

Medical Laboratory Sciences

SPRING 2014

NEWSLETTER



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Officers

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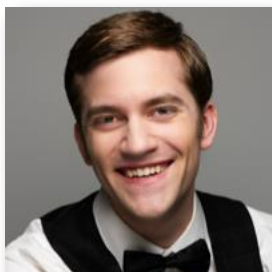
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2013-14 AU MLS Club Officers



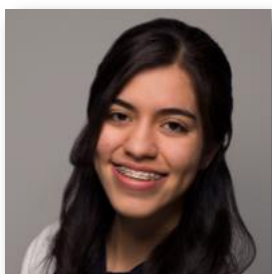
Kelcey Sarno
PRESIDENT



Trevor Zimmerman
VICE PRESIDENT



Victoria Thona
PASTOR



Melody Collins
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Caressa Kasperbauer
PUBLIC RELATIONS OFFICER



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What is Medical Laboratory Science?

MISSION STATEMENT

The mission of the Department of Medical Laboratory Sciences, in harmony with Andrews University and the Seventh-day Adventist Church, is to prepare students for Christian service as Medical Laboratory Scientists. The MLS department encourages faculty in professional, educational, and spiritual growth. The MLS faculty educates students to develop excellence in the skills necessary for a life work of service in quality health care and dedication to improving the human condition. MLS graduates will minister to the needs of others by practicing and promoting standards of excellence as medical laboratory science professionals.

What is the MLS Club?

The Andrews University Medical Laboratory Science Club was designed to help students pursuing the major not only to get a better understanding and knowledge of this field, but also how to approach it with a Christian character. The club holds multiple vespers and social gatherings. Outreach is also one of the activities of the club.

What is the MLS Newsletter?

The purpose of the MLS Newsletter is to keep alumni, students, faculty, and friends of AU MLS informed and connected. The Public Relations Officer is a new student club position created to facilitate production of the newsletter. The department would like to thank Caressa Kasperbauer for spearheading the creation of the first MLS department newsletter. Our goal is to publish it biannually.

AU MLS CLUB OUTREACH

Zipocrit for North Korea: The MLS club contributed \$200 to underwrite the cost of a Zipocrit to measure hematocrits in North Korea. The Zipocrit is a small hematocrit centrifuge that can run on batteries and solar power and helps with the diagnosis of anemia.

The Month Before Christmas: On November 24, the MLS department hosted a Children's Christmas party to give families of the Berrien Springs community a Christmas. Families were served a dinner. There were games and activities for the children to participate in alongside MLS students. A gift was also provided for each child, which were purchased and donated by MLS students. A total of 16 children were able to take part in this first-of-a-kind event by the MLS Department. For the families, children, and students it was a positive experience. We look forward to this kind of event again in fall 2014. We would like to thank our sponsors, St. Joseph Regional Medical Center, Buchanan SDA Church, Pioneer Memorial Church, and MLS faculty and staff for their financial contributions that made this event possible.



A Zeal for Medical Laboratory Sciences

Feature: Professor Richard Show

Mr. Show worked at Hinsdale hospital in Chicago, Illinois for 20 years. He initially worked in the microbiology laboratory, and for a few years at Hinsdale, he was the supervisor for both clinical chemistry and microbiology. Toward the end of his time at Hinsdale hospital, he was the laboratory manager. With his kids growing up, he wanted more time with the family. When the opportunity for teaching came, he took it. For the last 26 years at Andrews University, Mr. Show served as Clinical Chemistry, Body Fluids, and Laboratory Management professor, safety officer for the MLS Department, graduate program director, and academic advisor. His plans for retirement are to spend time with his family, woodworking, gardening, and may even include a part time job at a local hardware store. His advice for prospective and current students: "You



Need to like sciences and have the ability to do the sciences. Everyone has different talents and particularly, in academy and high school years, it is best to make sure to take as much science and math as you can. For current students, establish time management, it is key."

Making a Greater Difference through Education

Feature: Dr. Marcia Kilsby



Dr. Kilsby started college as a marine biology major. Through a myriad of events and God's leading, she did a one-year medical technology internship as a post-baccalaureate student. She was drawn to the fact that the MLS (then med. tech.) profession took her love of biology and microbiology and combined it in a portable degree that is a strong asset in the mission field. After arriving at her current job at Andrews University 30 years ago, Dr. Kilsby has held the position of chair of the MLS department for 26 years. After retirement, Dr. Kilsby, along with her husband, will be working on various international projects dealing with medical laboratory outreach. Dr. Kilsby advises MLS majors to: "Be inquisitive, do not just attempt to learn only the minimum material needed to pass the test. The MLS profession is not a minimal profession. Every patient needs your best knowledge, not your least knowledge. . .there is no one behind you making sure you're doing your job well - each sample that you are testing affects a person, so do your job well. Seize every opportunity. Walk hand-in-hand with God. Make the most of every learning experience."



Here's What Some Students Say about Being an MLS Major

Dawn Roselio (Freshman): I took a CLS class in high school and enjoyed it so much that I decided to become an MLS/PreMed major.

Adam Sutherland (Sophomore): I enjoy being an MLS major because of all the many different things that I get to learn as well as all of the fantastic teachers that care so much for their students.

Molly Kivumbi (Junior): I love MLS because of the heavy emphasis on science and the detective work that goes into making decisions and diagnosis. MLS gives me a good foundation for medical school.

Awatif Alenazi (Grad Student): Being a MLS major allows me to help people without having to be at the bedside. I enjoy studying the cells and microbes as they are very interesting. I am furthering my education in hopes of becoming part of a research group.

The students would like to express their appreciation to Dr. Kilsby and Mr. Show for over fifty-six years of teaching and service.

STUDENT INTERVIEWS

The MLS Journey

MLS Club President Kelcey Sarno

Before starting college at Andrews University, Kelcey was a nursing major and had already registered for classes. A week before getting to AU, she decided to change her major to Biology/PreMed. She continued with Biology her freshmen year, but was beginning to talk to some people about a major she had never heard of before: MLS. After some research and more talking with people, she changed her major to MLS/PreMed between freshmen and sophomore year. When Kelcey graduates in 2015, she plans to work as an MLS for a year and then apply to medical school. As far as her spiritual life goes, God is really the only One who keeps Kelcey going in the midst of everything – and this would be the same regardless of what major she could've chosen. She says, "He guides what I do and is in every decision that I make. Nothing that I accomplish or achieve could be done without Him." Kelcey enjoys music – piano and violin – doing activities with her church, hanging out with friends, reading textbooks, and watching YouTube videos about turtles. She advises MLS majors to get involved—run for an office in the MLS Club, talk with your professors about the major, participate in events and forums provided by the MLS Department or Club, be an active learner, and take charge of your education! And also... make friends with your classmates.

Making the Switch to His Passion

Feature: MLS Club Vice President Trevor Zimmerman

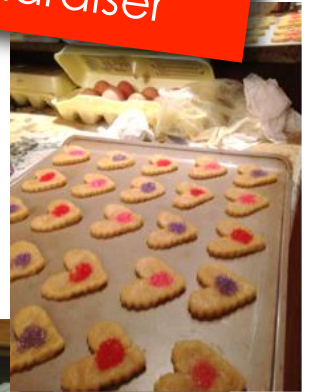
Trevor Zimmerman, was originally a nursing major for two years, but switched once he discovered he had a passion for laboratory work. It was clearly the right decision because Trevor believes MLS to be so enjoyable that it's hard for him to determine his favorite class experience. Trevor says what's been very important in his student life at Andrews has been the role God plays in it, "I have the great opportunity to learn and marvel about the small things God has created every day I go to class. Chapels, vespers, and in-class worship thoughts keep my mind focused on Him. I also have multiple times a day for personal prayer." After his planned graduation in 2015, Trevor expects to work in the MLS field for a few years "and then potentially go back to school to get a Master's or PhD in whatever area I most enjoy in MLS." His pastimes include video games, hanging out with his friends, reading classics and science fiction, swimming and hiking, and spending time with his dog and two cats. Advice he would give to his fellow classmates as well as incoming MLS majors is, "Get involved in your classes and labs as much as you can."

MLS CLUB BONDING

Vespers



Cardi-Grams Fundraiser



ICE SKATING



The Month Before Christmas Party



Senior Research



SENIORS AT CLINICALS



Jeremy Wilson: If there's anything my current experience in undergoing an MLS clinical practicum has taught me, it's that an open mind will lead to success. Observing details, adhering to instructions, adapting to unfamiliar routines, and even reworking the very thought processes I use to approach situations are but a few of the many qualities I've either revamped or adopted just by having an open mind throughout this experience. My advice to future students would be to denote everything, think critically, ask appropriately, and pray constantly. Have confidence in your God, schooling, and self!



Marielle Solis: I'm currently at Florida Hospital Heartland Medical Center. I started with Chemistry as my first rotation. I receive or reject samples that are coming in. Once these samples are received, I spin them down and separate them into different tests. If there's anything I've learned about being MLS, it's having the ability to efficiently multitask. There's very little room for mistakes, because it means more time is taken away from patient care. I get to call "criticals" and make sure that QC results are in. I prepare reagents and document procedures. I definitely enjoy the clinical part more than the classroom. I was recently offered a job by my lab manager. As long as I pass my certification exam in August, I plan on joining them. You don't always have to be the smartest person in the class. If you have a good work ethic, you will succeed.



Gelline Layson (2014 MLS Club Senior Representative): I chose this major because I saw this as an opportunity to be exposed to the medical field before pursuing my goal to be a doctor. I have grown to enjoy working in the laboratory, especially since I started clinicals at Florida Hospital Orlando. It has given me the chance to practice what was learned in the classroom, and bring it to the real world to make a difference in patients' lives. I plan to work as an MLS for a year or two before I start medical school.

Moving Forward...AU MLS Today

- The Program for Medical Laboratory Sciences graduated the first class in 1989.
- Twenty six students have been accepted for the 2014-2015 MLS Clinical Year Program.
- Two new MLS labs are currently under construction on the first floor of Halenz Hall and are scheduled to be in use for the Fall Semester 2014.
- The MLS Program at Andrews University is affiliated with several Adventist sister schools including: Oakwood University, Southern Adventist University, Southwestern Adventist University, Union College, and Washington Adventist University.
- The MLS Department also offers a graduate program with various emphases.

Learn more about AU MLS at <http://www.andrews.edu/shp/mls/>

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