ONWARD AND UPWARD
ENTERING STUDENTS 2001-2002
This Fall saw a strong recruitment “push” at the Texas schools. In addition to successful visits to El Paso, Corpus Christi, Kingsville, Edinburg and Brownsville, we saw a particularly strong turn-out at UT-Austin and Texas A&M. We are now beginning to be more aggressive in recruiting out of state: Mt. Holyoke and Charleston College were added to our recruitment efforts. Thanks to all the GSBS staff, faculty and students who have participated in recruiting! The results of the efforts are already showing in the impressive applicants we are currently reviewing for Fall admission.

“Thanks to all the GSBS staff, faculty and students who have participated in recruiting!”

We have a new tool at our disposal for recruitment efforts: Through the dedicated efforts of Ms. Jeryl Silverman, we now have a compendium of slides, in PowerPoint format, available on the GSBS web site (http://gsbs.gs.uth.tmc.edu). These slides range from spectacular aerial shots of the TMC to flow diagrams of students’ progress through the degree process. They are a great resource, and we welcome all Faculty to use them as a regular part of their research presentations.

—Victoria Knutson, Ph.D. Assistant Dean for Admissions.
Dean’s Notes…Anniversaries and Achievements

The 2001-2002 academic year spans several important milestones – 2001 marked the 60th anniversary for M. D. Anderson Cancer Center and 2002 is the 30th for the Health Science Center. Last year, events at M. D. Anderson celebrated important contributions of the institution since its inception, and Health Science Center events will do the same this year. I encourage our faculty, students, staff, and alumni to learn more about the rich history and magnificent accomplishments of both our parent institutions. This can be done by referring to their websites that contain many links to the information. Our turn is coming - 2003 will mark the 40th anniversary of the GSBS!

Given the nature of anniversaries, it is natural to reflect upon the history of our school and its achievements. Many of these are obvious and will be highlighted throughout 2003, including: over 1,000 degrees awarded in the biomedical sciences; untold discoveries made by 1000+ students doing research under the direction of our faculty; the pending opening of state-of-the-art GSBS offices and classrooms in the middle of the Texas Medical Center in the academic year 2003-2004; over $1 million in GSBS student stipends and awards for the first time in 2001-02; and many other achievements that we will showcase next year. Our faculty, students, staff, alumni, and friends have every right to be enormously proud of these individual accomplishments.

We should also feel justifiably proud of our collective achievements – our institution, our graduate education program, and the manner in which we conduct our academic affairs. Our school has brought together the physical and intellectual resources of a diverse set of components - six individual schools, a cancer center, and an institute of biosciences and technology – to work together to train the next generation of biomedical scientists. Despite honest differences of opinion on a number of issues, we have made this work. Graduate schools across the country, most far older than us, are now trying to do what we have been doing for years.

Our students may select specific Programs or design individualized courses of study. This flexibility is highly appealing to prospective students. In either case, all of our students receive in-depth training in the area of their thesis work, plus an exposure to quantitative thinking, molecules, cells, and higher levels of biological organization. Surely there are differences in the achievement of individual students, but our overall program is increasingly the prototype for training grant proposals submitted to NIH, other government agencies, and private foundations.

The way we conduct our academic affairs is truly the model for a university. Via our school-wide committees, we collectively assume the responsibility for admitting students, providing an educational program, and monitoring their academic progress. Major policy decisions are made by majority vote at open meetings of the entire faculty. The system is far from perfect, and may be bureaucratic, cumbersome, and slow at times. We do not always agree, and at times we argue strenuously – but isn’t that the point?

Our faculty, students, and alumni have achieved much in their individual careers, and we are very proud of all of them. We should be equally proud of their collective efforts that have built the GSBS. I’m looking forward to a great anniversary party!
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree/Institution</th>
<th>Field</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melissa Adams</td>
<td>Ph.D. - Cell Biology</td>
<td></td>
<td>University of Maryland</td>
</tr>
<tr>
<td>B.S./1999</td>
<td></td>
<td></td>
<td>College Park</td>
</tr>
<tr>
<td>Kendra Allton</td>
<td>Ph.D. - Genes and Development</td>
<td></td>
<td>B.S./1999</td>
</tr>
<tr>
<td>sachin Apt</td>
<td>Ph.D. - Medical Physics</td>
<td></td>
<td>McMaster University</td>
</tr>
<tr>
<td>M.S. - Cancer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medicine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.D./1999</td>
<td></td>
<td></td>
<td>Truman State University</td>
</tr>
<tr>
<td>Sachin Apte</td>
<td>Ph.D. - Medical Physics</td>
<td></td>
<td>B.S./1999</td>
</tr>
<tr>
<td>M.S. - Cancer</td>
<td></td>
<td></td>
<td>Cornell University</td>
</tr>
<tr>
<td>Medicine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.D./1997</td>
<td></td>
<td></td>
<td>Ohio State University</td>
</tr>
<tr>
<td>M.S.Rukh Aslam</td>
<td>Ph.D. - Medical Physics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>s.m.s. - Medical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.S./2000</td>
<td></td>
<td></td>
<td>University of Houston-Main</td>
</tr>
<tr>
<td>Ali Azhdarinia</td>
<td>Ph.D. - Pharmacology</td>
<td></td>
<td>B.S./1999</td>
</tr>
<tr>
<td>M.S. - University</td>
<td></td>
<td></td>
<td>Of Houston</td>
</tr>
<tr>
<td>Of Texas</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.S.</td>
<td></td>
<td></td>
<td>HSC-Houston GSBS</td>
</tr>
<tr>
<td>Shelly Babin</td>
<td>Ph.D. - Cancer Biology</td>
<td></td>
<td>B.S.</td>
</tr>
<tr>
<td>M.S. - Cancer</td>
<td></td>
<td></td>
<td>Louisiana Tech University</td>
</tr>
<tr>
<td>Medicine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.D./1990</td>
<td></td>
<td></td>
<td>National Defense Medical</td>
</tr>
<tr>
<td>Ph.D. - Molecular</td>
<td></td>
<td></td>
<td>University</td>
</tr>
<tr>
<td>Pathology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.A./2000</td>
<td></td>
<td></td>
<td>Princeton University</td>
</tr>
<tr>
<td>Jack Bevers</td>
<td>Ph.D. - Immunology</td>
<td></td>
<td>B.S./2000/Texas A&amp;M</td>
</tr>
<tr>
<td>University</td>
<td></td>
<td></td>
<td>College Station</td>
</tr>
<tr>
<td>Tracy Bishop</td>
<td>Ph.D. - Virology and Gene Therapy</td>
<td></td>
<td>B.S./1996</td>
</tr>
<tr>
<td>M.S. - University</td>
<td></td>
<td></td>
<td>Of Houston</td>
</tr>
<tr>
<td>Of Mississipi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>John Boik</td>
<td>Ph.D. - Toxicology</td>
<td></td>
<td>B.S.</td>
</tr>
<tr>
<td>Ph.D. - University</td>
<td></td>
<td></td>
<td>Of Colorado at Boulder</td>
</tr>
<tr>
<td>B.S. - University</td>
<td></td>
<td></td>
<td>Of Oregon College of Oriental Medicine</td>
</tr>
<tr>
<td>Ashley Cain</td>
<td>Ph.D. - Neuroscience</td>
<td></td>
<td>B.S./2000</td>
</tr>
<tr>
<td>M.S. - University</td>
<td></td>
<td></td>
<td>Of Mississippi</td>
</tr>
<tr>
<td>Ying Cao</td>
<td>Ph.D. - Virology and Gene Therapy</td>
<td></td>
<td>B.S.</td>
</tr>
<tr>
<td>M.S. - University</td>
<td></td>
<td></td>
<td>Of Nanjing Medical University</td>
</tr>
<tr>
<td>Peter Cashio</td>
<td>Ph.D. - Cancer Biology</td>
<td></td>
<td>M.S./2000/Texas A&amp;M</td>
</tr>
<tr>
<td>M.S. - University</td>
<td></td>
<td></td>
<td>Of Nanjing Medical University</td>
</tr>
<tr>
<td>Dawn Cavanaugh</td>
<td>Ph.D. - Medical Physics</td>
<td></td>
<td>B.S./1999</td>
</tr>
<tr>
<td>Ph.D. - University</td>
<td></td>
<td></td>
<td>Of Toledo</td>
</tr>
<tr>
<td>Tai-Lung Cha</td>
<td>Ph.D. - Molecular Pathology</td>
<td></td>
<td>M.D./1990</td>
</tr>
<tr>
<td>Ph.D. - University</td>
<td></td>
<td></td>
<td>Of National Defense Medical Center</td>
</tr>
<tr>
<td>Xiaodong Cheng</td>
<td>Ph.D. - Cancer Biology</td>
<td></td>
<td>B.S./1995</td>
</tr>
<tr>
<td>M.D./1997</td>
<td></td>
<td></td>
<td>Of Harbin Medical University</td>
</tr>
<tr>
<td>Pai-Chun Chi</td>
<td>S.M.S. - Medical Physics</td>
<td></td>
<td>B.S./1999/McMaster University</td>
</tr>
<tr>
<td>Jennifer Childress</td>
<td>Ph.D. - Neuroscience</td>
<td></td>
<td>B.S./2000/University of Missouri at Columbia</td>
</tr>
<tr>
<td>Nathan Childress</td>
<td>Ph.D. - Medical Physics</td>
<td></td>
<td>B.S./2000/University of Missouri at Columbia</td>
</tr>
<tr>
<td>Charles Choonho Chung</td>
<td>Ph.D. - Human and Molecular Genetics</td>
<td></td>
<td>B.S./1997/Kon-Kuk University</td>
</tr>
<tr>
<td>M.S./2001/University of Missouri at Columbia</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mary Anne Connely</td>
<td>Ph.D. - Microbiology and Molecular Genetics</td>
<td></td>
<td>B.S./2001/University of South Carolina</td>
</tr>
<tr>
<td>Vanessa Crum</td>
<td>Ph.D. - Cancer Biology</td>
<td></td>
<td>B.S./2001/Purdue University</td>
</tr>
<tr>
<td>Sandra Darilek</td>
<td>S.M.S. - Genetic Counseling</td>
<td></td>
<td>B.S./2000/Texas A&amp;M</td>
</tr>
<tr>
<td>University-College Station</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>John Davis</td>
<td>Ph.D. - Human and Molecular Genetics</td>
<td></td>
<td>B.S./2000/Baylor University</td>
</tr>
<tr>
<td>Jennifer Dembinski</td>
<td>Ph.D. - Virology and Gene Therapy</td>
<td></td>
<td>B.S./2000/SUNY College at Buffalo</td>
</tr>
<tr>
<td>Xiaoli Dong</td>
<td>Ph.D. - Immunology</td>
<td></td>
<td>B.S./1999/Shandong Medical University</td>
</tr>
<tr>
<td>Rene Elms</td>
<td>Ph.D. - Biochemistry</td>
<td></td>
<td>M.S./2001/Peking Union Medical College</td>
</tr>
<tr>
<td>Christine English</td>
<td>Ph.D. - Neuroscience</td>
<td></td>
<td>B.S./2000/Houston Baptist University A.S.</td>
</tr>
<tr>
<td>Sharon Fernandez</td>
<td>M.D./Ph.D. - Human and Molecular Genetics</td>
<td></td>
<td>Houston Community College</td>
</tr>
<tr>
<td>Gary Fisher</td>
<td>S.M.S. - Medical Physics</td>
<td></td>
<td>B.S./2000/University of Texas at El Paso</td>
</tr>
<tr>
<td>Jennifer Frey</td>
<td>Ph.D. - Human and Molecular Genetics</td>
<td></td>
<td>B.S./2000/Washington University</td>
</tr>
<tr>
<td>Celia Garcia-Prieto</td>
<td>Ph.D. - Cancer Biology</td>
<td></td>
<td>B.S./1998/Texas A&amp;M at Kingsville</td>
</tr>
<tr>
<td>M.S./2001/Texas A&amp;M at Kingsville</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>David Gold</td>
<td>M.S. - Biomathematics and Biostatistics</td>
<td></td>
<td>B.A./1996/University of Texas at Austin</td>
</tr>
<tr>
<td>Ph.D. - Immunology</td>
<td></td>
<td></td>
<td>B.S./2000/Texas A&amp;M University at College Station</td>
</tr>
<tr>
<td>Tera Guidry</td>
<td>Ph.D. - Immunology</td>
<td></td>
<td>B.S./1999/Baylor University</td>
</tr>
<tr>
<td>Emily Gutter</td>
<td>S.M.S. - Genetic Counseling</td>
<td></td>
<td>B.S./2000/Ohio University</td>
</tr>
<tr>
<td>Maria Hadijirangiskou</td>
<td>Ph.D. - Microbiology and Molecular Genetics</td>
<td></td>
<td>B.S./1997/New York University</td>
</tr>
<tr>
<td>Yuhu Hayashi</td>
<td>Ph.D. - Immunology</td>
<td></td>
<td>M.S./1998/International Space University France</td>
</tr>
<tr>
<td>Mark Hickman</td>
<td>Ph.D. - Microbiology and Molecular Genetics</td>
<td></td>
<td>B.A./1996/University of Texas at Austin</td>
</tr>
<tr>
<td>Amy Heck</td>
<td>Ph.D. - Neuroscience</td>
<td></td>
<td>B.A./2000/University of Virginia</td>
</tr>
<tr>
<td>Jay Herman</td>
<td>M.S. - Cancer Biology</td>
<td></td>
<td>B.S./1964/University of Alabama</td>
</tr>
<tr>
<td>David Hernandez</td>
<td>Ph.D. - Neuroscience</td>
<td></td>
<td>B.S./1999/University of Texas at Austin</td>
</tr>
<tr>
<td>Mark Hickman</td>
<td>Ph.D. - Microbiology and Molecular Genetics</td>
<td></td>
<td>B.S./1986/University of Florida</td>
</tr>
<tr>
<td>Sung Ki Hong</td>
<td>Ph.D. - Environmental and Molecular Carcinogenesis</td>
<td></td>
<td>B.S./1995/Hallym University M.S./2/1/97</td>
</tr>
<tr>
<td>Helen Huang</td>
<td>Ph.D. - Cancer Biology</td>
<td></td>
<td>B.S./1995/National Taiwan University M.S./1997/National Taiwan University</td>
</tr>
<tr>
<td>Chris Hymel</td>
<td>Ph.D. - Neuroscience</td>
<td></td>
<td>B.S./1980/Texas A&amp;M University at College Station M.S./1982/Texas A&amp;M University at College Station</td>
</tr>
<tr>
<td>Autumn Jackson</td>
<td>M.D./Ph.D. - Immunology</td>
<td></td>
<td>B.S./2000/Vanderbilt University</td>
</tr>
<tr>
<td>Evan Johnson</td>
<td>M.S. - Physiology</td>
<td></td>
<td>B.S./1999/McMaster University</td>
</tr>
</tbody>
</table>
Qi Wu  
Ph.D. - Environmental and Molecular Carcinogenesis  
B.S./1998/China Medical University  
M.S./2001/China Medical University  

Hailing Yang  
Ph.D. - Cell and Regulatory Biology  
B.S./1998/China Medical University  
M.S./2001/China Medical University  

Jun Yang  
Ph.D. - Microbiology and Molecular Genetics  
B.S./1994/Qingdao Medical College  
M.S./1999/National Institute for Control of Pharmaceutical & Biological Products  

Alyson Zeamer  
Ph.D. - Microbiology and Molecular Genetics  
B.S./2001/Texas A&M University-College Station  

Jing Zhang  
Ph.D. - Pharmacology  
B.S./2000/Beijing Medical University  

Jing Zhao  
Ph.D. - Biochemistry  
B.S./1998/Beijing Medical University  
M.S./2001/Capital University of Medical Sciences  

Xi Zhou  
Ph.D. - Microbiology and Molecular Genetics  
B.S./2001/Wuhan University  

GRADUATE STUDENT ASSOCIATION

The Graduate Student Association of the GSBS provides a student forum for discussion of common needs, works cooperatively with the faculty and administration, and develops student fellowship and social activities. It performs an important function as the official organization representing the student body. Students recommended by the GSA serve on each of the GSBS Standing Committees. During the year, the GSA sponsors a variety of events including a research symposium in which graduate students describe their current projects.

Graduate Student Association Officers, Jennifer Brannan, President, left, and Secretary, Marissa Shrader, right, greet incoming students at the Dean’s Fall Reception. Stacey Ruiz, who is not shown, is Vice President.

Our own dean, George Stancel, Ph.D., was named M. D. Anderson Cancer Center’s Number One Educator for the Month of November. Congratulations, Dean Stancel!
Students in the GSBS Library attend a Space Life Studies course teleconferenced with the Johnson Space Center at NASA, GSBS, and The University of Texas Medical Branch at Galveston.

Televised speaker, Dr. Neal Pellis from Johnson Space Center, L-R: Yuko Hayashi, Elizabeth Lafleur, Brian Phillips; seated, L-R, Terry Johnson and Grant Woodard. Classmates not shown, Vanessa Crum and Jarah Meador.

In a recent open forum at the Graduate School, James T. Willerson, president of The University of Texas Health Science Center at Houston, described the [future home of the GSBS] George and Cynthia Mitchell Basic Science Research Building which is being built on Bertner Avenue, adjacent to M. D. Anderson Cancer Center. This building will be dedicated to biomedical research and will be a collaborative home for both UT-Houston and M. D. Anderson researchers. Dr. Willerson said that he is glad the GSBS will have ‘a new home’ dedicated to supporting the research and discovery process.

Science Writing Internship in Communications and Public Affairs, A View from the Inside . . .
by Kimber Malone, Ph.D.

Do you love to write? Do you love science? If you answer yes to these questions, then you might want to consider a career in science writing. A science writer crosses the invisible boundaries between programs and departments and delves into the laboratories and minds of top researchers, learning about what they do and what they find most fascinating about their research. A science writer picks up the pen and puts down the pipette, transforming complex ideas into easily understandable sentences as he or she explains science to scientific and nonscientific audiences.

The science writing internship offered by the Graduate School of Biomedical Sciences and the Office of Public Affairs at UT-Houston is a way to gain invaluable writing experience, and to see if this type of career is right for you. Just having a doctorate or a master’s degree isn’t enough to get a job as a science writer; both work experience and “clips” (samples) of your published writing are absolute necessities. The science writing internship offers the opportunity to acquire both of these things, and the good news is, your graduate work doesn’t have to be put on hold. Lucky you, you get to write and pipet at the same time.

The UT-Houston Health Science Center Office of Public Affairs, M. D. Anderson Cancer Center, and the GSBS will offer an Internship in Communications and Public Affairs for the summer session. Contact Thomas.J.Goka@uth.tmc.edu for further information.

[A recent GSBS graduate from the program of human genetics, Kimber Malone, Ph.D., is currently employed as a science writer in the UT-Houston Office of Public Affairs.]
...some of my best friends professionally are ones that I met at GSBS and kept in touch with over the years.

—Deborah Anderson
GSBS MEMBERSHIP COMMITTEE REPORT

Members Reappointed With Commendation

Dr. Stephen P. Daiger
Dr. Pierre D. McCrea
Dr. Sharon Y. R. Dent
Dr. Michael J. Siciliano
Dr. Ann M. Killary

NEW REGULAR MEMBERS:

Eric L. Brown, Research Assistant Professor, Extracellular Matrix Biology, Texas A&M University System Health Science Center, Institute of Biosciences and Technology, Ph.D., UT-Houston GSBS, 1996, Research interests: immunology; infectious disease; molecular biology

Susan P. Fisher-Hoch, Professor, Epidemiology, UT-School of Public Health at Brownsville, M.D., University of London, 1981, Research interests: epidemiology of infectious diseases, particular those diseases most important in developing countries with special interest in the genetics and pathophysiology of disease in Hispanics as compared with other racial groups

Michael J. Gambello, Assistant Professor, Pediatrics/Medical Genetics, UT-Houston Medical School, M.D., Ph.D. University of Rochester School of Medicine and Dentistry, 1993, Research interests: neurogenetic/development disorders; informatics; mouse models; neurobiology; gene function

Xiangwei He, Assistant Professor, Biochemistry and Molecular Biology, UT-Houston Medical School, Ph.D., Baylor College of Medicine, 1997, Research interests: mitosis; chromosome segregation fidelity; kinetochore structure and functions in budding yeast

Mickey C-T. Hu, Assistant Professor, Molecular and Cellular Oncology, M. D. Anderson Cancer Center, Ph.D., California Institute of Technology, 1988, Research interests: hormone receptors; signaling pathways; cancer therapy and prevention; biomarkers; proteomics

Ja Seok (Peter) Koo, Assistant Professor, Thoracic and Head and Neck Medical Oncology, M. D. Anderson Cancer Center, Ph.D., University of North Carolina at Chapel Hill, 1993, Research interests: mucous differentiation of bronchial epithelium; retinoids; nuclear retinoids receptors; inflammation airway secretions; mucin; cytokine

Rosemary Kozar, Assistant Professor, Surgery, UT-Houston Medical School, M.D., Temple University School of Medicine, 1986, Ph.D., Baylor College of Medicine, 1992, Research interests: nutrition; gastrointestinal physiology; energy metabolism; ischemia/reperfusion

Jingfei Ma, Assistant Professor, Diagnostic Imaging, M. D. Anderson Cancer Center, Ph.D., University of Pennsylvania, 1991, Research interests: magnetic resonance imaging; imaging pulse sequences design; MR image reconstruction algorithm development

Angabin Matin, Assistant Professor, Molecular Genetics, M. D. Anderson Cancer Center, Ph.D., UT-Houston GSBS, 1993, Research interests: identification of genetic loci and genes involved in testicular germ cell tumor development; germ cell biology

Osama Mawlawi, Assistant Professor, Diagnostic Radiology/Imaging Physics, M. D. Anderson Cancer Center, Ph.D., Columbia University, 1999, Research interests: positron emission tomography; kinetic modeling; image acquisition, reconstruction, and quantification; statistical parametric mapping

C. S. Raman, Assistant Professor, Biochemistry and Molecular Biology, UT-Houston Medical School, Ph.D., UTHSC at San Antonio, 1997, Research interests: signal transduction; axon guidance; gaseous messengers; nitric oxide; heme containing proteins; X-ray crystallography; biophysics

Mohammad R. Salehpour, Assistant Professor, Radiation Physics, M. D. Anderson Cancer Center, Ph.D., University of Missouri-Columbia, 1991, Research interests: intensity modulated radiation therapy; quality assurance in radiation therapy

Generous willingness to serve, dedication to our graduate students, and a unanimous vote of confidence transformed Kenneth R. Hogstrom, Ph.D., into the newest president-elect of the Graduate School of Biomedical Sciences graduate faculty. As the 32nd president-elect Dr. Hogstrom will serve as chairman of the Executive Committee for the 2001-2002 academic year, and succeed current faculty president, Dr. Jeanie B. McMillin, in 2002-2003.

Dr. Hogstrom is professor of radiation physics in the Department of Radiation Physics at M. D. Anderson Cancer Center. He received his B.S. in physics and M.S. in experimental nuclear physics from the University of Houston, and his Ph.D. in experimental nuclear physics from Rice University in 1976. The American Board of Radiology certified Dr. Hogstrom in therapeutic radiological physics in 1992. He chaired the Department of Radiation Physics from 1986 to 2001, and he presently holds the P. H. and Fay Etta Robinson Distinguished Professorship in Cancer Research.

Active in the Graduate School since becoming a faculty member in 1979, Dr. Hogstrom has previously coordinated and taught in numerous medical physics courses and served as a member of several standing committees including the Program Coordinating Committee, Admissions Committee and Specialized Masters Committee. Dr. Hogstrom has supervised ten tutorials, mentored seven students to their M.S. or Ph.D. degrees, and participated on twenty-four advisory-supervisory committees and two examining committees.

Dr. Hogstrom’s primary research and clinical interest is to research and develop technology for the radiation oncology clinic at M. D. Anderson Cancer Center so that it offers the best electron beam therapy in the world. As part of that effort he has implemented state-of-the-art tools for optimally planning electron treatments and special techniques for delivering therapeutic irradiation using electron beams. His research in electron-beam transport calculations has also resulted in new and improved methods for measuring and calculating electron dosages.

As director of the M.S. and Ph.D. programs in medical physics in The University of Texas Graduate School of Biomedical Sciences, Dr. Hogstrom educates students in the clinical and research aspects of Medical Physics, a CAMPEP accredited program. Additionally, he serves as director of education in the Department of Radiation Physics. This includes directing the department’s Short Course Program that provides continuing education in medical physics and dosimetry to medical physicists, radiation oncology residents, and medical dosimetrists.

In the last ten years Dr. Hogstrom has received over $2.7 million in grant funding. Since becoming tenured at M. D. Anderson Cancer Center in 1983 Dr. Hogstrom has received the Delaware Valley Chapter Award, AAPM, 1984; Becton-Dickinson Career Achievement Award, Association for the Advancement of Medical Instrumentation, 1988; Robert J. Shalek Award, Southwest Chapter, AAPM, 1991; Faculty Achievement Award in Education, M. D. Anderson Cancer Center, 1995; Fellow, AAPM, 1995; Fellow, American College of Medical Physics, 1996; and in 2000 was elected president of the American Association of Physicists in Medicine.
ALFRED G. KNUDSON OUTSTANDING DISSERTATION
Named for the distinguished individual known for his landmark contributions to the field of genetics, Dr. Knudson was Dean and Professor of Medical Genetics at the GSBS from 1969-1976 as well as Associate Director of Education at M. D. Anderson Cancer Center. Established by the Faculty Senate at M. D. Anderson, the $1,000 award recognizes original research conducted by a student working toward a Ph.D. at the UT-Houston Graduate School of Biomedical Sciences. The award also acknowledges the important scientific supervision that M. D. Anderson faculty members provide for GSBS students. The 2001-2002 honoree is:

Student: Wendong Huang, Ph.D.
Supervisory Professor: Dr. Benoit de Crombrugghe

HARRY S. & ISABEL C. CAMERON AWARD
Offered for the first time in 2001-2002, this scholarship provides $5,000 to an exceptional GSBS student working in research fields relating to Alzheimer’s or cardiovascular disease. The $5,000 gift matched by GSBS in 2001-2002, gives a total of $10,000 in stipend support. The 2001-2002 winner is:

Student: Chengyu Liu
Supervisory Professor: Dr. James Martin

SCHISSLER FOUNDATION FELLOWS
The Schissler Foundation is a major contributor to the GSBS. For seven years the Foundation has supported students involved in research in the human genetics of common diseases. For the 2001-2002 academic year, The Schissler Foundation is providing funding for two fellowships in the amount of $22,500 to the following students:

Student: Sumera Hasham
Supervisory Professor: Dr. Dianna Milewicz
Student: Hongyan Zhong
Supervisory Professor: Dr. Michael Blackburn

DEE S. & PATRICIA OSBORNE ENDOWED SCHOLARSHIP IN THE NEUROSCIENCES
Established in 2001-2002, this award provides $500 to the winning presenter in the graduate student category at the Annual Neuroscience Poster Session. This award will be formally presented during Brain Awareness Week. The first Osborne Endowed Scholar is:

Student: Sarah Nemanic
Supervisory Professor: Dr. Jocelyne Bachevalier

ROBERTA M. & JEAN M. WORSHAM ENDOWED SCHOLARSHIP IN THE BEHAVIORAL AND NEUROSCIENCES
Established in 2001-2002, this award fosters exceptional students working in the fields of the Behavioral or Neurosciences with areas of addiction or obsessive/compulsive behavior being of foremost interest. The initial value of this scholarship is $500 to be matched by the GSBS for a total award of $1,000. This award will be formally presented during Brain Awareness Week. The 2001-2002 scholar is:

Student: Dawn Marsh
Supervisory Professor: Dr. Donald Dougherty
## John P. McGovern GSBS Scientific Poster Competition

The nineteenth annual John P. McGovern Scientific Poster Competition for graduate students was held on October 19, 2001. The awards are based on research excellence and presentation, and were selected by a GSBS Faculty committee including Drs. John Clifford, Yong-Jian Geng, Daniel Jones, Kathy O’Keefe, Mandri Obeyesekere, Judith Smith, Kalkunte Srivenugopal, Li-Kuo Su, Ratna Vadlamudi, and Yinhua Yu. Nine awards were made to three categories of students, Master’s Degree, Pre-Candidacy Ph.D., and Post-Candidacy Ph.D. First Place, $400; Second Place, $300; Third Place $200. Winners are:

<table>
<thead>
<tr>
<th>Category</th>
<th>Student</th>
<th>Award</th>
<th>Supervisory Professor</th>
</tr>
</thead>
<tbody>
<tr>
<td>MASTER’S</td>
<td>Alan Zarrinnehsan</td>
<td>1st Place</td>
<td>Dr. David Loose-Mitchell</td>
</tr>
<tr>
<td></td>
<td>Shailendra Mundhada</td>
<td>2nd Place</td>
<td>Dr. Craig Mullen</td>
</tr>
<tr>
<td></td>
<td>Darin Tessier</td>
<td>3rd Place</td>
<td>Dr. Molly Bray</td>
</tr>
<tr>
<td>PRE-CANDIDACY</td>
<td>Hays Young</td>
<td>1st Place</td>
<td>Dr. Michael Blackburn</td>
</tr>
<tr>
<td></td>
<td>Theodore Steger</td>
<td>2nd Place</td>
<td>Dr. Edward Jackson</td>
</tr>
<tr>
<td></td>
<td>Joshua Krumenacker</td>
<td>3rd Place (tie)</td>
<td>Dr. Ferid Murad</td>
</tr>
<tr>
<td></td>
<td>Jarah Meador</td>
<td>3rd Place (tie)</td>
<td>Dr. David Mitchell</td>
</tr>
<tr>
<td>POST-CANDIDACY</td>
<td>Sol Bobst</td>
<td>1st Place</td>
<td>Dr. Rodney Kellems</td>
</tr>
<tr>
<td></td>
<td>Hui-Wen Lo</td>
<td>2nd Place</td>
<td>Dr. Francis Ali-Osman</td>
</tr>
<tr>
<td></td>
<td>Hua Wang</td>
<td>3rd Place</td>
<td>Dr. Wei Zhang</td>
</tr>
</tbody>
</table>

## American Legion Auxiliary Fellowships

For 30 years the American Legion Auxiliary has been providing scholarships to exceptional GSBS students involved in cancer research. The money for this funding is raised through fun runs, fashion shows, bake sales, bingo games and other labor-intensive activities. The Auxiliary has raised over $860,000 to present 79 awards to date, many of which are renewable to individuals throughout their doctoral process, and hence provide continuous funding for their research. Each American Legion Auxiliary Award-winning scholar was presented with $5,000. They are:

<table>
<thead>
<tr>
<th>Student</th>
<th>Supervisory Professor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cherie Butts</td>
<td>Dr. Ralph Freedman</td>
</tr>
<tr>
<td>Rebecca Hamm</td>
<td>Dr. Timothy McDonnell</td>
</tr>
<tr>
<td>Joshua Krumenacker</td>
<td>Dr. Ferid Murad</td>
</tr>
<tr>
<td>Elizabeth Lafleur</td>
<td>Dr. Eugenie Kleinerman</td>
</tr>
<tr>
<td>Leta Nutt</td>
<td>Dr. David McConkey</td>
</tr>
<tr>
<td>Elizabeth Nielsen</td>
<td>Dr. Peng Huang</td>
</tr>
<tr>
<td>Katherine Roeder</td>
<td>Dr. Jill Schumacher</td>
</tr>
<tr>
<td>Jamie Russell</td>
<td>Dr. David Johnson</td>
</tr>
<tr>
<td>Aurora Seminara</td>
<td>Dr. Ferid Murad</td>
</tr>
<tr>
<td>Susan Toole</td>
<td>Dr. Francis Ali-Osman</td>
</tr>
</tbody>
</table>

American Legion Auxiliary scholarship winners and benefactors. Standing, left to right: Nancye Whitson, ALA; Susan Toole, Rebecca Hamm, Josh Krumenacker, Jamie Russell, Katie Roeder, Cherie Butts, and Elizabeth Oldham, scholars; Irma Sonntag, ALA. Seated ALA members: Katherine Morris, Helen Zann, Carlene Ashworth, Myra Hester; ALA president, Betty Rohan; ALA member Lee Dugenske.
THANK YOU!

SPECIAL THANKS

Benefactors
American Legion Auxiliary
Cancer Answers, Inc.
Marilyn Lummis
Martel Foundation, Inc.
John P. McGovern, M.D.
The Schissler Foundation
Shell Oil Company Foundation
Jean and Roberta Worsham
Linda & Ronny Finger Foundation
Harry S. & Isabel C. Cameron Foundation
Sylvan Rodriguez Foundation

WITH GRATITUDE

Annual Campaign
John Antolak
Michelle Barton
Michael Bieda
Roger Bick
John Byrne
Linda Carter
Daniel Carson
Julie Cerrato
Gina Chappell
Ennio Chiocca
Paul Cizdziel
Richard Clark
John Clifford
Gilbert Cote
William Crain
Monica Cronin
Stephen Daiger
Paul Darlington
Peter Davies
Sheila Davis
Teresa Deis
Zuoming Deng
Sharon Dent
Gregory Dominak
Tommy Douglas
Rena D’Souza
Julie Ellerhorst
Frank Fasullo
Jennifer Fernandez
Isaiah Fidler
Ralph Freedman
Gregory Fuller
Yasuhide Furuta
Chuan Gao
Antje Gee
Eugene Gerner
Ima Gigli
Michelle Glasky
Armand Glassman
Thomas Goka
Millicent Goldschmidt
Jason Goldsmith
Siew-Ging Gong
Maureen Goode
David Hewett-Emmett
Edward Grant
Elizabeth Grimm
Dianne Hammond
Thomas Haynie
Jacqueline Hecht
Carol Helton
Beng Ho
Kenneth Hogstrom
James & Marie Hokanson
Glenn Houholder
Vicki Huff
Mien-Chie Hung
Robert Hunter
Robert Hurlbert
Charles Jones
Quita Jones Cruciger
Rodney Kellem's
Robert Kirken
John Klein
Richard Kulmacz
William Klein
Margaret Kripke
Mark Kunkel
M.T. Kuo
Lawrence Lachman
Dolores Lamb
Richard Lane
George Leventon
Brenda Lilly
Dorothy Long
Kathryn Louie
Wendy Mars
Nancy & Thomas Matney
Beth Maxwell
Pierre McCrea
Jeanie McMillin
Kapil Mehta
Marvin Meistrich
Mercedes Meyer
Raymond Meyn
Kevin Morano
Debra Moss
Ponnada Narayana
Ted Pate
Sen Pathak

Deborah Pearson
William Pierceall
Thomas Poorman
Carey Pope
John Powers
Karl Prado
Janet Price
Claudia & Potu Rao
Ellen Richie
Rhonda Rolig
Isaac Rosen
Larry Rosenberg
Doris Ross
Barbara Sanborn
Stanley Schultz
Bradley Schwab
Robert Scott
Donna Shewach
Ann-Bin Shyu
Michael Siciliano
Doris Siwak
Cheryl Spitzenberger
George Stancel
George Starkschall
Michael Stern
Douglas Stickle
James Strong
Heinrich Taegtmeyer
Jeanice Theriot
Lawrence Thompson
Jeffrey Touchman
Ah-Lim Tsai
Richard Umeh
David Vale
Kelly Volcik
Kishor Wasan
Michael Weil
Barbara Williams
Nianhua Xu
Wenbing Xu
Edward Yeh
Dihua Yu
Wei Yu
Qi Zhao
Z.H. Zhou
Leonard Zwelling
“Breakthrough,” the title of a sculpture given by artist, Dr. Eugene Brams, now resides at the entry of the GSBS. The mirror-image seabirds, nicknamed ‘Watson and Crick’ after the Nobel Prize winners who discovered DNA, are carved in pink, striated Colorado alabaster. Noted on the sculpture’s base is the message, “touch the birds” for good luck.

Sally Kim, center, GSBS Fulbright Scholarship winner, is updating UT-H Health Science Center public affairs assistant vice president Jane Brust, left, and GSBS Dean George Stancel, right, after nearly a year in Germany at the Max Planck Institute working with noted biophysicist, Petra Schwille. Her advisor is Neal Waxham, Ph.D.

KUDOS

- Jason Stafford was awarded the first place for the John C. American Young Investigators Competition at the 43rd annual meeting of the American Association of Physicists in Medicine. His advisor is John Hazle, Ph.D.

- The Cell & Regulatory Biology Program organized the first annual Graduate Student Achievement Awards based on scholarly accomplishment and service to the academic community. Award winners included: Fariba Behbod, 1st Place, advised by Dr. Robert Kirken; Joshua Krumenacker, 2nd Place, advised by Dr. Robert Kirsch; Cherie Butts, 3rd Place, advised by Dr. Ralph Freedman.

- Student Intercouncil (SIC) donated $400 to the September 11th Fund on behalf of all students.

- M. D. Anderson Cancer Center 2001 Faculty Achievement Awards were presented to two GSBS faculty: Sharon Dent, Ph.D., Basic Research; Bradley McIntyre, Ph.D., Education.

- GSBS Men’s Softball Team won the 2001 TMC League Championship. Competing against the 12 best teams from the institutions of the Texas Medical Center, the GSBS men’s softball team won the Men’s Division of the UT Rec Center’s Fall Softball League. For their efforts the GSBS team was awarded a plaque (now on display in the Graduate School offices) and celebratory t-shirts. Members of the team included Gene Lang, Ted Steger, John Kurland, Josh Krumenacker, Kevin Spurgers, Lawrence Lee, Matt Lawrenz, Jason Mitchell, John Ksar, Nick Koch, and Dillon Phan. Marissa Shrader served as the team’s official scorekeeper.
Hi, Alumni!
Welcome to another year of the GBBS Alumni Association! I hope that you were able to attend the Reunion in November. If not, please do check out the pictures in this issue of the newsletter to see what you missed. (Especially Dean Stancel in his Texas tux!) We had a great time at St. Arnold’s Brewing Company sampling the wares, eating barbecue, and catching up with our friends. Our founding President, Ann Killary (1980), passed the gavel (actually, a brick from the old GSBS building) to me, and as the new President, I am looking forward to another year of working with the GSBS Steering Committee to help alumni keep in touch, assist GSBS students, and inform the community about the importance of science education and research. I hope you will work with us on these things. Remember, this is YOUR ALUMNI ASSOCIATION. All GSBS graduates are automatic members, and there are no dues. All we ask for is your enthusiasm and participation. See below for information on our web site, on nominating your fellow alumni for the Distinguished Alumni Award, and on participating in our exciting In-Reach Mentoring Program.

Maureen E. Goode, Ph.D. (1985)
President, GSBS Alumni Association

Alumni Association Web Site: All about the Alumni Association. gsbs.gs.uth.tmc.edu/alumni/index.html

In-Reach Mentoring Program: GSBS alumni in a wide variety of jobs helping GSBS students with their career decisions. The Alumni Career Advisory Network is an on-line database of alumni who are resources for information on their fields, the Job Shadow Program gives students a realistic look at what it’s like to do certain jobs, and the E-Mail Mentors answer students’ career questions by e-mail. Students, see the Alumni Association web site for a list of participants. Alumni, sign up with the form on the web site, or contact Dr. Brenda Whaley (1995) (bwhaley@hbu.edu; Telephone: 281-649-3000 ext. 2344).

Nominations for Distinguished Alumni Award: Nominate your fellow alumni who are nationally recognized as leaders in their fields. Send their names and contact information to Linda Carter (Linda.M.Carter@uth.tmc.edu; Telephone: 713-500-9865; FAX: 713.500.9877) or Alumni Association, The University of Texas Graduate School of Biomedical Sciences at Houston, P.O. Box 20334, Houston, Texas 77225-0334. All nominations must be received by March 15.

---

The University of Texas
Health Science Center at Houston
Graduate School of Biomedical Sciences
P.O.Box 20334  Suite 300 HMC
Houston, Texas 77225-0334