and professional life. Do we waste our colleague’s time by being late to appointments or committee meetings; do we waste society’s time by dishonesty in our profession?

I was talking with a friend about conveying the significance of integrity, especially in the midst of the present climate. I described what I felt to be important, and she said she had just come across the term “sovereignty” that seems to encapsulate much of what I thought to be critical to living a life which is rich and valuable. Sovereignty is the quality or authority of being independent and in charge of the conditions you live under.
Sovereignty means that you ARE in charge of your life, and that you are prepared for challenges to your integrity. Sovereignty carries with it responsibility. That is, if you take your life in your own hands, you also take it upon yourself to act responsibly and with integrity in regards to your own life, your family life, your community life, your fellow human beings and the planet as a whole. I challenge you all to live with integrity and exercise your sovereignty.

Finally, I would like to end with a story of a young woman, who, while traveling down a country path encountered a turtle sitting on top a wooden post. The woman was amazed that the turtle was on the wooden post and asked how the turtle got there. The turtle’s reply was:

“I didn’t do it alone.”

Nor have you, who are graduating here today, done it alone. Your goals have been achieved with the help of many: your advisor, other members of your laboratory, and, as I stated earlier the support of your family and friends. Continue to depend on others in the future. Use your sovereignty, responsibility and integrity as individuals, coupled with the cooperation of others, to discover and create great things.

The future is yours to shape.

Congratulations!

John P. McGovern Teaching Award, 2004
Gilbert J. Cote, Ph.D.

This is truly an honor and an award that means a great deal to me. I can’t begin to express my many thanks to all the students for this recognition. It was a little more than 10 years ago that I came to the M. D. Anderson Cancer Center and joined the GSBS. It may surprise some of you to learn that a major factor in my decision to come here was that for the first time I would have the opportunity to teach and mentor students. As graduating students I’m sure you realize that not every job in science provides you with this opportunity. For those of you who may one day get the chance, I highly recommended it. While teaching is definitely time consuming, and filled with both “highs” and “lows,” for me there is a great satisfaction that comes with being able to impart knowledge.

So what have these past 10 years taught me? I’ve learned that teaching is an ever evolving and involving process. Thankfully, no one has been here long enough to remember my first classes. Back then, I was told that if you use the chalkboard, this gives the students plenty of time to copy things down. The problem was that half the class couldn’t decipher my handwriting, the chalkboard doesn’t have a built in spellchecker, and I spent most of class with my back to the students. Things have changed a great deal since those days. This past year my lectures were posted online and I had students coming up after class with their USB microdrives asking to download PowerPoint and PDF files. However, despite all these technological advances, I think my most important teaching tools have always been - finding the time to interact and listen to what students have to say, learning from my missteps, and striving each year to be a better teacher.

Let me end by extending my congratulations to all of you. Today marks a remarkable accomplishment, an end to a long journey and the beginning of another. Something that I hope you’ll all look back upon with great pride and satisfaction.
First, let me extend my warm congratulations to all of you graduates. You have completed a challenging curriculum and helped to shape the knowledge and health of your fellow citizens. You are truly at the cutting-edge of knowledge generation, and many people look to research like yours to help them and their loved ones. Our country invests heavily in such research because it is so important, and you have become a key part of our labor force. I know that it has been a wise investment.

I also want to thank those in the audience who have made this day possible: parents, grandparents, spouses, children, and creditors – and of course the faculty who have been mentors and maybe sometimes tormentors during the past few years. I would also like to thank the federal and state taxpayers who have subsidized your education in this fine institution. All of us are proud of your accomplishments and welcome you to your profession.

Most people who have been to graduate school identify those years as transformative. You have learned to work very hard. If the faculty were successful, you should be feeling just a little guilty right now because you are not in the lab. You have formed habits of careful work and close attention to detail while still being able to assimilate a great deal of information and to make generalizations. You have a valuable skill-set, and we are proud and happy about how well you have done.

In addition to having learned your discipline and research techniques, however, I hope that you have also learned the intangibles that make you a professional of integrity. The need to have scientists who value truth and honesty has never been higher.

In the wake of corporate scandals, fraud investigations, and numerous incidents of plagiarism, there is an air of cynicism about the ethics of professionals. In nearly every field, there have been disenchanting reports of misbehavior. Who would have thought that my Martha Stewart recipes would produce a pang of regret?

Essentially no area of life has been left untouched. Just last week, the University of Washington School of Medicine announced a negotiated settlement of a four-year criminal and civil investigation by the federal government; in mid-June, the University of Washington will repay $35 million as a result of physician billing errors. I don’t need to remind people in Houston about Enron or the whole dreary list of scandals that take up so much room in our daily newspapers.

These developments have consequences. There has been a striking decline in the confidence Americans have in our institutions. The General Social Survey is a high-quality annual survey that provides us with a snapshot of American opinion.2 This survey shows that over the twenty-year life span of the survey, American confidence in nearly every institution has declined.

In the early 1970s, almost half of all Americans had “a great deal of confidence” in education, and 45% had a great deal of confidence in organized religion. By 2002 only one-quarter of Americans had a great deal of confidence in education and only 19% still had a great deal of confidence in organized religion. Confidence in financial institutions dropped from 40% to 22%. Confidence in business dropped from one-third to 18%. Confidence in organized labor dropped from 19% to 12%. Confidence in the press dropped from 26% to 10%. And
confidence in television dropped from 24% to 10%.

You are fortunate to be entering the institutional sectors that enjoyed the highest level of confidence in 1974. Over 61% of Americans reported a great deal of confidence in medicine and 50% reported a great deal of confidence in science. Regrettably, these levels have also declined. The bad news is that by 2002, the level of confidence in medicine was 37% and in science was 39%. The good news is that despite substantial drops, confidence in science and medicine is still well above the levels for most non-governmental institutions.

We can think of lots of reasons for this long-term decline in confidence, but a more important issue is how we come to deserve confidence. I know that UT-M. D. Anderson and UT-Health Science Center Houston are institutions that value fairness, equity, honest, and integrity, and I know that you have received appropriate training in research and publication ethics. The test of this part of your education, however, is yet to come.

There is no question that research – while an exciting activity and essential to our future – is also full of tension, competition, and some of the darker emotions. Of course you are interested in advancing knowledge and improving the health of patients, but most of us are also susceptible to more concrete and personal rewards. Unlike the miscreants at Enron or WorldCom, who appeared to be interested mainly in money, researchers are tempted by a variety of currencies. Money is nice, but most researchers are not motivated principally by large financial rewards. The rewards that researchers treasure the most come from others: fame, the autonomy that comes from having your own lab and funding, and gatekeeping power over journals and grants. And eventually, there are the signal rewards from your peers – honorific prizes, endowed positions, election to learned societies, and on and on. 3

The path to destruction for most scientists begins when you seek to deceive your peers, whether it is in recording data, writing grant applications, or publishing results. It’s easy to shade your data, or spin your conclusions, or fail to cite a result, or in other ways to debase the currency of scholarly communication. But many projects, especially large collaborative projects, rely crucially on the expectation that each scientist’s work is accurate and honest. 4 It’s so easy to do these things that it might not immediately occur to you that you have also compromised your principles and undermined the public confidence a little bit more. But you work in areas that are so important to us that a minor falsification designed to help your career might directly or indirectly end up hurting a patient. Moreover, every publicized violation of scientific integrity erodes a bit further the confidence of the public – that same public that is called upon to pay taxes so that the National Institutes of Health will support biomedical research.

I am conscious that you will work in a highly competitive arena that does not value negative results, dead-ends, and failures to replicate. The paradox is that in biomedical sciences, unlike most fields of work, honesty may blight your career. Nevertheless, and precisely because what you do is so important, we call upon you to be steadfast in integrity and resolute in honesty. These are the virtues that will make you truly successful, even if your peers do not immediately recognize you for them.

I hope that here in the auditorium we have future Nobel laureates and future members of the national academies. But most of all, I hope that we have here virtuous professionals who will be truly successful because they upheld the value of honesty in their work, no matter what.

Congratulations, and best wishes for a bright future.

1 Executive Vice Chancellor for Academic Affairs, The University of Texas System, tsullivan@utsystem.edu
2 The figures reported below were calculated from the General Social Survey archive maintained at the Survey Documentation and analysis site, http://sda.berkeley.edu:7502/ The calculations here have been rounded to two significant digits and were generally based on a comparison of 1974 with 2002 data. The exception is the level of confidence in financial institutions, for which the baseline year was 1976.
3 One expert on scientific misconduct writers, “Scientists are not disinterested truth seekers; they are more like players in an intense, winner-take-all competition for scientific prestige and the resources that follow from that prestige.” David Goodstein, “Scientific Misconduct,” Academe 88,1 (January-February, 2002), http://www.aaup.org/publications/Academe/2002/02JF/02jfgoo.htm
4 See Moore, John W. J. Chem. Educ. 2002 79 1391, for two recent examples of scientific misconduct that involved deceiving collaborators. For another case, see “Bell Labs announces results of inquiry into research misconduct” (press release of September 25, 2002), http://www.lucent.com/press/0902/020925.bla.html
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Community Awards

Outstanding Community Service Awards for 2004

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(left to right) Koch, Minard, Williams, Hwang

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<td>Tera Guidry</td>
<td>Dr. Jeffrey Actor</td>
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<tr>
<td>Susan Ritter</td>
<td>Dr. Gailen Marshall</td>
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<tr>
<td>Amir Mohsenin</td>
<td>Dr. Michael Blackburn</td>
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P.E.O. (Philanthropic Educational Organization Scholar) Award for 2004-2005

In 1991 the P.E.O. Scholarship Awards were established as the fifth international project of the P.E.O. Sisterhood. They are one-time, highly competitive awards for women of the United States and Canada who are pursuing a graduate degree, undertaking advanced study or research. Since 1992 over 900 women have become P.E.O Scholars selected, in part, for their potential to excel. Recipient of Houston’s E Chapter of the P.E.O Scholarship of $10,000 was:

<table>
<thead>
<tr>
<th>Student</th>
<th>Professor</th>
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<tbody>
<tr>
<td>Pamela Yang</td>
<td>Dr. Alan Swann</td>
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</table>

2004 Barnes and Noble Scholars for ‘Above and Beyond’ Outreach

<table>
<thead>
<tr>
<th>Student</th>
<th>Professor</th>
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<tbody>
<tr>
<td>Jennifer Brannan</td>
<td>Dr. Z. Hong Zhou</td>
</tr>
<tr>
<td>Ivone Bruno</td>
<td>Dr. Gil Cote</td>
</tr>
<tr>
<td>Joanna Koch</td>
<td>Dr. Guillermina Lozano</td>
</tr>
<tr>
<td>Athanasia Panopoulos</td>
<td>Dr. Stephanie Watowich</td>
</tr>
<tr>
<td>Meghan Minard</td>
<td>Dr. Gary Gallick</td>
</tr>
<tr>
<td>Diana Medrano</td>
<td>Dr. Juan Fueyo-Margareto</td>
</tr>
<tr>
<td>Eric Williams</td>
<td>Dr. Henry Strobel</td>
</tr>
<tr>
<td>Malcolm Heard</td>
<td>Dr. Geoffrey Ibbott</td>
</tr>
<tr>
<td>Katherine Roeder</td>
<td>Dr. Jill Schumacher</td>
</tr>
<tr>
<td>Travis Vaught</td>
<td>Dr. Pierre McCrea</td>
</tr>
<tr>
<td>Stacey Ruiz</td>
<td>Dr. David McConkey</td>
</tr>
</tbody>
</table>
Recipients for 2003-2004 (shown here left to right)
Andrew Sowell-Wade Huggins Scholars
Steffan Nawrocki, (Advisor David McConkey, Ph.D.) and
Gregory Aune, (Advisor, Yves Pommier, Ph.D., and Zahid Siddik, Ph.D.)
Yvonne Evrard Fellow and Sharon Dent, Ph.D., Professor, not shown
Cancer Answers/Sylvan Rodriguez Scholar, Shreya Kant, (Advisor, Jeffrey Moldrem, M.D.)
Andrew Sowell-Wade Huggins Scholar, Jiangong Niu, (Advisor, Paul Chiao, Ph.D.)

Cancer Answers, a 501 c (3) organization, was established in 1996 as the fundraising arm of the Andrew Sowell-Wade Huggins Endowed Scholarship Fund at The University of Texas Graduate School of Biomedical Sciences at Houston. This fund provides financial assistance to exceptional graduate students engaged in cancer research at The University of Texas Health Science Center and the M. D. Anderson Cancer Center. Since its earliest beginnings, when Joann Sowell and Marcia Huggins started the Fund (1991) as a response of gratitude to the recovery of their teenage sons from cancer, the support for the mission of ‘finding cancer answers’ through awarding exceptional students in training for their Ph.D. degrees has grown. Through this support, there are now up to five $2,000 annual scholarships and a $20,000 professorship/fellowship stipend provided through a highly competitive process at the Graduate School. The Sylvan Rodriguez Foundation partners with Cancer Answers to share in the effort of support for The Cancer Answers/Sylvan Rodriguez Scholarship, honoring the memory of Sylvan Rodriguez, local newscaster, who died of pancreatic cancer in 2001.

Rosalie B. Hite Award

In 1946, Houston citizen Rosalie B. Hite left her entire estate to establish a fellowship program for cancer research. This award includes a stipend of $19,000 per year, tuition and fees, and a single travel allowance up to $850 for the student to present his or her research at a national meeting. Hite Scholars for 2004-2005 are:

<table>
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<tr>
<th>Student</th>
<th>Professor</th>
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<tbody>
<tr>
<td>Renewed:</td>
<td></td>
</tr>
<tr>
<td>Christopher Danes</td>
<td>Dr. Dihua Yu</td>
</tr>
<tr>
<td>Meghan Minard</td>
<td>Dr. Gary Gallick</td>
</tr>
<tr>
<td>Ke Zhang</td>
<td>Dr. Sharon Dent</td>
</tr>
<tr>
<td>New:</td>
<td></td>
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<tr>
<td>Ilyssa Okrent</td>
<td>Dr. Ralph Freedman</td>
</tr>
</tbody>
</table>

Aaron Blanchard Research Award in Medical Physics

Named in memory of Aaron M. Blanchard, a GSBS student in the Medical Physics Program who succumbed to brain cancer in 1998, this $300 cash award recognizes a Medical Physics graduate (M.S. or Ph.D.) for completion of an outstanding thesis or dissertation judged to make a significant contribution to cancer therapy or diagnosis. Award Recipient for 2004-2005 is

<table>
<thead>
<tr>
<th>Student</th>
<th>Professor</th>
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<tbody>
<tr>
<td>Stephen Kry</td>
<td>Dr. Mohammad Salehpour</td>
</tr>
</tbody>
</table>
Dee S. & Patricia Osborne
Endowed Scholarship in the Neurosciences

Established by the Linda and Ronny Finger Foundation in 2001-2002, this endowed scholarship honors former University of Texas Health Science Center at Houston Development Board president, Dee Osborne and his wife Patricia. Through the endowment an award of $500 is provided to the winning presenter in the graduate student category at the Annual Neuroscience Scientific Poster Session. This award is given during Brain Awareness Week. The 2003-2004 Osborne Scholar is

Student  
Jason Runyan

Professor
Dr. Pramod Dash

The Schissler Foundation Fellowships

The Schissler Foundation is a major benefactor of the Graduate School. Now in its ninth year, the Foundation has chosen to support excellence through its awards to top students involved in research in the human genetics of common diseases. For the 2003-2004 academic year, funding is provided for two Schissler Foundation Fellows in the amount of $20,000 to each of the following students:

Student  
Joanna Koch
Joshua Vincentz

Professor
Dr. Guillermina Lozano
Dr. Yasuhide Furuta

Roberta M. & Jean M. Worsham Endowed Scholarship
in the Behavioral and Neurosciences

This endowed award fosters exceptional students working in the fields of the behavioral or neurosciences with focus on the areas of addiction or obsessive/compulsive behavior. This unique scholarship is for $1,000 and will be formally presented during Brain Awareness Week. The 2003-2004 scholar is

Student  
Chris Machado

Professor
Dr. Jocelyne Bachevalier
The Graduate School is still tentatively scheduled to make the big move to the new George and Cynthia Mitchell Basic Sciences Research Building (BSRB) in the December-January time frame. This future location of the GSBS in the very heart of the Texas Medical Center, is shaping up beautifully, and will soon be called home base for our graduate faculty, students and staff. Photos were taken by Paul Darlington, Ph.D., Associate Dean and primary GSBS liaison for the building’s status.
The training and preparation of students for the career of their choice is called professional development. We at the GSBS pride ourselves that the flexible system of biomedical training offered here, in conjunction with our superb complement of faculty, provides outstanding training to students for the scientific endeavors they will encounter as researchers and academicians. However, an ever-increasing number of students are seeking careers in science that are not research-oriented, or are not academic in nature. These include industrial and government positions, as well as ‘alternative’ careers in patent law, science writing, science entrepreneurship, technology transfer, and teaching, to name a few. In the past five years, the GSBS has undertaken the goal of providing students with the resources to investigate the various career choices of their interest.

Students must be informed of professional development resources early in their graduate training to allow them maximum preparation time for various career paths. In our view, a centralized professional development program is required to reach students early in their training and achieve less redundancy of effort. The immediate goals of the GSBS concerning professional development include providing students with: exposure to the numerous alternative career choices now available via interactive workshops, various career seminars, a network of career contacts who can assist students in preparing for their chosen endeavor, networking with other universities, the development of an interactive professional development webpage for the GSBS website, and the generation of new courses in professional development (e.g., Professional Science Skills: Communications, and Surviving in Science).

Our current program is beginning to offer students in the GSBS opportunities to research their chosen profession, learn that their profession is reachable, and enable them to realistically compete for positions in their profession by providing them with the appropriate skill sets.

For more information, please contact Jon R. Wiener, Ph.D., Assistant Dean for Academic Affairs, 713.500.9870, Jon.R.Wiener@uth.tmc.edu

Project GRAD, a science enrichment program sponsored by the University of Houston, provided a two week seminar for youth to explore the world of biomedical sciences here at the GSBS. Tom Goka, Ph.D., led the presentation with GSBS alumna, Brenda Whaley, Ph.D., (shown here) overseeing the eye-ball dissection experiment.
**Congratulations!!**

Alfred George Knudson, Jr., Ph.D., GSBS Dean, 1970-1976, and currently a senior member at Fox Chase Cancer Center and an adjunct professor of pediatrics and human genetics at the University of Pennsylvania’s medical school, will receive the 2004 Kyoto Prize of $450,000 awarded by the Inamori Foundation. Dr. Knudson will receive the prize in basic science in the field of life sciences. His cancer research led to the discovery of tumor-suppressor genes and an understanding of their role in cancer development.

M. Neal Waxham, Ph.D., Director of the Program in Neuroscience, recently had a successful renewal of the National Institutes of Health Training Grant “Training in Neuroscience.” This is of particular note, that since serving as PI of the grant, seven of our trainees successfully competed for Ruth Kirschstein individual predoctoral fellowships.

Sigma Xi, professional science organization, represented here by Gene Brams, Ph.D., and Elizabeth Smith, recently thanked graduate students for their efforts to bring biological science lectures into the schools. Here left to right: Amy Whitetree, student, Tom Goka, Ph.D., Yasmin Valentin, student, Elizabeth Smith, Sigma Xi, Ivone Bruno, student, and Gene Brams.

Best wishes to all those great faculty who are retiring:

- M. L. Jack Crawford, Ph.D.; Kenneth Hogstrom, Ph.D.;
- Jan Liang, Ph.D.; Emanuel Murgola, Ph.D.

These individuals have been brought to our attention. If you would like your name, or the name of your colleague who is retiring, listed in the newsletter, contact Linda.M.Carter@uth.tmc.edu or call (713) 500-9865.

**Scenes from the recent Faculty-Graduate Student Softball Game**

Alumni Outreach to Sylvan Rodriguez Elementary School

Tom Goka, Ph.D., Assistant Dean for Outreach and Minority Affairs (and GSBS Alumnus), visits with Sonya Coffey, Math Department Chair; and Elena Martinez Buley, Principal, following an interactive presentation about “mixtures.”

Julia Javarone (Advisor, Rena D’Souza, D.D.S, Ph.D.) was elected as president of the National Student Research Group, American Association of Dental Research. She is the first D.D.S./Ph.D. trainee on campus.
Special Thanks & Gratitude

Special Thanks

Benefactors

American Legion Auxiliary
L. D. Blackwell

The Harry S. & Isabel C. Cameron Foundation

City Federation of Women’s Clubs
Rekha Halligan
Evelyn Howell
Margaret Hsu

Marilyn and Frederick Lummis, Jr.

John P. McGovern Foundation
Peggy O’Neill
William Plunkett
Joanna Ross

The Schissler Foundation

The Shell Oil Company Foundation
Rick Wetsel
Mary Ruth Williams
Mary Wright
Wei Yu

With Gratitude

American Society of
Biochemistry & Molecular Biology

Applera Corporation

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Jennifer Fernandez
Rhonda Friedberg
Gregory Fuller
Varsha Gandhi

Chuan Gao
Thomas Goka
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Michael Stern
Ming Tan
Janet Travis
Yining Wang
Brenda Whaley
Rick Wetsel
Barbara Williams
Jing-Ren Williams
Xiaohong Zhang

A tax-deductible gift may be sent to
UT-GSBS, P. O. Box 20334, Houston, Texas 77225-0334
For information call (713) 500-9865

-19-
Dear Alumni and other friends,

Heading into the next academic year and fall breezes I hope, the Graduate School is now completely vested in its new home, the George and Cynthia Mitchell Basic Sciences Research Building. So, while this is all still fresh, I want to invite you to a housewarming...or homecoming, whichever you prefer. Please mark your calendars for Friday, 6:30-9:30 p.m. November 11, 2005 for our now annual Alumni Reunion. It will take place in this sparkling new building midst fabulous art and cutting edge educational and scientific accouterments.

Our Distinguished Alumnus for 2005-2006 is Bhudatt Paliwal, Ph.D., (1973/Almond) who has made, and is making, his world mark in radiation dosimetry, radiation imaging, and the use of hyperthermia in cancer care. Dr. Paliwal will be on hand at the Alumni Reunion (as well as a faculty/student seminar that afternoon open to the public) to talk about his current endeavors and his beginnings at GSBS.

In the 2006 we want to bring a breath of the GSBS closer to you. Our thought is to host the makings of a few informal GSBS alumni chapters, and start to link GSBS friends and colleague around the country. The initial sites being considered include Washington D.C., or the Maryland area, New York City, California around Palo Alto—midway, and Texas in San Antonio. Still in its formative stages I welcome your comments (stlott@mdanderson.org) about location preferences, interest, and of course any volunteers who would like to help us host an informal event, if one of these happens in your business/living area. As I read over this letter I am struck by the many mentions of home. One of the best memories I have about the GSBS, besides the educational experience, was how much I felt at home.

We'd like to bring a bit of that to you. I hope you will join us for the Reunion, elect one of your next Alumni Association leaders then, and relish an evening of camaraderie and new information.

Steven Lott, Ph.D. (1997)
President, 2004-2005
GSBS Alumni Association