Phyllis Muellenberg Continues to Contribute After Retirement

An icon in her field, Phyllis Muellenberg, Director of the UNMC School of Allied Health's Clinical Laboratory Science Program (formerly Medical Technology Program), retired after 22 years of service. Her passion continues, however, as she will continue to supervise a special grant to develop more bioterrorism response curricula at UNMC.

“Phyllis has been a medical technology educator for the majority of her life. She exhibits an exemplary, conscientious approach to education. When she came to become our Program Director, under her guidance, Clinical Laboratory Science students who seemed ‘average’ were made to excel. Phyllis has made a difference in so many of the lives of her students. The program has continued to improve under her leadership, even though she is already excellent. I firmly believe that we now have the best Clinical Laboratory Science program in the county. We thank you, Phyllis, for a job well done.” said Dr. James Newland.

Phyllis Muellenberg, MA, MT (ASCP)

Mary Haven Retired

Thirty-seven years after joining UNMC as a clinical chemist and serving the last ten of those years as Associate Dean of UNMC’s School of Allied Health Professions, Mary Haven was prepared to retire.

“During her tenure at UNMC, Mary was a part of the gyroscope that kept our department, the clinical laboratory, and the Allied Health programs on course. We have all been educated through one venue or another by Mary. I have personally enjoyed working with her both in the department and the College of Medicine over the years,” says Vice-Chairman, Dr. Rodney Markin.

As a result of her dedication and hard work, the distance learning programs have expanded beyond that of most allied health schools and colleges. Four programs are offered by distance learning: medical technology, radiation therapy, radiography and cytotechnology.

Haven became nationally recognized for her work and research in clinical chemistry and her contributions to education. “She is one of the most impressive individuals I have known,” declared department chair Dr. Sam Cohen.

Haven intends to stay involved with international programs at the medical center and plans to travel with her husband, UNMC Ophthalmologist Gerald Christensen, M.D.

“Mary is a friend of nearly 40 years. She came to our clinical laboratory as a clinical chemist in the 1970s and immediately established herself as a thoughtful, careful, and respected professional. She was superb at setting up and evaluating new laboratory tests and equipment. Mary possesses good common sense coupled with a charming, friendly personality, and the ability to work with and supervise others. She made the perfect Associate Dean for Allied Health. Just look at what Allied Health has accomplished! Thank you, Mary, for all you have done and all you have been to us.” said Dr. James Newland.

Mary Haven, MS, FASAHP

“Phyllis are Mary are two of the most remarkable people I have known and had the good fortune to have as colleagues. They both have tremendous vision for their areas of interest and know how to realize that vision.”

Dr. Sam Cohen

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Phyllis Muellenberg, MA, MT (ASCP)

Mary Haven Retired

Phyllis Muellenberg, MS, FASAHP

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Letter from the Chairman

Happy New Year!

2005 was a challenging and exciting year, productive for both the Department and me personally. Our education programs continued to evolve, and importantly, our residency was again accredited for five years. We have also decided to expand the number of residents in our program and are investigating the possibility of developing a surgical pathology fellowship. The research efforts of the Department continue to expand in several directions, with extramural funding growing to approximately $12.5 million per annum. Clinical programs also continue to grow, with outside consults reaching five thousand cases this year. Excitingly, the new Clinical Center of Excellence building is opening, with new surgical suites and a new frozen section laboratory for us. Congratulations to all the faculty and staff that have made these accomplishments possible.

This past year we added several new faculty, and are now in the process of recruiting four additional faculty positions. The coming year offers numerous challenges and opportunities which will be pursued vigorously. These are exciting times in medicine, pathology, and in biomedical research, of which we are privileged to be active participants.

I wish you the best of health and success in the New Year.

Samuel M. Cohen, M.D., Ph.D.

Promotions(*) and New Hires

Kara Brown  Secretarial Specialist  Michelle Ngamelue  Research Technologist
Jennifer Endres  Research Technologist I  Peter Oldenburg  Post-doc Fellow
Vicki Herrera  Lab Assistant  Colene Splichal  Client Service Rep.
Carolyn McKinley  Staff Assistant

Faculty & Staff Service

Mary Newcomb  25 Years of Service  Rakesh Singh, Ph.D.  10 Years of Service
William West  20 Years of Service  Richard Murcek  10 Years of Service
James Wisecarver  15 Years of Service

Special Announcements

Recognitions:
- The Research and Development Committee has selected Rakesh Singh, Ph.D. as the recipient of the 2006 College of Medicine Joseph P. Gilmore Outstanding Investigator Award. The award reception is March 3, 2006 at 3:30 pm at Eppley Science Hall Amphitheater.
- Dr. Mavis Fletcher will be the new Resident Director as of April 1, 2006.
- Dr. Kerry Bernal will be the new associate director of the M2 teaching program as of April 1, 2006.
- Dr. John Baker will be the new director of the autopsy service.
- Dr. John Chan has been named the Vickery Professor effective January 1, 2006.

Fellowships:
- In honor of Phyllis Muellenberg, the pathologists of the University Medical Associates have donated $10,000 to establish a graduate fellowship in Clinical Laboratory Sciences.
- In honor of Mary Haven, the pathologists of the University Medical Associates have donated $10,000 to establish a graduate fellowship in Clinical Laboratory Sciences.

Grants:
- Steve Hinrichs - Neurotoxin Mitigation - 10/21/05 - 11/21/06 - $881,998 - Awarded by: US Army
- Peter Iwen - Dade Microscan - Synergies Plus Gram Positive, Panel C - 11/2/05 - 4/30/06 -
Medical Technology Division is Renamed

The UNMC School of Allied Health Professions’ (SAHP) former Division of Medical Technology has been renamed the Clinical Laboratory Science (CLS) Program.

Linda Fell, newly named director of the CLS Program, said the name change brings SAHP in line with the national trend to provide a more descriptive program name for potential students and graduates.

In addition to the name change, the program received a continuing seven-year accreditation, the maximum awarded for accreditation, from the National Accrediting Agency for Clinical Laboratory Sciences.

Clinical Laboratory Science Program In-Depth

Linda Fell, newly named director, speaks about the CLS Program:

Our profession is evolving and there are unprecedented opportunities for new CLS graduates. It is thus a big responsibility to prepare graduates to work in molecular diagnostics, proteomics, clinical consultation, epidemiology, informatics and laboratory management. I have been privileged to be involved in these advancements through my work at UNMC and at the national level.

We at UNMC have an outstanding educational product that we should share with others for the sake of our profession. Our program is nationally known for distance education. This began in 1992 when I was hired to develop new clinical affiliate sites across Nebraska. This model has been very successful and has been imitated throughout the country. We currently have nine clinical affiliate sites who host students for 38 weeks each year. The UNMC contract with the University of Missouri is a model for further expansion of our CLS program into the region. The CLS Program has added a degree completion program whereby associate-degreed laboratory technicians can earn their BSCLS through distance education. I serve as the Co-Project Director for CLS on this Career Advancement through Distance Education Technology (CADET) project.

I am currently in discussions with the University of Iowa Hospitals and Clinics, the University of Colorado, Colorado Springs and the Mayo Clinic Clinical Laboratory Science Program concerning expansion of our distance education program.

CLS education is very expensive because of the clinical component and the level of expertise needed to teach specialized course work. Many hospital-based programs have closed due to the expense. I would offer our didactic courses to these programs in our region that could benefit from sharing curriculum, while working to add clinical affiliates in educationally underserved areas.

Incorporation of research is a future direction for the UNMC Clinical Laboratory Science Program, as well as other university-based CLS programs. UNMC must do this to remain economically viable. Efforts have been made through campus requests to support a funded researcher in infectious disease/molecular diagnostics who will be a faculty member in the CLS program. I am currently on a work group with other educators in ASCLS to support such efforts on the national level. An avenue for additional revenue lies in the offering of a Research Track for CLS and other baccalaureate prepared students who wish to earn certification in research technology. This is especially important for UNMC as there is a need for more than 400 research technologists on this campus.

The acute shortage of baccalaureate-prepared clinical laboratory scientists must be an important focus for the CLS program. This shortage makes it essential that we expand our education into other regions. We must be more proactive in recruiting young people into the profession throughout the country.

Academic Preparation:

I earned a Bachelor of Science in Medical Technology in 1969 from Creighton University in Omaha, Nebraska, followed by a Master’s Degree in Pathology from the University of Nebraska Medical Center in 1976. I am certified as a medical technologist by the American Society for Clinical Pathology (ASCP) Board of Registry. I also hold specialty certification in Hematology.

Experience in Program Administration:

I have worked over 13 years as a program official (4.5 years as Rural Clinical Coordinator, 9 years as Education Coordinator/Associate Program Director) in the Division of Medical Technology (now the Clinical Laboratory Science Program) at UNMC.
UNMC will continue to develop interdisciplinary bioterrorism-related curricula for its students and for health care students across the United States, with the renewal of a grant that it first received in 2003.

The Health Resources and Services Administration (HRSA) Bioterrorism Training and Curriculum Development Program (BTCDCP) announced recently that it had awarded UNMC with a three-year, $600,000 grant to develop the curricula. The UNMC project was one of three from the original 13 projects to receive another round of funding.

Phyllis Muellenberg is the director and the primary investigator for the grant. Muellenberg said the key to the project’s success was the cooperation among all UNMC colleges as well as excellent information technology support.

Muellenberg states that every single college is using the curricula in some manner. The goal of the project is to have all health profession graduates be better prepared to serve effective members of an interdisciplinary team response to any public health emergency.

Muellenberg wants to prepare the graduates to be ready for work in a teamwork setting if there is a bioterrorism event. By knowing what other people do, they can work more effectively to treat patients and to lessen the effects of the bioterrorism event.

The development and evaluation of the modules have involved more than 100 faculty members. All of the curricula being developed are Web-based, with eight modules covering different areas of bioterrorism preparedness or public health emergencies. They involve topics ranging from response to a bomb to challenges of an avian influenza pandemic.

The new funding will expand the current program. It will address application, problem solving and psychomotor skills development in workshops and simulation exercises. Computer software attached to lifelike mannequins will allow students to treat a “patient” during simulation exercises. The project also will support the participation of students in state sponsored disaster preparedness drills and continued enhancement and use of the modules already developed.

“The goal of the project is to have all health profession graduates be better prepared to serve as effective members of an interdisciplinary team response to any public health emergency.”

Dr. Johansson Named Vickery Chair

Sonny Johansson, M.D., Ph.D. has been named the first recipient of the Amelia F. and Austin L. Vickery Jr., Chair in Pathology.

Dr. Austin Vickery was a 1943 graduate of the Nebraska College of Medicine and became a world-renowned pathologist specializing in surgical pathology and thyroid pathology.

Dr. Austin Vickery died earlier this year. Before his death, Dr. Vickery donated nearly $1.5 million to the UNMC College of Medicine with the intention of creating an endowed chair and professorship.

“Dr. Vickery had a long and distinguished career at Massachusetts General Hospital and Harvard University as an outstanding surgical pathologist specializing in thyroid pathology,” said Samuel Cohen, M.D., Ph.D. “He was well known for his diagnostic acumen as well as his contributions to research. Dr. Johansson exemplifies both of these characteristics as well.”

Dr. Johansson assumed the Chair on July 1, 2005. He has served as professor of the department of pathology and microbiology since coming to UNMC in 1985 from the University of Goteborg, Sweden. He is the director of anatomic pathology and is a world-renowned surgical and experimental pathologist, specializing in urologic pathology, the pathology of soft tissue and bone tumors, and head and neck pathology.

Dr. Johansson has published extensively in both clinical investigations and in basic research. He is best known for his seminal work in phenacetin-containing analgesic-induced urothelial cancer, research he began while still a resident. His research ultimately led to the banning of phenacetin as a component of analgesics in the 1980s.

Dr. Johansson is also well known for his research on interstitial cystitis, snuff-induced squamous cell cancer of the oral cavity and numerous aspects of the pathology and clinical investigations of a variety of urologic tumors and other lesions.

“Being chosen for the Vickery chair was unexpected,” stated Dr. Johansson. “It will allow me to spend five more years doing what I like most---surgical pathology and teaching the residents this difficult topic.”

Dr. Johansson said the extra funds allow him to extend his research efforts and also invite top-notch researchers and physicians to speak at UNMC. Dr. Victor Reuter, M.D., of Sloan-Kettering Memorial Cancer Center in New York, is already scheduled to speak in April.

Dr. Reuter will give a presentation to the Nebraska Association of Pathologists on testicular tumors followed by a slide-presentation seminar on urologic pathology to UNMC residents.
GRADUATE PROGRAM

2005 PATH/MICRO GRADUATES:


Scott Koepsell (Ph.D.): June 22, 2005– Advisor: Dr. Steven Hinrichs. “Biochemical investigations of the bacterial primase and helicase”. Destination: Return to medical school at UNMC.


Travis J. Henry (Ph.D.): September 6, 2005– Advisor: Dr. Steven Hinrichs. “Activation of HTLV by mutated tax and differential signaling of CD4+ lymphocytes stimulated by superantigen”. Destination: Postdoc in laboratory of James Lee, Mayo Clinic, Scottsdale, AZ.


AWARDS RECEIVED:

The 36th Midwest Student Biomedical Research Forum– February 18 & 19, 2005

Tiana McCoy: 1st Place Graduate Student Poster ($500); Ben Swanson– 2nd Place Graduate Student Oral ($500); Heth Turnquist– 3rd Place Graduate Student Oral ($100);

Michael Olson received the Jeanette Wilkins Award for best basic science paper presented at the Musculo Skeletal Infection Society Conference August 4-5. Michael received a certificate and $1,000.

Anguraj Sadanandam received a CAP Foundation Conference Travel Award to attend the 10th Annual APIH Conference August 24-26. Anguraj received a $1,500 award.

SUMMARY OF APPLICATIONS:

Completed applications: Ph.D. = 16; M.S. = 3

Number of applicants accepted: Ph.D.=5; M.S. = 1

RESIDENT’S CORNER

The residency program received welcome news in early December that the Pathology Residency Program had been granted Continued Full Accreditation for five years, the maximum length of time! It was a long wait since the ACGME site visitor was here in the department last February, but the good news helped offset the wait.

The Pathology Residency Review Committee (RRC) commended the program for the good overall quality of the education provided to our residents and noted strengths in the response to the ACGME’s general competencies and outcome evaluation initiatives. We were encouraged to continue our commitment to provide high quality, well-structured resident education.

Thank you to everyone who helped with the preparation (yes, it was a lot of work and paper) and to those who participated in the site visit. Maintaining a robust residency program does indeed require group effort!

Congratulations:

An abstract by Dr. Cushman-Vokoun presented at the 2005 Annual Meeting of the American Association for Clinical Chemistry was given a Distinguished Abstract Award by the National Academy of Clinical Biochemistry. The abstract, entitled “Evaluation of Effects of Varying Hematocrit on Injected Mass of Internal Standard in Immunosuppressants Measurement by Tandem Mass Spectrometry”, was coauthored by Drs. Stickle, Cushman-Vokoun, and Landmark along with NMC Special chemistry technologist Kim Plath. The entry was one of 25 (out of a total 830 meeting abstracts) selected for this award.
Gram-Positive Pathogenesis

UNMC was the meeting place on October 27th and 28th for several researchers in the region from various universities including UNMC, UNL, Creighton University School of Medicine, University of Arkansas for Medical Sciences, and University of South Dakota School of Medicine.

The meeting came about because Kenneth Bayles, Ph.D., of UNMC, recognized that there was a strength in Gram-Positive pathogenesis research in the region. The goal of the meeting was to bring together researchers to exchange ideas and expertise on a variety of Gram-Positive pathogens.

The meeting went very well with much enthusiasm to continue meeting on a monthly basis via teleconferencing and twice per year face-to-face. The ultimate goals are to establish a Center for Bacterial Pathogenesis Research and to establish an annual international conference focused on Gram-Positive pathogens in Omaha.

Members of the research group include: Ken Bayles, Ph.D., Paul Dunman, Ph.D., Paul Fey, Ph.D., Steve Hinrichs, M.D., Mark Rupp, M.D., Kelly Rice, Ph.D., Toyin Asojo, Ph.D., all of UNMC, as well as Rich Goering, Ph.D., of Creighton University, Greg Somerville, Ph.D., Andy Benson, Ph.D., Robert Powers, Ph.D., all of UNL, Keith Weaver, Ph.D., Mike Chaussee, Ph.D., Indranil Biswas, Ph.D., Adhar Manna, Ph.D., all of University of South Dakota School of Medicine, Mark Smeltzer, Ph.D., and Helmut Hirt, Ph.D., of Kansas State University.

Students Alliance for Global Health (SAGH)

SAGH passed a reindeer around as a fundraiser for a medical service trip to Costa Rica. The trip is one of the four trips sponsored by SAGH which gives students of all disciplines the opportunity to travel to serve a medically underserved country.

The Costa Rica trip is in its pioneering year, scheduled to leave on March 11th, 2006. There are a total of 16 students from the colleges of medicine, pharmacy, nursing, and graduate studies going to work with the people of Costa Rica. They will be educating people on common health problems encountered in their country, touring local health facilities, learning about the Costa Rican health care ministry, and examining some school age children to help monitor their health (height, weight, visual acuity, etc.).

“Our goal is to emphasize preventive medicine,” says trip leader Evan Pike. “Our group is going to blaze the trail for future student groups to be able to return to do more extensive health service activities.” Fundraising is the students responsibility in an effort to help defray the costs of the trip. It is estimated to cost $1500/student for the trip. The group hopes to raise at least $500 per student to reduce the cost. To date, the estimated amount raised is $400.

Donations can be made to the Student Alliance for Global Health office via campus mail (zip 5735) denoting “Costa Rica” on the donation.

Ty and Julie Moreno Adopt Two Beautiful Girls

The adoption of Ashley and Sabrina Moreno was finalized on December 13, 2005.

Upcoming Events:

• Department Baby Party; March 21st, 2006; 3:00—5:00 PM; Private Dining Room C.
• Department Picnic at the Henry Doorly Zoo will be July 22, 2006.

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