



# Laboratory Express

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Medical Laboratory Technology Program Newsletter

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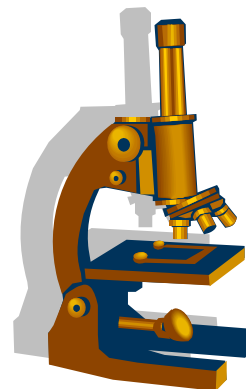
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## Congratulations to Our Graduates!

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Towards an Alzheimers  
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- **Muse Ahmed: hired by The Ohio State University**
- **Adiza Soumana Amadou: hired by OhioHealth-Riverside  
Methodist Hospitals**
- **Courtney Dalton: hired as a student intern and promoted at  
the American Red Cross**
- **Malini Gopinath: hired by The Ohio State University**
- **Matthew Hehmeyer: hired by OhioHealth-Riverside  
Methodist Hospitals**
- **Alemayehu Kenei: hired by Food Safety Net Service**
- **Tammy Tiedtke: hired by Fairfield Medical Center**
- **Kathy Wagner: hired by Mount Carmel Health System**
- **Keri Wilson: hired by Mount Carmel Health System**



## The Second Annual Recognition and Pinning Ceremony for the Medical Laboratory Technology Program

On December 12, 2012 the graduating class of the Medical Laboratory Technology program was honored at an event lead by Program Coordinator/Director, Mary Ellen Tancred, Ph.D, MLS (ASCP)<sup>CM</sup> SH<sup>CM</sup>. Family and friends also attended the ceremony that recognized the hard work and dedication of those completing the program, with a certificate and a commemorative pin designed by the MLT Association.

The keynote speaker for the evening was Jack Cooley, Ph.D., Senior Vice President of Academic Affairs. Courtney Dalton, the outgoing President of the MLT Club, also spoke. The event was filmed so that Sandra Arrighi, M.Ed, MLS (ASCP)<sup>CM</sup> SBB<sup>CM</sup>, previous director of the program could view the ceremony. Sandy, as she's known to the students, was the Program Director of the MLT program from 2006 to 2012. Congratulations to her on her retirement as well!

### The 2012 Medical Laboratory Technology Program Graduates

- Muse A. Ahmed
- Adiza Amadou
- Mezgebu M. Berihun
- Janet E. Conway
- Courtney R. Dalton
- Malini P. Gopinath
- Shawel L. Haile
- Omar D. Hassan
- Matthew J. Hehmeyer
- Alemayehu D. Kenei
- Lisa M. Mercure
- Carmen J. Nguyen
- Ahmed Haji Omar
- Samsam O. Sahardid
- Huiting Tang
- Tammy L. Tiedtke
- Kathy J. Wagner
- Keri L. Wilson

**Congrats to all!**

Medical Laboratory professionals are very important members in the medical and research community. This article was selected as an illustration of the pivotal role we play on a daily basis.

## Major Step Toward an Alzheimer's Vaccine from ScienceDaily.com

Jan. 15, 2013 — A team of researchers from Université Laval, CHU de Québec, and pharmaceutical firm GlaxoSmithKline (GSK) has discovered a way to stimulate the brain's natural defense mechanisms in people with Alzheimer's disease. This major breakthrough, details of which are presented January 15 in an early online edition of the *Proceedings of the National Academy of Sciences (PNAS)*, opens the door to the development of a treatment for Alzheimer's disease and a vaccine to prevent the illness.

One of the main characteristics of Alzheimer's disease is the production in the brain of a toxic molecule known as amyloid beta. Microglial cells, the nervous system's defenders, are unable to eliminate this substance, which forms deposits called senile plaques.

The team led by Dr. Serge Rivest, professor at Université Laval's Faculty of Medicine and researcher at the CHU de Québec research center, identified a molecule that stimulates the activity of the brain's immune cells. The molecule, known as MPL (monophosphoryl lipid A), has been used extensively as a vaccine adjuvant by GSK for many years, and its safety is well established.

In mice with Alzheimer's symptoms, weekly injections of MPL over a twelve-week period eliminated up to 80% of senile plaques. In addition, tests measuring the mice's ability to learn new tasks showed significant improvement in cognitive function over the same period.

The researchers see two potential uses for MPL. It could be administered by intramuscular injection to people with Alzheimer's disease to slow the progression of the illness. It could also be incorporated into a vaccine designed to stimulate the production of antibodies against amyloid beta. "The vaccine could be given to people who already have the disease to stimulate their natural immunity," said Serge Rivest. "It could also be administered as a preventive measure to people with risk factors for Alzheimer's disease."

"When our team started working on Alzheimer's disease a decade ago, our goal was to develop better treatment for Alzheimer's patients," explained Professor Rivest. "With the discovery announced today, I think we're close to our objective."

## Upcoming Important Dates:

4/24/13: Fieldtrip to Food Safety Net Services

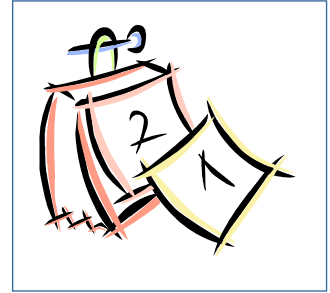
4/25/13: MLT Association Bake Sale at CSCC

4/22-4/26/13: National Laboratory Week

4/30/13: Fieldtrip to LabCorp

5/1/13: Fieldtrip to Nationwide Children's Hospital

5/20/13: Welcome new MLT students!



## Awards/Scholarships:

Each year, the ASCP awards laboratory science students for their outstanding achievements and contributions to the community with the Siemens-ASCP Scholarship. One of this year's recipients for 2012-2013, here at CSCC, is Valerie Middleton (pictured below). The scholarship awards excellence and helps promote laboratory medicine to students by offering a scholarship for those pursuing a career in pathology and laboratory medicine.



## Lunch with the President:

**The officers of the MLT Association attended a luncheon with the President of Columbus State Community College, Dr. David Harrison. They had the opportunity to introduce themselves, the Medical Laboratory Technology program and the club to the others in attendance. There were more than 20 other clubs represented at the event.**



**The luncheon was organized by Student Engagement and Leadership which coordinates programs and leadership opportunities for students at Columbus State Community College. To learn more about SEAL or the other clubs at CSCC, visit their site [www.csc.edu/campus-life.seal](http://www.csc.edu/campus-life.seal).**

**(pictured are Marcie Radell, Vice President, Valerie Middleton, Secretary and Gregory P. Bass, President of the Medical Laboratory Technology Association)**

## MLT Association Bake Sale

A major source of fundraising for the MLT Association is our bake sales. Fundraising events such as these are a big part of allowing the various clubs at CSCC to participate in extracurricular activities. The sale that our club sponsored before the winter break was a huge success. All of our club members and adjunct faculty member Stacy Yeager, pitched in to help either by baking or being present. A big thank you to everyone who helped and supported our efforts. Our next sale will be April 25, 2013 and is sure to be even better!

(pictured below are Letisha Boysel, Jacqui Turpen and Marcie Radell)



Please send any future suggestions for the newsletter to [mradell@student.csc.edu](mailto:mradell@student.csc.edu)