Message from the Chair

The Department of Pathology is in the midst of a major faculty recruiting effort. This activity has resulted in the hiring of six newly appointed faculty members in the Anatomic Pathology, Neuropathology, and Molecular and Cellular Pathology Divisions. Several outstanding candidates have been interviewed for the Director's position in the newly established Division of Informatics and for Section Head of Surgical Pathology and I look forward to these important leadership positions being filled in the near future. This academic year, we will also launch recruitment efforts for investigators with research interests in cancer, immunology and bone pathobiology. UAB is an exceptional place to work as evidenced by our recent ranking of fifth in the "Best Places to Work in Academia" Survey published by The Scientist magazine and high rankings, third and eleventh, respectively, for student diversity and student happiness in Princeton Review’s 2010 edition of “The Best 371 Colleges”. As I complete my first year as chair, I am grateful for the opportunity to lead such an outstanding department and look forward to its future growth and development.

Best wishes,
Kevin A. Roth, M.D., Ph.D.

Faculty Profile: Walter C. Bell, M.D.

Dr. Walter Bell joined the UAB Surgical Pathology faculty in 1999. He is a native Mississippian and attended medical school at the University of Mississippi School of Medicine. He then came to UAB where he completed a combined residency in Anatomic and Clinical Pathology and a surgical pathology fellowship under the directorship of Dr. Cesar Moran. While in training, Dr. Bell developed an interest in Head and Neck pathology and as a fellow began to lead a weekly Head and Neck Pathology conference for the Otolaryngology faculty and residents. Soon after joining the UAB faculty, he was able to spend a short time at the AFIP in their division of ENT and endocrine pathology to obtain specialized training in this area of pathology. Dr. Bell signs out on the general surgical pathology service and has a continued interest in head and neck, thyroid, and parathyroid pathology.

Medical education has always been a priority for Dr. Bell. He has been awarded the Leonard H. Robinson teaching award in Anatomic Pathology three times and has been active in resident recruiting through continuous service on the Residency Selection Committee. Beginning the year he joined the faculty, in 2005, Dr. Bell was appointed as Associate Residency Program Director for Anatomic Pathology. Aside from the residency program, Dr. Bell’s greatest teaching commitment has been to the sophomore Dental and Optometry students. He served as course director for the combined Dental/Optometry Systemic Pathology Course from 2001 – 2009. He is also active in Medical Student recruitment, serving on the Medical School Admissions Interview Committee since 2005. On a national level, Dr. Bell serves on the American Society of Clinical Pathologists Anatomic Pathology Cont’d
Faculty Profile: Walter C. Bell, M.D. Cont’d.

CheckPath Committee which prepares the CheckPath cases for distribution nationally to practicing pathologists as a quality assurance and continuing medical education program.

Dr. Bell’s research interests focus on development and progression of squamous cell carcinoma. He is involved in collaborative studies with Dr. Chandrika Piyathilake in the Department of Nutrition focusing on the role of DNA methylation in squamous carcinoma and dysplasia. He is also active in tissue resources for research, working closely with Dr. Bill Grizzle, director of the UAB Tissue Collection and Banking Facility. He recently led a round table discussion on the impact of warm ischemia on research tissue specimens at the annual International Society of Biologic Repositories meeting.

Dr. Bell’s wife, Melissa, is upper school principal for Evangel Classical Christian School, a small private school in Alabaster which his three children, Charlie, Dru, and Bonnie attend. Time away from work is largely filled with transporting children to various school and sporting events and with the occasional highland bagpipe lesson. It only has nine notes, how hard can it be to learn to play?

Faculty Profile Cont’d: R. Pat Bucy, M.D., Ph.D.

Dr. Pat Bucy is a professor in our department and the Medical Director of the Flow Cytometry Lab. He is also a scientist for the UAB AIDS Center, the Comprehensive Cancer Center, and the UAB Arthritis Center and has secondary appointments in Microbiology and Medicine. He came to UAB in 1987 after receiving his M.D./Ph.D. degree from Washington University and completing residency training at Barnes and Jewish Hospitals. Dr. Bucy’s research interests revolve around the regulation of immune responses by T cells, particularly the forms of regulation that develop in vivo in situations with chronic antigen presence such as HIV infection. Since 1983, he has received over $10 million in grant support and has published nearly 100 manuscripts, as well as 8 books and book chapters. His national recognition is exemplified by his work as an Ad Hoc member of the Immunological Sciences, the Anesthesiology, and the Immunobiology Study Sections of the NIH. He is also a guest reviewer for over a dozen journals, including the Journal of Immunology, the Journal of Clinical Immunology, the American Journal of Pathology, and Science.

Dr. Bucy also devotes much of his time to teaching students and residents. After many years of serving on the Medical Scientist Training Program (MD/PhD program) Committee, he was its Director from 2002-2006. He has also supervised many graduate students and post-doctoral fellows in his laboratory since 1990. In addition to teaching flow cytometry to our residents, Dr. Bucy became the primary faculty advisor to residents preparing for the Laboratory Medicine Seminar (a.k.a. “shark tank”) in recent years. His expertise in evidence-based medicine is valuable to all participants of the seminar whether they are the presenters or not. His renewed interest and involvement in resident training has been recently recognized by his nomination to be Associate Director of the Laboratory Medicine Residency Program effective July 20. We welcome Pat to this new role and hope to continue to work and learn from him.

Pat is one of the longest serving members of the Department. He built a strong cellular immunology research laboratory focused on transplantation and later funding AIDS research. Currently, he is working collaboratively with his wife, Professor Judith Kapp. Pat is active clinically as Section Head of Flow Cytometry, providing medical leadership to this activity within UAB Hospital Laboratories.
Accolades

Dr. Peter G. Anderson was accepted as a Fulbright Specialist. The Fulbright Specialists Program promotes linkages between US academics and professionals and their counterparts at universities abroad. The program is designed to award grants to qualified US faculty and professionals, in select disciplines, to engage in short-term collaborative 2-6 week projects at higher education institutions in over 100 countries worldwide. Fulbright Specialist’s project activities focus on the strengthening and development needs of higher education institutions. As a Fulbright Specialist, Dr. Anderson will help universities in underserved/undeveloped areas develop medical/health sciences curricula.

Dr. Victor Darley-Usmar was awarded the University of Alabama at Birmingham Dean’s Award for Excellence in Mentoring.

Dr. Pat Bucy is the new Laboratory Medicine Residency Associate Program Director, effective July 20, 2009. Dr. Bucy actively seeks to improve the scientific rigor of the Laboratory Medicine Seminars and has been actively involved in training our residents. Our thanks to Dr. Bucy for being willing to serve in this important training role.

Spotlight on Pathology Support: Veronica Greenough

Ms. Ronnie Greenough is currently an OAII in the Division of Anatomic Pathology. Her many duties include support of the Surgical Pathology Section Head, coordination of the Anatomic Pathology Fellowship and faculty clinical rotation schedule as well as assistance with the Orthopedic Tumor Board. To facilitate the ease in document execution, she recently became a Notary Public for the department.

Ronnie grew up just outside New York City and moved to Alabama in 1980. When her youngest son started school full time she came to work at UAB, in Microbiology, the Streptococcal Research Lab at Children’s Hospital, and finally in Anesthesiology. While she was working at UAB she was also a student, and when she graduated with a degree in Business Administration with an Accounting major, she decided to leave UAB for the world of accounting. After four years she realized it was more exciting working in UAB’s research and clinical environment and she came back to UAB in the Department of Pathology in September 2008.

Ronnie and her husband Joe have been married for 35 years and live quietly with two German Shepherds.
Where are they now?

From the Pathology Graduate Program

Dr. Xiaojun Wu, M.D., Ph.D. obtained her Ph.D. degree in Pathology from UAB in May, 2004, after obtaining her M.D. degree from Zhejiang Medical University in China in 1998. In the UAB Pathology Graduate Program, she was guided and instructed in Dr. McDonald’s laboratory, where her research focused on the mechanisms of osteoporosis and other metabolic bone diseases and she became intrigued by the complex and not well-known cellular interaction in the bone marrow. In 2004-2005, Dr. Wu was a Post Doctoral Fellow at Emory University, working in the field of osteoimmunology. One of her projects received the Most Outstanding Abstract Award at the annual meeting of the American Society for Bone and Mineral Research (ASBMR) in 2005. In 2007, Dr. Wu returned to UAB as a Pathology Resident. She is the recipient of the Autopsy Abstract Award at the annual meeting of United States and Canadian Academy of Pathology in 2009. She currently has two projects that receive support from the Adams Resident Research Fund. She has published in journals such as Cell Metab, J Bio Chem, Crit Rev Eukaryot Gene Expr, J Bone Miner Res, AIDS Res Hum Retroviruses, Endocrinology, and J Cell Biol. When she finishes her residency training in 2011, Dr. Wu plans to start a Hematopathology Fellowship.

From the Pathology Residency Program

Dr. Meredith Lakey completed her residency training at UAB in June, 2008, after receiving her M.D. degree from LSUHSC-Shreveport in Shreveport, Louisiana, in 2002. With inspiration from Dr. Vishnu Reddy, she completed a Hematopathology Fellowship at the Mayo Clinic in Rochester, Minnesota. She is currently doing a Surgical Pathology Fellowship, as a junior faculty member, at Johns Hopkins Hospital in Baltimore, Maryland. After she completes this fellowship year, Dr. Lakey plans to seek permanent employment.

From the Chief Residents...

Goodbyes and Congratulations

As the academic year begins we’d like to take time to welcome our new residents and fellows who are settling in and have done a great job in transitioning to our program. Thanks to all the residents and faculty who have worked so hard in getting everyone up to speed.

Mark Steciuk and Amanda Crowe
Chief Residents, 2009-2010

From the Chief Residents

Dr. Wu returned to UAB as Pathology Resident.

Anatomical Pathology. Congratulations and thank you to Dr. Aleador Andea who won the Leonard H. Robinson Award for Excellence in Resident Education in Anatomic Pathology and to Dr. Marisa Marques who won the Shu T. Huang Award for Excellence in Laboratory Medicine Education. Thanks to everyone for your hard work and dedication. A special thanks goes out to Karen Lewis for organizing the event, and to the 2008-2009 Chief Residents, Diane Peterson and Jeremy Henderson.
Advocacy Training

At UAB we are proud to train not only excellent physicians but also excellent citizens and active members of the community. In these troubled economic times it is more important than ever that physicians make their voices heard in shaping the national debate on health care reform. Congratulations to the following residents who all took time to receive advocacy training and helped convey the interests of pathologists to our elected representatives.

Virginia Dailey, Elizabeth Kerr, and Marian Kraemer attended the CAP Advocacy School in Washington D.C. this past May. There they received training and experience in advocating for the interests of pathologists. Just recently they put their training to work, attending a town hall meeting in Birmingham with Representative Artur Davis, the Democratic representative to the U.S. House from Alabama’s seventh district.

Amberly Nunez attended ASCP Capitol Hill Day in April in Washington D.C. There she received advocacy training and met with staffers from the offices of Senator Richard Shelby, the Republican senior senator from Alabama, Senator Jeff Sessions, the Republican junior senator from Alabama, and Representative Artur Davis, the Democratic representative to the U.S. House from Alabama’s seventh district.

Publications and Presentations

Research is not a required part of our resident training program. Nevertheless a large percentage of our residents opt to do research on an ongoing basis in addition to their clinical responsibilities. In the past year UAB Pathology residents presented 27 abstracts at national meetings and produced 16 publications. Congratulations to all the residents for their hard work and thank you to the faculty for their help in fostering the academic interests of our residents and providing extensive opportunities and resources.

ACLPs Meeting 2009


From the Chief Residents Cont’d....
From the Chief Residents cont’d...

Marian, Ginny, and Liz at CAP Advocacy School in Washington, D.C.

Amberly with her poster at the ACLPS annual meeting.

Emily with her poster at the ACLPS annual meeting.

Darrell, Amberly, and Emily at ACLPS
Awards:

**Angela Gullard:** Received an American Association for Dental Research Student Research Fellowship for her research proposal "Altered Dentin Matrix Protein Expression in Hyperactivated TGFbeta-1 Mouse CED Model".

**Erin McCoy:** Voted the Outstanding Molecular and Cellular Pathology Graduate Student for Service. Erin was also awarded the Carmichael Scholarship in June 2009.

**Jessica Brenneman:** Received an American Heart Association Pre-doctoral Fellowship.

**Lidong Zhai:** Received a travel award from the Shock meeting for his abstract "the Separation of TNF-alpha and Reactive Oxygen Species (ROS) on Acute Insulin Resistance Following Trauma and Hemorrhage" in June 2009.

**Saman Khaled:** Received a $500 Scholars-in-Training (SIT) Travel Award to the Radiation Research Society Annual Meeting, to be held in Savannah, GA. A total of 145 SIT abstracts were submitted for consideration.

**Saman also submitted an abstract to the Radiation Research Society entitled** "Monocytic Adhesion to Human Aortic Endothelium Depends on Dose, Quality, and Time after Irradiation" which was accepted for both a poster presentation and a mini-symposium at the 55th Annual Meeting in Savannah, GA.

**Dario Vitturi:** Received a travel award at the 3rd Role of Nitrite in Physiology, Pathophysiology and Therapeutics Meeting for his abstract entitled "Sodium Nitrite Prevents Hypertension Associated with the Hemoglobin-based Blood Substitute HBOC-201".

**Brian Dranka:** Received the "Most Outstanding Graduate Student Award". This was awarded by the Graduate School.

**Melissa Roden:** received 3rd Place School of Dentistry Scholars Symposium—Advanced Basic Science Category.

**Melissa was also a student participant in the 2008 ADA/Dentsply Student Clinician Research Program at the ADA Meeting in San Antonio, Texas.

**Anne Diers:** Received a travel grant to attend the AACR Annual Meeting in Denver from the Susan G. Komen for the Cure North Alabama Affiliate.

**Scott Tanner:** Received a travel grant for the International Congress of Mucosal Immunology Pre-Congress Workshop.

**Shaoning Jiang:** Received both a DRTC travel award and a GSA travel award.

**Mahendra Mavalli:** Thesis work was accepted for an oral presentation at The Endocrine Society’s 91st Annual meeting in Washington, DC for his abstract entitled "Disruption of Growth Hormone Receptor in Mouse Skeletal Muscle Induces Myofiber Type Switching, Reduces Muscle Strength and Increases Body Fat".

**Blake Zelickson:** Appointed to the Cardiovascular Pathophysiology T32 Training Grant.


**Vitturi DA, Krzywinsky D, Postlethwait EM, Patel RP. Chapter 12 in Redox Signaling and Regulation in Biology and Medicine. Jacob C and Winyard PG (eds.). Wiley-VCH, 2009.**

**Paillero MA, Roden MT, Chen Y-F, Anderson PG, Lemons J, Brott BC, Murphy-Ullrich JE. Stainless Steel Ions Stimulate Increased Thrombospondin1-Dependent TGF-(beta) Activation by Vascular Smooth
Publications cont’d:


General News:
The MCP Graduate Program held its annual summer picnic May 30, 2009 under the pavilion at Wald Park in Vestavia Hills. We enjoyed catering from Jim ‘N Nicks, the annual student/faculty kickball game and the award presentation for 2008-2009 achievements.

Awards received:

**Dr. Danny Welch** – Voted Most Outstanding Faculty of the Year by the MCP Graduate Students in appreciation for leadership and dedication to graduate student education.

**Thomas Bodenstine** – In appreciation for outstanding service as 2008-2009 Presiding Officer

**Jason Ashley** – In appreciation for outstanding service as 2008-2009 Vice Presiding Officer

**Erin McCoy** – Voted Most Outstanding MCP Graduate Student of the Year by the MCP graduate students for outstanding leadership and service.

**Recognized Brian Dranka** – Awarded the Most Outstanding Pathology Graduate Student by the Graduate School.

Thank you to all that came out and enjoyed the fun and we hope to see everyone there again next year!
Pathology Grant Awards

The following grants were recently awarded to pathology faculty:

**KEVIN A. ROTH**
NIH
Multi-Modal Lysosomotropic Death Therapy for Malignant Peripheral Nerve Sheath Tumors
$729,224  5/1/09-4/30/12

**DANNY WELCH**
NIH/Morehouse/Tuskegee
Morehouse School of Med/Tuskegee Univ/UAB CCC Partnership
$56,652  *curr yr 5/1/09-4/30/12

**VICTOR DARLEY-USMAR**
Seahorse Bioscience
Collaborative Agreement Between Victor Darley-Usmar (UAB) and Seahorse Bioscience
$63,141  6/1/09-5/31/10

**ANDRA FROST**
DOD
Primary Cilia in Breast Cancer Progression
$362,500  6/1/09-5/31/11

**JAY M. MCDONALD**
UAB/CCC CPDG Program
Novel Strategies for Sensitizing Tumor Cells to FAS-Mediated Apoptosis
$25,000  3/1/09-2/28/10

**YABING CHEN**
NIH
Molecular Signaling in Oxidative Stress-Induced Vascular Calcification
$1,846,399  4/1/09-3/31/14

**JOANNE MURPHY-ULLRICH**
UAB DRTC
Predictive Molecular Markers of Colorectal Cancer
$20,000  8/15/09-8/14/10

If anyone has any news items, accolades, etc. to be put in the quarterly newsletter, please send it to the Path In Focus e-mail address at: pathinfocus@uab.edu.

Thank you.