



Tech's Talk

Spring 2017

Farewell to Rochester Campus

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Goodbye to Grace Mary Ederer

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Join Us at the MLS Alumni Banquet

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From the Director



Welcome to the 2017 edition of *Tech's Talk*. 2016 has been another busy year for the MLS program as we make progress on all fronts!

This year, Dr. Stephen Wiesner and I were both inducted as Fellows into the Association of Clinical Scientists. The

ACS was formed in 1949 by a group of physicians and scientists from the various fields of laboratory medicine. The Association of Clinical Scientists is a sponsor of the American Board of Clinical Chemistry and a member of the Intersociety Pathology Council. This honor along with other awards faculty earned this past year is recognition of the quality of the MLS program at the University of Minnesota.

We continue to work with students and faculty from our academic affiliates of MSU-Mankato, St. Cloud State, and University of Wisconsin, River Falls. This year we initiated an early admissions and acceptance process with our academic affiliates. Early admission processing helps students plan better for their next academic year, keeps the UM program competitive with other regional MLS programs, allows us to mentor our future students along the way. This year we were able to confirm early admission for 13 students through this process. We hope to add more academic affiliates in the near future.

A big change which we began in 2016 was the phasing out of our Rochester/UMR campus teaching location. UMR administration made the decision to no longer offer the MLS degree option from their campus. Our last cohort of students from Rochester will finish their campus-based courses in May and will graduate in December 2017. The Program will continue to support the full enrollment model but will now teach two sections of laboratory classes on the Twin Cities campus and one large lecture section. This has required some major rearrangements of faculty and instructor resources but we're up to the challenge. (See page 5.)

This year was also the year for our NAACLS accreditation site visit. Our site visitor team was Dr. Nancy Goodyear from University of Massachusetts and Dr. Peter Hu from MD Anderson. Our self-study received no citations. We went through the vast majority of the site visit with flying colors; however we ended up with a single but significant citation for lack of fair employment processes for faculty and lack of representation on the faculty senate. Even though

this was an administrative and not a program issue, the significance of this citation resulted in our program only receiving a 5 year renewal instead of the maximum of 10 years. The good news is that because of this citation, we now have a commitment from our administration to quickly address these issues. We will submit an update to NAACLS with our progress in October 2017 which we hope will correct our citation.

As always each year we want to thank all of our alumni for their continuing financial support through donations for student scholarships. Every donation makes a difference for our students. This year we were able to give out almost \$50,000 in scholarships and financial aid to our students. As you all know our senior year of courses is very intensive with lots of time spent in laboratory courses each week. If we can help our students financially so they don't have to work, or if they must work, they can work fewer hours, it supports their success in the program. Page 8 lists the students we were able to help this year with your generous support.

Here are some of the highlights inside this edition of *Tech's Talk*:

- Reports on local, regional and national professional conferences
- Faculty win awards and recognitions from ASCLS
- New staff members – Charles (Chuck) Crain, Linda Maleitzke, and Allison Au
- Loss of a dear faculty member – Grace Mary Ederer
- Recap of the 2016 Alumni Banquet honoring the classes of 1941, 1966, and 1991
- Upcoming Alumni Banquet in 2017 honoring the graduates of 1942, 1967, and 1992
 - If you are interested in reserving a table for you and your classmates, contact Linda Maleitzke at cahpinf@umn.edu – put MLS Banquet in the subject line or call 877-334-2659

As you can see, we've had yet another very busy but also very productive and rewarding year in our program. I hope you enjoy this issue of *Tech's Talk* and hope to see you at the Alumni Dinner in April.

Warm Regards,

Janice Conway-Klaassen PhD, MT(ASCP)SM, FACS

ASCLS Annual Meeting, AMI and Clinical Lab Exposition

The 84th ASCLS Annual Meeting, Expo and Advanced Management Institute (AMI) returned to Philadelphia, PA on August 1 – 4, 2016. In addition to the usual business of the society and wonderful continuing education opportunities, we were introduced to the new ASCLS Executive Vice President, Jim Flanigan. There was a warm farewell to the outgoing Executive Vice President, Elissa Passiment. Elissa had been the EVP of ASCLS since 1995 and has been a leader and outspoken advocate for the laboratory community. There were many celebrations of her time with ASCLS throughout the week.

Several members of the Minnesota delegation were nominated or received awards:

- Student Forum Leadership Nominee – Amy Blumke
- New Professional of the Year Nominee – Jenna Pruitt
- New Professionals and New Members Forum Travel Grant – Kelley Weber
- Bio-Rad Scientific Assembly Professional Achievement Award – Jean Bauer, Laboratory Administration/Consultant/Quality/Accreditation/Industry
- Scientific Research Award – Janice Conway-Klaassen and Donna Spannaus-Martin
- Voices Under 40 Award – Karen Larson
- Theriot Award Winner – Janice Conway-Klaassen, Donna Spannaus-Martin, and Stephen Wiesner
- Constituent Society Member of the Year – Susan Iddings



Fun new social events were added this year including reservations to several local restaurants. It was a great opportunity to network with new people and see some of the city. The other new social event was a pub crawl. There were several options to choose from, each with a theme, and included visits to five local night spots. Even though the pub crawl was on a Monday night it was well attended and a lot of fun! ■

**Save the date for the
85th ASCLS meeting
to be held July 30 –
August 3, 2017
in San Diego, CA.**

CLEC 2016

What an amazing conference we had! We had an excellent turn-out and our second largest CLEC with 490 attendees, 29 exhibitors and 14 sponsors. Because the first CLEC was held in Minneapolis in 1985, this year's slogan welcomed the laboratory educators 'Back to Our Roots'. Drs. Janice Conway-Klaassen and Donna Spannaus-Martin served as Co-Chairs for CLEC 2016.

The opening keynote by Drs. Cathy Otto and Karen Golemboski provided a great discussion of what patient safety competencies mean to laboratory practice and how we must provide the right test at the right time, each and every time. We also had excellent general sessions on Writing in the Curriculum by Pam Flash from the University of Minnesota's Writing Center and Invasion of the Brain Snatchers by Dr. Kathy Doig about the impact of electronic devices on student learning. The Program Committee worked diligently to provide a well-blended

offering of Hot Topics, Lunch 'n' Learns, and Concurrent Session speakers to share their expertise in and out of the classroom. Updates were also presented by representatives from NAACLS and the BOC.

Saturday sessions allowed attendees to discuss the Entry Level Curriculum (ELC). Participants from the community were also invited to work with educators to define and refine the ELC. Participants separated into discipline teams for hematology/hemostasis, chemistry, immunohematology/immunology, and microbiology for the first round of discussions. Discussion groups for the last hour of the morning consisted of phlebotomy, molecular diagnostics, renal/urinalysis, and general/administration/education.



(CLEC 2016 Continued on Page 4)



ASCLS Region V Fall Symposium

The ASCLS Region V Fall Symposium was held in October at the Baymont Inn and Suites in Fargo, ND. There were 10 breakout

sessions and three keynote speakers including the new ASCLS Executive Vice President, Jim Flanigan.

Jim gave a wonderful closing keynote and left us all with a lot to think about for the future of our profession. There were participants from all four states in the Region and they found opportunities for

continuing education, professional and personal growth and networking.

The Region V Symposium is also host to the Region V Leadership Academy. The leadership academy provides guidance, education and resources to prepare ASCLS members for leadership roles in ASCLS within the profession and the workplace. This year the 3rd class of the ASCLS Region V Leadership Academy graduated at the end of the meeting. ■

Save the Date!! The ASCLS Region V Fall Symposium will be held at the Downtown Holiday Inn in Sioux Falls, SD, October 5-6, 2017.



Writing in the MLS Curriculum

The Medical Laboratory Sciences Program has been making great strides as faculty work towards the goal of improving student writing in the discipline. In June 2016, Donna Spannaus-Martin headed to Ann Arbor, Michigan for the 13th International Writing Across the Curriculum (IWAC) Conference.

While there, she summarized her work with MLS faculty Janice Conway-Klaassen, Charlotte Romain, and Lorna Ruskin in a presentation titled "Development of a Strategic Writing Plan for Multilingual and Native English Speaking Students in a Medical Laboratory Curriculum." She also attended talks on teaching writing to diverse student groups, supporting instructors in discipline-based writing

instruction, and strategies for developing a common rubric for assessing student writing.

MLS faculty used these concepts in the fall to develop the third edition of the MLS writing plan. In this edition of the MLS writing plan, faculty focused on developing a common grading rubric so students have a consistent message concerning the writing expectations in the MLS Program. Faculty will also be spending the next several semesters developing writing assignments specifically designed to help students learn course material and scaffold assignments in a way that develops specific students' writing skills. The MLS Program was awarded \$14,800 by the Office of Undergraduate Education to assist faculty in implementing the goals of the MLS writing plan. ■



CLEC 2016 (continued from Page 3)

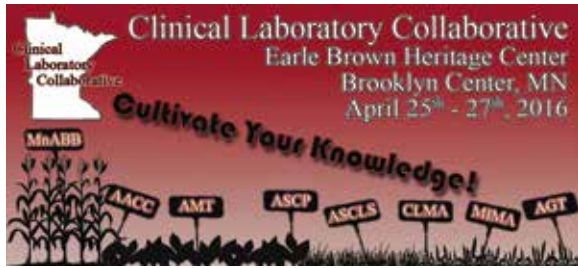
The ELC Committee prepared an updated version of the ELC for both MLTs and MLSs which is available on the ASCLS website.

Friday evening's social event was hosted by Sporcle; an interactive team-based trivia game. We had the chance to share some laughs and test our knowledge of a wide range of trivia topics inside and outside of the lab with prizes along the way.

In addition to a great program, we had opportunities to meet with great exhibitors and network with laboratory educators and colleagues. Conference attendees were also able to enjoy the spring-like weather with abundant sunshine and temperatures in the 60s each day allowing everyone to get outside for shopping, museums, and restaurants. It seems like everyone had a great experience and we look forward to CLEC 2017 in Boston. ■

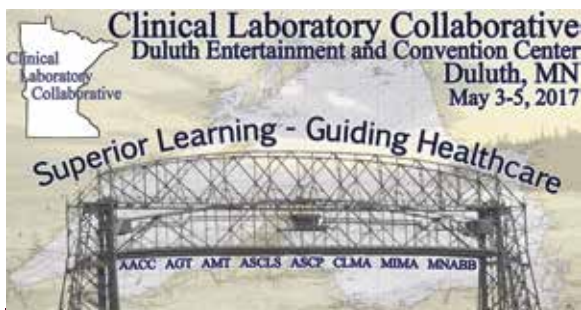


Minnesota Clinical Laboratory Collaborative – April 2016



The annual Clinical Laboratory Collaborative meeting took place at the Earle Brown Heritage Center in Brooklyn Center on April 25-27, 2016. The three day meeting included several changes to the normal format including Monday being dedicated to half-day workshops. In response to exhibitor requests, the exhibits were held on Tuesday and Wednesday rather than all three days. Eight half-day workshops were offered on Monday across a breadth of topics. Tuesday and Wednesday included 32 hourly sessions and two keynote speakers. The meeting also welcomed MnABB back to the list of organization partners which includes ASCLS-MN, ASCP, MN AMT, CLMA-MN, AACC-Midwest Section, MIMA and AGT.

The community charity sponsored this year was Community Emergency Assistance Programs of MN. CEAP is a social services non-profit agency serving Northwest Hennepin and Anoka Counties. Their mission is to help families, in all stages of life, gain stability and maximize their ability to live independently and with dignity. The silent auction had another successful year raising funds for student scholarships. ■



Save the date for Duluth in 2017.
The meeting will be May 3 – 5,
2017 at the Duluth Entertainment
Convention Center.

Medical Laboratory Sciences at the Great Minnesota Get Together!

This was the second year that the Center for Allied Health Programs was invited to participate in “The Great Minnesota Get-Together.” The Medical Laboratory Sciences and Occupational Therapy programs shared a booth space in the University of Minnesota Central Building on August 29, 2016.



Fair goers learned that Medical Laboratory Scientists comprise the 3rd largest group of health care professionals and play a vital role in the detection, diagnosis and treatment of diseases as well as monitoring and maintaining patient health. Visitors were able to try their hand at matching chromosomes and learn about the cytogenetics discipline. Faculty enjoyed meeting with alumni, current students and hopefully future Medical Laboratory Scientists. See you at the fair in 2017. ■

Farewell to the Rochester Campus

Writing this article was bittersweet as it is the last Rochester update. As many of you have heard, the MLS program is closing on the Rochester campus. This was a decision made by the Rochester campus administration, and the last MLS classes offered on the Rochester campus will be the spring 2017 semester. *By Andrew Yue*

I have been lucky enough to be part of the Rochester program from the beginning (2008) and I am very proud of what the program has accomplished. Over 130 students have graduated from the Rochester program and we have brought awareness to the profession in an area that was underserved. When the program started in Rochester, the majority of the students were not from the Rochester area (not even from the southern part of the state). However the demographics of the students changed over time, and now most of the students are from the Rochester area or the southern part of the state.

With the departure from the Rochester campus just around the corner, I would like to thank the faculty, staff, supporters, affiliates and the students for making this a great experience. Happily, the University of Minnesota MLS journey for Nicole Zahnle and me does not end with the closure of the Rochester campus. Both of us are pleased that we will continue teaching on the Twin Cities campus and are eager to begin a new chapter in our careers and the MLS program. ■



Spotlight on Students



**CHELSEY MCINTYRE –
Rochester Year 4 MLS**

Chelsey grew up in a small town located in the north woods of Wisconsin. She has attended the University of Wisconsin River Falls (UWRF) for the last three years pursuing a degree in biology with a minor in chemistry.

Upon hearing about the UMN MLS program from her UWRF advisor, she is now completing her degree requirements at the UMN Rochester campus while earning a certification in MLS. Chelsey chose MLS because she loves the medical field and doing lab work. She finds the field interesting because it allows you to learn so much about the body by looking at the blood, urine and other specimen samples. She hopes to work in a rural community in Wisconsin. However, she is open to wherever her MLS career will lead her in the future. ■



AMANDA STROMBACK was born in Winona, but moved to Duluth when she was thirteen years old. Amanda swims in a triathlon relay competition with her mom and sister every year. After graduation she hopes to start paddle boarding and training to complete a triathlon on her own. When

Amanda came to the University of Minnesota as a freshman, she knew she wanted to pursue a career in healthcare, but did not want to become a doctor or a nurse. Her advisor directed her to the “Orientation to Health Careers” class which introduced her to Medical Laboratory Sciences. She has always enjoyed the hands-on aspect of her laboratory classes so she did some research into the program and decided to apply. Amanda is fascinated by the diagnosis and detection of disease and looks forward to playing a critical role in the diagnostic team. She is excited to experience the real life laboratory in her clinical rotations so she can decide where to specialize. Amanda plans to start her career in the hospital laboratory setting in Minnesota. ■



PATRICK ZAHNER has lived in the Twin Cities since 1994. He moved here with his family from California. He enjoys hiking and camping, and is hoping to find time before his clinical rotations to visit Sierra Nevada again.

Patrick has a degree in Biology with a minor in secondary education from Saint John’s University. He learned about the Medical Laboratory Science profession from grading an assignment from one of his high school biology students. Patrick appreciates the fact that the medical laboratory field plays such an important role in health care decisions. Being a part of such a critical system and working on the complex problems involved in keeping it running are a large part of why he chose this field. Patrick plans to stay in Minnesota and work as a medical laboratory scientist while always seeking out opportunities to continue his education. ■



SOKAMARINT CHAK - Sokamarint (Cam) was born and raised in the suburb of Eagan, MN. His parents are both immigrants who came from Cambodia to escape from the Khmer Rouge atrocity

that occurred in the 1970’s. The sacrifices that his parents and two older brothers have made motivate him towards a successful career worthy of the investment his family and community have made in him. Cam is planning to complete a B.S. in Microbiology by taking one additional class after graduation from the MLS Program. His interest has always been in the biological sciences. After graduation, he is planning to attend graduate school and eventually a PhD in biochemistry or microbial engineering with research focuses on biotechnology. ■

Students in Action

MLS Students volunteer at Phillips Neighborhood Clinic

During the spring of 2016, MLS program students and faculty expertise was requested to operate the Phillips Neighborhood Clinic (PNC) laboratory and provide safe, quality laboratory testing for the patients served. Lindsey Hoffman, Andrew Richter, Victoria Schmitz, and Haley Vaith from the class of 2016 cohort were the first four MLS student volunteers at the Phillips Neighborhood Clinic.

The Phillips Neighborhood Clinic (PNC) is a free clinic operated by University of Minnesota health professional students with oversight by licensed clinicians. The PNC was started 13 years ago



by Dr. John Song who saw an opportunity for students to provide care for uninsured and

underinsured patients in Minneapolis and surrounding communities. Since its initiation, the clinic has evolved to focus on interprofessional collaboration. The clinic provides many services including a dispensing pharmacy, physical therapy, and a laboratory with limited on-site point-of-care testing.

Prior to 2016, students from other health care programs operated the laboratory at the PNC. The MLS program faculty are providing the training for the 25 (15 MLS, 10 non-MLS students) student laboratory volunteers at the PNC during the fall of 2016. Additionally, the MLS faculty are volunteering at the clinic in the preceptor role to support the laboratory volunteers, and to offer their expertise and guidance. The MLS students and faculty are excited about this opportunity to participate at the PNC, as well as to provide quality care and laboratory testing to the patients they serve. More information about the Phillips Neighborhood Clinic can be found on their website at <http://phillipsneighborhoodclinic.com/>. ■

Student “Mockteria” Plates a Hit at CLEC

The MLS Class of 2016 has been the most successful fund-raising group we have ever had. Several members of the group spent time between semesters making what they called “Mockteria” plates to sell at the Clinical Laboratory Educators Conference (CLEC) held in Minneapolis in February, 2016.



The plates and “mockteria” were made out of a liquid plastic found in craft stores, and the educators attending CLEC loved the idea of having realistic-looking culture plates that couldn’t accidentally contaminate people. These plates can be used to tell school children about the profession without the worry that one of them might stick their finger in a plate of bacteria. The students sold the plates for \$5 apiece and made about \$2,700. Students also sold T-shirts for the ASCLS Student Forum at their CLEC booth. Students purchased a variety of items for use in the Moos Tower MLS student study area including a printer and scanner. In addition, money raised will be used to allow current students and 2016 alumni to attend the upcoming MLS Alumni Banquet. ■

Scrubs, Gloves, and Microscopes

Every year the MLS program participates in various recruitment and outreach activities. One of the more successful activities is the Scrubs, Gloves, and Microscopes (SGM) program offered by the Health Career Center for high school students investigating various health careers. High school students from around the Twin Cities and surrounding areas may attend.



During these half-day sessions, the high school students rotate to different stations to learn more about the MLS role in the diagnostic testing areas of hematology, microbiology, chemistry, urinalysis, molecular diagnostics, and transfusion medicine. Currently, the MLS faculty participate in two sessions during the spring semester with approximately 30-35 students in each session. SGM is a wonderful



opportunity for faculty to demonstrate their excitement about the profession and to discuss the significant role the MLS has in healthcare. ■

The Power of Giving

Alumni play a huge role in supporting our students through generous donations to our program. Each year donations to our scholarships make it possible for students to afford textbooks needed for classroom success, meet the increasing cost of tuition, or to find temporary housing during clinical rotations in rural Minnesota. Many students would find it difficult to begin their new careers as medical laboratory scientists without such support. We want to thank everyone who generously donated in 2016 and continue to ask for your help in 2017 – no matter what the size of the donation. *Below is a listing of the students you have helped through your scholarship donations in 2016.*



Alumni Fund Scholarships

- Bridgette Kennedy
- Rachel Lee
- Jacquelyn Rogers
- Katie Rooney
- Fang Ruan
- Sarah Schneider
- Samantha Schutz
- Jacob Tieg
- Binh Vu
- Naomi Yanta

Beckman-Coulter Foundation Scholarship Fund

- Madeleine Otis

Constance Bakken Scholarship Fund

- Turri Geleto

Yvonne Chenoweth Cooke Scholarship Fund

- Shequaya Broadus
- Monica Halbur
- Madeleine Otis

Gonyea-Stewart Scholarship Fund

- Joseph Brueske
- Caitlin Bundy
- Molly Weavers
- Brooke Wilson

Karen R. Karni Scholarship Fund

- Sarah Haerle
- Christopher Junko
- Brooke Wilson

Audrey Dorsen Lapeyrouse Scholarship

- Eric Freeman

McConnell Scholarship Fund

- Yuqing Chen
- Madeleine Otis

Hovde-O'Brien Scholarship Fund

- Molly Weavers

William A. O'Brien Scholarship Fund

- Yuqing Chen
- Turri Geleto
- Molly Weavers

Clarice J. Olson Scholarship Fund

- Bridgette Kennedy
- Madeleine Otis

Abner M. Neeley Scholarship

- Abdikani Ali
- Alexandra Cappuccino
- Victoria Contreras
- Rebecca DeValk
- Jon Edmonds
- Eric Freeman
- Jamie Gendreau
- Scott Haughawout
- Rachel Lee
- Vouchly Long
- Kyle Matheson
- Chelsey McIntyre
- Nam Nguyen
- Todd Pias
- Jacqueline Salden
- Miranda Scheffler
- Victoria Schmitz
- Adam Snow
- Harumi Tanikawa
- Ka Thao
- Haley Vaith

Eleanor Parchman Memorial Scholarship



This scholarship is offered by Alpha Mu Tau Fraternity (AMTF) and the American Society for Clinical Laboratory Science Education and Research Fund. Scholarship recipients were announced during the Awards Program at the ASCLS Annual Meeting in July 2016. One of these scholarships is the **Eleanor**

Parchman Memorial Scholarship Fund which was established in 2013 by her two sons. Eleanor was very active in every phase of the ASCLS Society for many years. To many she was “simply” Ms. Credentials. This year, a University of Minnesota MLS student, **Jacquelyn Rogers**, was the winner of this prestigious scholarship. Congratulations Jacquelyn!

Thank You for Your Generous Contributions to the Medical Laboratory Sciences Program in 2016

\$1000 and up

- Stella S. Cook
- Margaret A. & Thomas M. Gabrik
- Stephen J. & Susan K. Fautsch
- Marcine J. & John E. Forrette
- Karin J. Libby/Living Trust
- Barbara J. Moser
- Ella M. Spanjers
- Verne E. & Phyllis J. Weiss

\$500 to \$999

- Joanne S. & Lee W. Arvid
- Clareyse Nelson Fund-Mpls Fdn
- Ann D. Claesgens
- David E. Ellis
- General Mills Foundation
- Todd C. & Mary E. Jacobson
- Clareyse E. Nelson
- Andrew R. Yue
- Katherine A. & Wayne J. Vagts

\$100 to \$499

- Anonymous Donor
- Frederick R. & Carol A. Arnason
- Harriet I. Brown*
- Marilyn T. Budge
- Kimberly A. & David W. Butler
- Maryann E. Calvin*
- Jacqueline A. Carlson
- Sheila M. Clough
- Robert A. Dahl
- Robin L. Donner
- Grace M. Ederer*
- Claudine E. Fasching
- Catherine L. & John W. Foster
- Linda L. Fredrickson
- Reggie L. Gausman
- Mardie G. Geiser
- Mary A. Grewe
- Marilyn R. Haglund
- Carol L. Harris
- Jacquelin A. Heggernes
- Robert P. Hirte
- Henry V. & Mary L. Holec
- Karen K. Huff
- Julie A. Jacobs
- Phyllis M. Jacobs
- Rita M. Jacobson
- Susan W. Jasperson
- Billie Anne & Howard A. Juni
- Cheryl R. Kajdan

- Karen R. Karni
- Barbara M. Koblinski
- Sridhar & Usha R. Kota
- George Kuprian
- Vickie L. Larson
- Marilyn J. Lueck
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- Betty L. McMartin
- Arlene M. Meadows
- Brian J. Meline
- Donna M. Meyer
- Diane M. Michalik
- Joleen S. Miller
- Donald M. & Kathleen W. Nadreau
- JoAnn M. Nelson
- Beverly R. Ness
- Alicia C. Nguyen
- Patricia L. Norgren
- Joan L. Novak
- Jeanne C. Olsen
- James R. & Sheryl F. Olson
- David J. Pennington
- Marilyn A. Pfister
- Marba L. Pogue
- James H. & Elberta L. Prestegard
- Thelma J. Purcelli
- Joan A. Radtke
- Kathryn L. Rantala
- Kathleen K. Reimers
- Karen L. Ringsrud
- Debra C. Rodahl
- John L. Roesler
- Ruth M. Rosendahl
- Laura G. Rude
- Gregory P. Rynders
- Norynne M. Schiminsky
- Cathleen Speer
- Kathleen B. Standing
- Erin B. Steiner
- Michael R. & Kathleen P. Tekautz
- Kent D. & Marcia K. Wall
- Marilee M. Welliver
- Kristi L. Werdin
- Joyce M. Wian*
- Donna J. Wieb
- Nancy A. Witstine
- Xcel Energy Foundation

Up to \$100

- Patricia A. Ackerman
- Joan E. Aldrich

- Priscilla M. Bormann
- Eleanore A. Bredvold
- Wanda E. Clark
- Audrey G. Cohen
- Irene D. Coran
- Virginia Crawford
- Joanne G. Deden
- Barbara M. Deisting
- Timothy E. & Carolyn E. Donovan
- Pamela R. Elliott
- Jean M. Elwell-Keir & Terry D. Keir
- Arthur T. & Kay E. Emmons
- Leanna L. Erickson
- Carol I. Evans
- Melissa Gerads
- Barbara A. Getchell
- Barbara J. Gilbert
- Joyce A. Gunderson
- Naomi M. Hanson
- Gail R. Held
- Jean E. Hulbert
- Arla K. Keckeisen
- Francene H. Lebahn
- Janice C. Lohman
- Cheryl J. Luckow
- Maureen A. Lynch
- Leslie A. MacKichan
- Barbara G. Melamed
- Marvin L. & Cynthia A. Menken
- Moberly Area Community College
- Mary Lou G. Mohn
- Judith A. Nelson
- Dorothy L. Ness-Everett
- Lucille K. Norman
- Beverly M. Osekowsky
- Sandra V. Pearson
- Cleone Peterson
- Marilyn R. Plummer
- Ronald A. & Jennifer L. Prasek
- Shelley M. Pulkrabek
- Barbara J. Reinhardt
- Pamela J. Robinett
- Dale W. & Cheryl M. Rozeboom
- Sandra L. Sauer
- Clarice M. Seim
- Lois J. & Peter M. Smith
- Patricia L. Solum
- Pamela D. Swanson
- Karla K. Vevele
- Judith A. Winter

* Deceased

If you wish to make a contribution, please visit: <https://www.alliedhealth.umn.edu/medical-laboratory-sciences> or call: U of M Foundation at 800-775-2187

ASCLS-MN Scholarship Winners

Congratulations to two University of Minnesota Medical Laboratory Sciences students who won ASCLS-MN scholarships in 2016. Scott Haughawout received a \$1,250 scholarship from the Elizabeth Panning Fund. Scott is a non-traditional student and the first person in his family to attend college. He



was a volunteer high school math tutor for high school students in a culturally and socioeconomically diverse urban Minneapolis community. He was also a research-laboratory student worker for the University of Minnesota, School of Dentistry.

The second recipient was Fang Ruan who received a \$1,000 scholarship funded by the United Hospital–Claussen fund. Fang moved to the United States from China during her second year of high school. She enjoys reading detective novels and doing art projects. She has also completed two majors in Latin and Physiology prior to enrolling in the MLS program.



Both Scott and Fang are laboratory volunteers at the Phillips Neighborhood Clinic that provides healthcare for an underserved and an economically disadvantaged community. Congratulations to both Scott and Fang on your scholarship awards! ■

Saying Goodbye to Former MLS Faculty

GRACE MARY EDERER

It is with great sadness that we said goodbye on January 7, 2017 to one of our retired faculty, Grace Mary Ederer. Grace Mary was born June 27, 1919 on Woodside Farm in Morton, Minnesota. She received a BA in Biology from the College of St. Catherine and served an internship at Providence Hospital Laboratory in Detroit, Michigan to certify as a Registered Medical Technologist. Early in her career, she was a clinical chemist at Henry Ford Hospital in Detroit for two years. As part of the war effort, she returned to the College of St. Catherine to teach chemistry lab courses to cadet nurses.

Through a family friend, Ederer heard about an opportunity at Northwestern Hospital, which later merged with Abbott, to build up a microbiology lab. Ederer pursued the job and spent the next twelve years at Northwestern Hospital building a reputable microbiology lab. Tiring of her Bunsen burner, Ederer joined the University of Minnesota in the University Hospital as an administrator of the Chemistry, Hematology, Microbiology, and blood bank labs, a position she held from 1952 to 1963. There, she developed a blueprint for a blood-mixing machine that was produced and available for purchase by laboratories. During her time at the University, Ederer also earned her Master's in public health from the School of Public Health in 1962.

In 1967, she joined the Medical Technology Faculty in the Department of Laboratory Medicine and Pathology teaching Clinical Microbiology. Her research focused primarily on the rapid identification of bacteria. She developed several rapid tests, which were published in the American Society for Microbiology and the American Society for Medical Technology. Ms. Ederer co-wrote the book, "Biochemical Tests in Diagnostic Microbiology". In 1985 she was awarded the "Kimble Methodology Award" for her work on rapid methods to identify bacteria, as well as the College of St. Catherine Alumnae Award. She retired Professor Emeritus in 1982 from the Department of Laboratory Medicine and Pathology. In retirement, she was an active volunteer for her church and the College of St. Catherine. Those who knew her best admired her contributions to the medical technology field as well as her values, fairness and encouragement to colleagues and students alike.

MLS Program Director Janice Conway-Klaassen is working with the family of Grace Mary and the University of Minnesota Foundation to restore her donation of antique and historical laboratory instruments. The collection was donated to the Medical Technology Program in 1986. Grace Mary also donated the funds to build a display cabinet for the collection from the Kimble Methodology Award. ■



Focus on Faculty & Staff



Nicole Zahnle Earns Graduate Degree

Nicole, a teaching specialist with the MLS program, earned her Master in Education graduate degree from the University of Minnesota, Duluth in May 2016.

The coursework consisted of on-line education theory and application classes with once per semester face-to-face meetings with the course faculty and cohort students. This program appealed to Nicole because she was able to take courses in a similar format to the student's she teaches in the MLS program, which has many flipped and online courses. Nicole's research interest is cooperative learning and the positive effects this teaching pedagogy has on student academic progress and social outcomes. Congratulations Nicole! ■

Donna Spannaus-Martin Goes to the Capitol



MLS is proud to announce that Donna Spannaus-Martin has been selected to represent University faculty as a faculty legislative liaison. "Faculty liaisons are the voice of the faculty of the University of Minnesota at the capitol," notes Donna.

Faculty liaisons represent over 4,000 University of Minnesota faculty from the Crookston, Duluth, Morris, Rochester, and Twin Cities campuses.

Faculty legislative liaisons are appointed each year by the president of the University of Minnesota and Faculty Consultative Committee leadership. Although separate from both the University's Office of Government and Community Relations and from the Alumni Association, the faculty liaisons communicate and coordinate with both of those offices with regard to legislative, advocacy, and messaging strategies. Thank you Donna for taking on this vital role at the University! ■

Staff Changes at the Center for Allied Health Programs

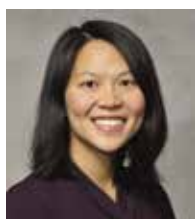
During the last year, several staff of the Center for Allied Health Programs moved onto different opportunities at the University of Minnesota. In this time of transition, we reflect on and appreciate the work of those who have moved on to other endeavors while welcoming new staff to different roles.



CHARLES W. CRAIN, JD – Admissions & Enrollment Coordinator

Chuck joined the Center for Allied Health Programs in July 2016 as the Admissions and Enrollment Coordinator. He previously worked in the Registrar's Office at St. Catherine University. He is a graduate of Eastern Illinois University and

St. Thomas University School of Law. He brings almost ten years of experience in higher education administration. In his spare time, Chuck keeps busy spending time with his wife and children and slowly renovating their turn of the century house in St. Paul.



ALLISON AU, MHSA – Operations Manager

Allison came to the Center for Allied Health Programs in October 2016 after working as an Administrative Professional in Medicine in the division of General Internal Medicine and Gastroenterology for three years. She has a bachelor of business and biochemistry from

American University, a Masters in Health Service Administration from George Washington University and a Project Management Certificate from the University of Minnesota. As Operations Manager, Allison works to support staff and faculty in their work to serve learners. Allison is an avid gardener and participates in her neighborhood community garden.



LINDA MALEITZKE – Projects Coordinator

Linda joined us in October 2016 after serving as the communications specialist and intern administrator with the Minnesota Technical Assistance Program (MnTAP) in the School of Public Health. Previous to that role, she worked as a communications manager in the Office of

Human Resources at the U of M. Linda has a bachelor of business administration from the Carlson School of Management and over 25 years' experience in communications, marketing and project management in the public, private and non-profit sectors. In her spare time, she enjoys spending time with her husband and children and volunteering in the community. ■

Thank you to the 2016 Clinical Affiliates!

During the summer and fall semesters in 2016, 34 clinical affiliates took 32 senior students for their 12-week clinical experience in the areas of chemistry/urinalysis, hematology/hemostasis, transfusion medicine, or microbiology. We are so thankful for their ongoing support of our MLS students and program. ■

*ACMC-Willmar
Allina Health System
Avera Marshall Regional
Medical Center
CentraCare Health System
Essentia Health System
Fairview Health System*

*FirstLight Health System
HealthEast Care System
HealthPartners/Park Nicollet Health System
Mayo Clinic Health System
Minneapolis VA Health Care System
Minnesota Department of Health
Northfield Hospital*

*North Memorial Medical Center
Rice Memorial Hospital
Ridgeview Medical Center
Sanford Medical Center
St. Luke's Hospital
Two Twelve Medical Center*

MLS Showcases Profession to Health Career Advisors

On June 16-18, 2016, the National Association of Advisors for the Health Professions (NAAHP) held their annual meeting in Minneapolis, and the University of Minnesota's MLS Program was there to provide information about the medical laboratory science profession to health career advisors from across the country. NAAHP is an organization of health professions advisors at colleges and universities throughout the United States and abroad.



On Friday afternoon, about thirty health career advisors attended a workshop in the MLS student laboratory and got hands-on experience in laboratory testing, including urinalysis, blood typing, cytogenetics, bacterial identification and identifying red and white blood cells. The advisors had a great time and found the information very helpful.

The Center for Allied Health Programs had a booth for the health careers fair hosted by NAAHP on Saturday. Hundreds of local high school and college students participated, and many stopped by to learn more about the University of Minnesota's MLS Program and a career in medical laboratory science. ■



New Clinical Affiliate Spotlight

During the summer and fall of 2016, 32 students completed their clinical experience at clinical sites throughout Minnesota, into Western Wisconsin, and for the first time at Sanford Health in Fargo, North Dakota. Sanford Fargo provided clinical experiences to four students from the class of 2016 in areas of hematology/hemostasis, chemistry/urinalysis, microbiology, and transfusion medicine. Thank you to Sanford for providing experiences to our students in 2016 and in the future! ■

Setting the P.A.C.E. - Clinical Experience Spotlight

With the start of the New Year in 2016, the University of Minnesota MLS Program became a P.A.C.E. approved credit provider through ASCLS and launched the first continuing education modules for preceptors and clinical experience bench educators. These modules provided training for preceptors working with professional laboratory students, as well as focusing on UMN specific requirements for MLS students.

In addition to the training modules, MLS faculty revised the clinical experience goals and objectives in 2016 to include an increased focus on the importance of effective laboratory management and operations including inventory management, laboratory information systems, and accreditation and regulation. Students completed investigative assignments during each of the four assigned clinical experiences to learn about the systems and processes in place in order to deepen their understanding of how the laboratory operates and functions. Students continue to complete a 12-week experience during the summer or fall semester following their final year of courses on campus. ■

Commencement for the Class of 2016

The Center for Allied Health Programs held its annual graduation ceremony for the Medical Laboratory Sciences and Occupational Therapy students on December 16, 2016, at Northrup Memorial Auditorium. Dr. Corey McGee, assistant professor in Occupational Therapy led the procession, carrying the ceremonial mace of the University of Minnesota, followed by faculty, distinguished guests, and graduates.



Dr. Jed Gorlin delivered the commencement address. Dr. Gorlin is a leading authority in transfusion medicine at Innovative Blood Resources where he oversees Quality and Regulatory Affairs and Physician Services, provides medical education and transfusion support to hospital partners, and carries the organization's mission and expertise to national blood centers, worldwide healthcare organizations, and prospective hospital and laboratory clients. Dr. Gorlin shared several stories of healthcare professionals and patients to highlight that "it's OK to deviate from the script; that sometimes the most interesting path is not the one you planned." He closed by noting that "life's stories often hinge on events or circumstances largely dictated by chance, so be prepared to grab hold of serendipity

by the reins and take an epic ride. Record and share your own stories as you embark on the careers ahead of you."

Jacqueline Salden delivered the student address. Jacqueline asked graduates to consider the "what" and the "why" that every graduate seems to be asked before entering into their newfound career path: What is it that you do and why did you choose the degree that you did? She noted that the what is easier to explain "as medical laboratory scientists, we are often the silent partner in healthcare...and the work we do in the laboratories is critical and directly impacts patient healthcare." She also urged the graduates to always remember why they chose the field of medical laboratory sciences "because we love science and the laboratory plus, we want to help others." She closed with a quote by John Wesley, "Do all the good you can, by all the means you can, in all the ways you can, in all the places you can. As long as ever you can."



Each student received their diploma as they walked across the stage to accept congratulatory handshakes from the Honorable Michael D. Hsu, University of Minnesota Regent; Dr. Barbara F. Brandt, Associate Vice President for Education in the Academic Health Center; and Dr. Janice Conway-Klaassen, Program Director of the Medical Laboratory Sciences Program.

A reception for the graduates, guests, faculty and staff of the Center of Allied Health Programs followed the ceremony. ■

Congratulations graduates!

CERTIFICATE IN MEDICAL LABORATORY SCIENCES RECIPIENTS

Zeinab M. Ahmed
Christopher T. Junko
Kristin E. Kruse
Madeleine A. Otis

BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES GRADUATES

Amy N. Blumke
Yuqing Chen

Qiyang Deng
Madeleine A. Otis
Turri B. Geleto
Kelsy M. Gust
Sarah M. Haerle
Helen L. Hanson-Maddix
Lindsey J. Hoffman
Kenneth B. Jombwe
Michaela M. Leary
Joseph H. Leprince
Monica L. Marolt
Alex McDowall
Quyen N.T. Nguyen
Emily H. Pham‡

Hedera L. Porter
Andrew T. Richter
Kayla B. Robey
Jacqueline N. Salden
Miranda M. Scheffler
Victoria A. Schmitz*
Adam B. Snow
Joshua A.D. Stoner
Harumi Tanikawa
Hannah M. Theisen
Haley E. Vaith
Molly R. Weavers
Brooke M. Wilson



‡ Deceased

* Graduated with Distinction

2016 Alumni Banquet

Alumni, students, and friends gathered at the University of Minnesota McNamara Alumni Center on Saturday April 23, 2016. The banquet



began with an early social hour allowing guests to mingle with classmates, students, and faculty. Program Director Janice Conway-Klaassen provided updates for the MLS Program. We had 16 alumni from the

50th Anniversary Class of 1966 who attended including: Jo Anne Biros (Nordine), Joan Davis,

Carol Evans (Brower), Susan Forsberg, Mary Fowler (Gaspard), Judith Grout (Morrisette), Patricia Johnson (Goodrich), Lynette Lorenzen (Anderson), Karin McCall (Ulrich), Elizabeth Perry (Hall), Ruth Peterson, Elberta Prestegard (Seavey), Lynn Quam (Knutsen), Betty Roskos, Kathleen Standing (Bianchi), and Patricia Wells (Rotter). Seven alumni from the 25th Anniversary Class of 1991 also attended including: Sharon Deml, Dale Grunnes, Jennifer Peters, Laura and Nicholas Schluter, Ann Shimek, Andrew Yue. Alumni shared stories of their days as students and enjoyed networking and catching up with what their classmates have been doing. ■

Alumni of the Year award recipient Patricia Brennecke

Pat Brennecke graduated from one of the last Medical Laboratory Assistant (MLA) classes at the University of Minnesota before it moved to St. Paul College. While working full time at Mounds Park Hospital as an MLA, she decided to continue her education at the University of Minnesota, in the Medical Technology Program. As a student, Pat was the student ASMT (now ASCLS) representative.

After graduating in 1972, Pat continued to work in the chemistry department at the University Hospital before becoming manager of the student teaching labs for the Department of Laboratory Medicine and Pathology. She stayed home for a few years to raise her children, Sarah, Elliot, and Claire, before returning to work as a Search Coordinator for the National Marrow Donor Program. She also worked for MN Oncology for a number of years. In 2008 Pat accepted the

position of Clinical Coordinator of the Medical Laboratory Sciences Program at the University of Minnesota. In this role she was instrumental in bringing the process of assigning clinical sites from charts and post it notes to spreadsheets.

Pat retired in 2015 and has spent time with her book club, traveling, and gardening. She has also been able to devote much more time to genealogy research into her Icelandic heritage and her passion for photography.

Pat has been a photographer since the B&W days when she had a darkroom in her bathroom.

Since retiring, she has embraced her inner artist. Her red umbrella photo was taken at the University from the 6th floor of the Children's Rehab Building.



She entered the photo in the White Bear Center for the Arts 42nd annual juried art show; the photo was accepted for the show and also purchased. Pat is now hoping to combine her interest in genealogy and Icelandic family history with photography. She is working to put together a book of photos of the family farm started by her great grandfather in 1878 with her trips to Iceland in the future. ■



Photo: Copyright Patricia Brennecke

Note to the Class of 1967!

Your classmates are organizing a 50th anniversary class reunion prior to the Alumni Banquet on April 22nd. The reunion will include lunch at Stub and Herbs followed by a short walking tour of campus as well as a tour of the acute care lab. The group will then head to happy hour at the Alumni Banquet at Campus Club at 5:00 p.m.. Please watch your email for more information and pass this along to anyone you think may have lost contact with classmates.

For more information on the 50th reunion, contact Naomi Hanson, class of 1967 50th anniversary reunion coordinator at 651-633-1541 or Linda Maleitzke, CAHP Projects Coordinator, at 612-625-8936 or maleitz@umn.edu.

PLEASE JOIN US FOR THE 2017 MEDICAL LABORATORY SCIENCES ALUMNI BANQUET!

The annual Alumni Banquet will be held at the Campus Club on the University of Minnesota East Bank Campus, Saturday, April 22nd. Cocktail hour (cash bar) will begin at 5:00 p.m. with dinner served at 6:00 p.m. and with a brief program to follow. There will be a special recognition of the Classes of 1942, 1967 and 1992. We encourage all alumni to attend!

75th Anniversary Class of 1942

Harriet Aaker*	Betty Eberle	Lois L Knoche*	Marjorie R Niemi*	Frances H Sampson
Arlene M Adolphson*	Marion Eger*	Phyllis Krigbaum*	Clarice Nordlum	Helen Sanders
Margaret Akesson*	Lois H Eil	Norma B Lick*	Ethel Norvick	Margie Schmitz
Wilma Anderson	Elinor Elam	Helene MacDonald*	Elizabeth O'Leary	Ethel Schneider*
Fern G Arpi*	Janet Englund	Dorothy E Marshall*	Marjorie E Papermaster*	Lois J Selin*
Evelyn Bergh	Shirley Gitis*	Margaret M McCabe*	Amy H Parrish	Allie E Skoro*
Shirley B Best*	Geraldine R Goss*	Muriel McCarthy	Margaret Peebles	Elenora Stahn
Aileen M Blomquist	Aeme Higashi	Jean M McMahan*	Ruth D Potter*	Ruth Stavitsky*
Ann L Bothwell*	Virginia K Jenkins*	Helen A Merriman*	Eleanor J Powell*	Joyce Swanson
Lorraine Marie	Delores Johnson	Betty B Milner*	Elizabeth A Powell*	Dilys H Wagner
Breitenbucher*	Janet J Johnson*	Anna Monninger*	Lawrence I Radway*	Betty F Weisel*
Alice W Bush	Natalie Jones*	Vera J Nelson*	Jane Rietz*	Barbara Whitney
Janet R Casebeer*	Toinie A Juntunen	Laura D Newman*	Babbette R Rosen	LaVerne J Young
Mary T Donato*	Mary J Kahnke*	June F Ney*	Helen M Safford*	

*Deceased

50th Anniversary Class of 1967

Christine P Adams	Pamela J Dunwell	Sandra G Jones	Karen E Martin	Gretchen M Saecker
Jan T Adams	Kay E Emmons	Kay A Kelly	Joleen S Miller	Norynne M Schiminsky
Annette Arosemena	Miriam I Ford	Lynda Knudson	Lauren N Nelson	Janice S Shaffer
Katherine A Barzen	Fredda B Gary*	Joan Latchow	Betty J Olson	Ricki A Thompson*
Marilyn Bergstrom*	Diane E Gausman	Sandra K Lavin	Carol A Pizzo	Judith A Winter
Margaret A Bloemendal	Karen L Gilbert	Carol J Lehman	Jacquelyn Radichel	Karen A Wise
Gail H Boline	Ingrid B Graff	Sheryl M Longman	Barbara W Ramquist	Nancy E Wood
Jacquelyn C Bradbury	Marilyn C Gunlaugson*	Marlys E Lund	Anita L Ritenour	
Geoffrey P Caran	Naomi M Hanson	Janice M Mabley*	Jean D Robbins	*Deceased
Wanda E Clark	Janet M Hiller	Pamela J Malmgren	Vincent J Rogalski	

25th Anniversary Class of 1992

Gail E Anderson	Sheila M Clough	James P Garubanda	Hoa T Nguyen	Diane M Stein
Ellen E Anderson Penno	Iman A Dabboussi	Robert Janicek	Wendy L Oien	Shih-Mao S Teng
Timothy J Berg	Arlo R Evans	Cheryl L Johnson	Stacy J Palmer	Aminu M Wouba
Scott D Bergmann	Elizabeth L Fasola	Deborah F Lund	Mary E Pauza	Paula K Zwiefelhofer
Rae J Bulthuis	Mary M Frazee	Lori A Maus	Donna M Showers	
Lan-Ping Chu	Emmy M Fung	Maria C Nacionales	Kay M Sirianni	*Deceased

- **To register online, go to <http://www.alliedhealth.umn.edu/events/mls-alumni-banquet>.**
- **To register by mail, please include this form and your check payable to Regents of the University of Minnesota. Address to: Medical Laboratory Sciences Program, University of Minnesota, MMC 711, 420 Delaware St. SE, Minneapolis, MN 55455 (Attention L. Maleitzke)**

Please contact Linda Maleitzke, CAHP Projects Coordinator with questions at 612-625-8936 or lmaleitz@umn.edu.

Yes! I will attend the 2017 MLS Alumni Banquet!

Please check your entrée selection (salad and dessert included):

- Pan-Seared Canadian Walleye \$45.00
- Chicken in Roasted Heirloom Tomato Sauce \$40.00
- Rainbow Chard and Wild Rice Dolmades \$40.00

Check enclosed \$ _____ for a total of _____ dinner/s

Name _____ Phone _____

Address _____ Email _____

Graduation year _____ Former name _____

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Center for Allied Health Programs

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