This edition of the CLS Newsletter is our version of People magazine! We sent out a request for photos in an email message and we received many wonderful pictures of alumni and their families. I hope you will enjoy looking at them as much as we have. Unfortunately, we don’t have email addresses for everyone, so we are sorry if you missed this opportunity to share a photo – but feel free to send one in for the next edition.

The newsletter also includes updates on scholarships for CLS and MDS students. We are very grateful to the donors who have made these scholarships possible. As you know, the cost of education keeps going up and these scholarships help students at a critical point in their academic careers. Some of our scholarships involve matching funds, and in these cases, the donors contribute half of the scholarship and we make up the other half by combining contributions from many other donors. Thanks to everyone who is helping us educate the next generation of clinical laboratory professionals. The alumni of this program are the best!

From the Director

Susan J. Beck
Director, Division of Clinical Laboratory Science

MDS Graduation and Corporate Partner Recognition

On May 1, 2015, the Division of CLS hosted a reception to recognize the graduating Molecular Diagnostic Science students and the MDS Corporate Partners. Dr. Gregory Chiklis spoke to the MDS students about the development, validation and manufacture of molecular controls and the need for laboratory professionals in molecular diagnostics. The Division of CLS recognized Dr. Tom Huard for his contributions to the MDS Corporate Partner program. Dr. Huard has recently retired from Quest and is now serving as a consultant. He plans to continue to work with the Division of Clinical Laboratory Science to expand the MDS Corporate Partner program. Thanks to the support of the Platinum Corporate Partners, the Division of CLS was able to present Natasha Lopes Fischer with the award for the best Capstone project. This award will help Natasha attend her first professional meeting.

The MDS students presented their Capstone projects to the CLS faculty, Corporate Partners and the 1st year MDS Students. Their work was impressive and demonstrated how much they had learned in this program. The students in the MDS Class of 2015 and their projects were:

Natasha Lopes Fischer: Validation of the NRAS Pyro Kit for the Qualitative Detection of Mutations in Codons 12, 13, and 61 of NRAS Using the Qiagen PyroMark Q24 System

Yuanli Li: Development of a Capillary Electrophoresis-Based, Multiplex Molecular Assay Using Microsatellite Markers for the Detection of Human Chromosome 14 Uniparental Disomy

CLS Student Service Society

In the fall of 2014, the Division of CLS established the CLS Service Society for CLS students. Sam Mason (CLS ’15) was appointed as the Society President for the academic year with Ms. Lisa Cremeans serving as the faculty advisor and Dr. Tara Moon working with students on Facebook and Twitter posts. The Service Society gave students an opportunity to work together with fellow students in a fun and social environment that helped promote the CLS profession, provide services to the community, and recruit future CLS students. Students volunteered for a wide variety of activities including:

- Conducting tours of the laboratory for interested students
- Speaking to groups of prospective students
- Painting the cube in the Pit to advertise a CLS recruitment event
- Participating in high school recruitment events.

Students in the CLS Service Society made significant contributions to the Division of CLS, particularly in the area of recruitment. Prospective students were most eager to talk to current students to get their perspective on the program. The enthusiasm of our current students is the best advertisement for the program. Twelve students earned a total of 10 service points and were recognized at graduation with special silver cords.

CLS students at high school recruitment event

Continued on Back Page
The eighth annual awards ceremony for scholarship recipients in the Department of Allied Health Sciences (DAHS) was held on November 8, 2014, at the Rizzo Center in Chapel Hill. At this event, each Division in the DAHS recognized the accomplishments of scholarship winners and thanked the generous scholarship donors. The Division of CLS was proud to recognize 13 scholarship winners and the donors who made the scholarships possible:

**Allene W. Alphin and Jesse C. Alphin Clinical Laboratory Annual Scholarships**

Two scholarships were established by Kay Alphin Johnson ('68) and her husband Marvin in honor of Kay's mother and father. Students were selected based on their academic and professional performance. The recipients of these scholarships are:

- **Stephanie Leigh Gillette**, Kinston, NC
- **Sarah Elizabeth Menz**, Elon, NC

**Raleigh Pathology Laboratory Associates CLS Annual Scholarship and WakeMed Health and Hospitals CLS Annual Scholarship**

The Raleigh Pathology Laboratory Associates/ WakeMed Health and Hospitals CLS Annual Scholarships were established to support the education of future laboratory professionals. By helping current CLS students with the financial burden of higher education, these generous donors seek to increase the number of highly qualified laboratory practitioners in the future. The scholarships were awarded to:

- **Stephanie Breanne Lane**, Forest City, North Carolina
- **Heyman Israel Peraza Magana**, Durham, North Carolina

“...I feel honored to receive the WakeMed Health and Hospitals Annual Clinical Laboratory Science Scholarship. Receiving this scholarship means that WakeMed Health and Hospitals believes that I can succeed and I am deeply grateful for that.”

–Heyman Israel Peraza Magana

**Molecular Diagnostic Science Corporate Partner Program Scholarships**

Three Molecular Diagnostic Science (MDS) Corporate Partner Program Scholarships were awarded in the 2014-15 academic year thanks to the generosity of our Platinum and Gold partners in the MDS Corporate Partners Program. Scholarships were awarded to:

- **Sarah Marie Groves**, Fayetteville, North Carolina
- **Natasha Lopes Fischer**, Porto Alegre, Brazil
- **Carolyn Louise Mains**, Chapel Hill, NC

Upon graduation from the CLS program, I hope to begin working in a hospital lab to become more familiar and experienced with the various areas of the clinical lab. I am very grateful to have received the Allene W. Alphin CLS Scholarship. Because of this award, I am both excited and inspired to do my best in this final year of my college education.

–Stephanie Gillette
Louise M. Ward Scholarships
With a generous bequest from the estate of Louise M. Ward, a former director of the UNC Division of Clinical Laboratory Science (then medical technology), the Division was able to award scholarships to three students in 2014-15. Students are chosen based on their potential for contributing to the CLS profession, academic excellence, and personal characteristics. The Ward scholars are:

- Caroline Elizabeth Henderson, Lubbock, Texas
- Samuel Jonathan Mason, Raleigh, North Carolina
- Lauren Elizabeth Wallrichs, Rutherford College, N. Carolina

I am very grateful to be presented with the Thorpe/Mitchell Diversity Leadership Development Award...I have always wanted a career in healthcare and now I will be able to realize my dream.

-Katherine Lemoine

Thorpe/Mitchell Diversity Leadership Award
The Thorpe/Mitchell Diversity Leadership Development Award honors Dr. Robert L. Thorpe and Dr. Brenda Mitchell. Dr. Thorpe served as a mentor to countless students, and faculty member as a professor in the Division of Radiologic Science from 1973-2007. Dr. Mitchell currently serves as the DAHS Associate chair for student services.

- Katherine Lemoine, Charlotte, NC

Lanning-Taylor Loyalty Fund Annual Scholarship
A gift from Susan Lanning-Taylor ('85) and Steve Taylor provides funds to assist and reward a second-year CLS student. The Lanning-Taylor scholar was chosen by the CLS faculty based on potential for contributing to the CLS profession, academic excellence, personal characteristics, and financial need. The Lanning-Taylor scholarship was awarded to:

- Sarah Underwood, Carrboro, NC

UNC Hospitals Volunteer Association’s Allied Health Sciences Fellowships
Supported through a generous gift from the UNC Hospitals Volunteer Association, the fellowships are awarded to deserving allied health students who, in addition to having financial need and scholastic ability, exhibit characteristics of emerging professional excellence. One of six 2014-15 fellowships was awarded to:

- Rachel L. Mcdowell, Taylorsville, CA

“From my experience working as a cytogenetic technologist in the clinical laboratory at UNC Health Care, I have been fortunate enough to be part of the evolution of higher resolution technologies, from chromosome analysis to both fluorescence in situ hybridization and chromosomal microarray technology. These technologies have allowed me to provide clinically relevant data to clinicians, fulfilling an important role in the larger health care community. Molecular diagnostics is a field that is rapidly changing and expanding, and further development of my skills and knowledge through this master’s program will allow me to stay current and relevant. I appreciate the honor of being awarded the MDS Corporate Partner Scholarship and look forward to a role where I can educate and mentor others in our field of study.”

-Carolyn Mains
Alumni Updates

Donna Adams, (’86) celebrated 20 years at The Cleveland Clinic Institute of Pathology and Laboratory Medicine. Donna was also diagnosed with breast cancer in June 2014 and wants to remind all ladies to “Get your mammograms! Early detection does lives.”

Letycia Núñez Argote (’07) is currently working as Assistant Professor at the Department of Laboratory Sciences in the College of Health Professions at the University of Arkansas for Medical Sciences. Currently also collaborating with the College of Public Health, Department of Epidemiology, developing a research study for Treg cells and microbiome in Hispanic women.

Alison Brewbaker (’90) is currently working for BMI Medical in Raleigh performing medical exams for individuals applying for Life and Disability Insurance. Alison also owns Tri-Star Self Storage in Mebane.

Benjamin Chau (’14) is working at UNC core labs on evening shift.

Holly VanWegen Cowell (’71) is currently retired after teaching in the CLS program at Eastern Kentucky University for 27 years.

Yvonne Brooks Daniels (’07) recently moved to Greenville, NC. She accepted the clinical instructor/Pathologist assistant position at East Carolina University Brody School of Medicine and is also a member of the Ventana Roche International Patient Safety Advisory Board. In 2014, she received the 2014 American Association of Pathologists’ Assistants Fellow Aesthetic Specimen Photography Contest.

Erin Hester Fleig (’12) is working with the Hemo bioscience in RTP manufacturing Blood Banking PT samples and other blood banking reagents. She has also recently purchased a home and got married.

Danny Fu (’97) is currently working as the Ambulatory Care Clinical Pharmacy Supervisor at the Carolina HealthCare System-NorthEast in Concord, NC.

Crystal McCullough (’14) is working as a medical laboratory scientist with McLendon Core Laboratories with University of North Carolina Hospitals.

Carla Molestina (’14) currently works at the Core Lab at UNCC and is trained in Chemistry, Hematology, Blood Gas, Urinalysis, Gas Chromatography, and Coagulation. She is planning on expanding on her training by learning Smear Review and Body Fluids soon.

Justine Moore Monk (’11) graduated in May with a Master’s in Pathology and Laboratory Medicine from UNC-Chapel Hill and is currently working in the Clinical Pediatrics Laboratory at Duke Hospital. In September 2014, Justine married Josh Monk.
Tara Moon (’96) is Assistant Professor, Division of Clinical Laboratory Science at the UNC Chapel Hill School of Medicine.

Ly Nguyen (’11) currently works at WakeMed’s Pathology Core Lab in Raleigh, NC. Ly has trained staff and participated in new analyzer’s validation and implementation. Outside of work, Ly enjoys running, blogging, and helping a start-up called LiveSomeWhere. Ly also volunteers at WakeMed’s NICU performing hearing screens on newborns.

Chad Porter (’69) is currently the Head of the Clinical Studies and Epidemiology Branch of the Enteric Disease Department at the Naval Medical Research Center. He oversees clinical development of vaccines in enterotoxigenic E. coli, Shigella, and Campylobacter as well as conducting numerous epidemiologic studies to describe the morbidity of these infections in the military populations.

Stacy Cox Pope (’08) is Senior Safety Specialist.

Deanna Pope-Rainey (’94) After 12 years as a forensic biologist for the Federal Bureau of Investigation in Quantico, VA, Deanna’s family moved back to Mebane, NC. She is currently a stay-at-home mom.

Katie Pova (’14) is working at UNC core labs on evening shift.

Carol Ferrua Steiner (’88) lives in Newport News VA and is currently practicing both in peds clinic and as a neonatal hospitalist.

Ryan Vann (’03) is currently working as a physician assistant in Advance, NC.

Ann Reynolds Whaley (’66) worked for four years in the hospital laboratory setting until Ann’s first son was born. Ann was happily a stay-at-home Mom with two sons until her husband, Glenn, died of acute leukemia in 1992. While the boys were in college, she worked for ten years as an independent contractor doing insurance physicals for a paramedical company. Ann is now retired.

Mary Lemmons Wiser (’83) currently lives in the Seattle area. Their oldest daughter, Hannah, is a senior at the University of Oregon and Laura is an UNC Student.

Amy Zhan (’14) is currently working as the medical laboratory technologist 1 with UNC Health Care. She has also began making plans for her wedding with her fiancé Corey.
The UNC Chapel Hill CLS Program proudly recognizes our annual individual donors from July 1, 2014 to June 30, 2015 by the giving levels below. Our donors will also be recognized on a plaque prominently displayed in the UNC Chapel Hill CLS office suite for all to see.

**Director’s Circle** ($2,000 and up)
- Phyllis and Ed Hollowell
- Jeanette W. Hyde
- Kay and Marvin Alphin Johnson
- Margaret and Eugene Johnson
- Judith and Spencer Redding
- Susan and Steve Taylor

**Leaders** ($1,000 to $1,999)
- Vangi & Robert Clark

**Sustainers** ($500 to $999)
- Susan Jean Beck
- David and Gail Clapp
- Jane and Edward Isbey
- Marco Mascioli and Amelia
- Anne Smith
- Julius and Linda Phillips
- Julianne and Joseph Stout
- Megan Chadwick Trull

**Partners** ($250 to $499)
- Tracey and Anthony Alfero
- Lillian Sandra Ennis
- Allison Essex Foil
- Erin Elizabeth Hester
- Allison Hoffman Hoffman
- Thomas and Susan Krebs
- Christopher and Linda McKinney

**2014 PLATINUM PARTNERS**

**2014 GOLD PARTNERS**

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Joni Zurawinski, Group Marketing Manager, Virology

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The University of North Carolina at Chapel Hill
Division of Clinical Laboratory Science
2014-15 Annual Donor List as of 5/13/15

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Vincent Mu-Shiyuan Wang
Torie and Michael Westendorf

We invite you and other alumni to make a gift today using the enclosed gift slip or by making a secure online credit card gift to the UNC Division of Clinical Laboratory Science at www.giving.unc.edu/gift/MFNC/mfcl

100 Percent of Class of 2015 Pledges Support
We are pleased to announce that the following members of Class of 2015 have pledged and made gifts totaling $5,525 to the CLS Advancement Fund over the next ten years:

Tijesuni Oluwadamilare Babalola
Brent Capps
Troy Minh Dang
Shannon Fulton
Stephanie Leigh Gillette
Jasmin Shing Huang
Caroline Elizabeth Henderson
Samuel J. Mason
Rachel McDowell
Sarah Menz
Omar Montgomery
Rizul Naithani
Ashley Lauren Peterson
Sarah Elizabeth Underwood
Aiden Vu
Lauren E. Wallrichs
Vincent Wang
Shannon Wood

MDS Graduation and Corporate Partner Recognition
Carolyn Mains: Validation of Somatic CALR Gene Mutation Detection by PCR Fragment Analysis using the 3500 Genomic Analyzer (Applied Biosystems)

Marika Xydes-Smith: Verification of the Simplexa™ Flu A/B & RSV Direct Kit for the direct detection of influenza A, influenza B, and respiratory syncytial virus.

Emily Tatman: Validation of a DNA Sequencing Assay for the Detection of Mutations Associated with Rifampin Resistance in Mycobacterium tuberculosis

Top: Class of 2015 MDS Students
Left: Natasha Lopes Fischer receives diploma, Current MDS graduates with donors
The Division of CLS was sad to learn that Dr. Mary Ellen Mangum died on November 15, 2014. Mary Ellen received her Bachelor of Science degree from UNC Greensboro and her PhD. in Public Health from UNC Chapel Hill. She worked in the microbiology laboratory at UNC Hospitals for forty years and was highly respected for her professional expertise and her practical approach to microbiology. She served as a clinical instructor for MT/CLS students for most of those forty years, and volunteered with the CLS program for two years following her retirement. Students were grateful for her ability to share her knowledge and love of microbiology with them and they enjoyed her fun-loving personality. She challenged them to think critically, but she was also patient with them as they worked through problems. Mary Ellen was consistently awarded the “Outstanding Clinical Instructor” award by senior CLS students. She left a lasting imprint on the microbiology laboratory and on generations of MT/CLS students. The Division of CLS is grateful for all that Mary Ellen Mangum contributed to the students and the program.

Remembering Mary Ellen Mangum

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CLS Graduation

The Division of CLS hosted a reception for the 2015 graduates in Wilson Library on May 10th. The graduates were excited to announce their post-graduation plans including positions in the clinical laboratories at UNC, Duke, and Gaston Memorial. The CLS faculty believes that our proudest accomplishment is the work that we do to pass on the knowledge, skills, and attitudes of the clinical laboratory profession to new practitioners and we are very proud of this group of new laboratory professionals.

The CLS class of 2015 pledged to contribute $5,525 to the CLS program over the next five years. Senior Class Campaign co-chairs, Caroline Henderson and Brent Capps, inspired 100% of the Class of 2015 to contribute to the campaign. The co-chairs presented the CLS faculty with a check at the graduation ceremony.

The Outstanding Senior Student Award was presented to Sam Mason. He was recognized as a student who is eager to learn, easy going yet very professional, able to jump in and help and someone who looks for the next task when his work is done.

At the graduation reception, Lisa Cremeans was presented with the Louise Ward Excellence in Teaching award which is based on a consistently high standard of teaching in the Division of CLS. Ms. Cremeans teaches microbiology in the CLS program and many courses in the MDS program. In every course that she has taught, Ms. Cremeans made improvements in course content and organization. She has also used new methods to facilitate learning include Voice Threads and the “flipped classroom”. Her teaching evaluations have been glowing. She is highly regarded for her approachability, helpfulness, and knowledge of the material. In addition to teaching, she was instrumental in the foundation of the CLS Service Society. She is truly a role model of a dedicated clinical laboratory professional.

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Spread the word about Clinical Laboratory Science at UNC Chapel Hill by liking us on Facebook and also hitting the like button on individual posts. Visiting our Facebook page or following us on Twitter is an easy way to get all the latest news & to keep up with the accomplishments of our students, alumni and faculty. We’re sharing photos of student laboratory activities, event announcements, and more on our Facebook page. Once you have liked the page, news about CLS at UNC will conveniently show up in your Facebook feed along with all the other pages that you’ve liked. You can follow us on Twitter too!

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