



Yearbooks and Newsletters

Fall 2015

Tempo Fall 2015

Touro College New York School of Careers and Applied Studies

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Dr. Brian Chiswell: Research Exploration In Biology

Something wonderful and exciting is happening in the NYSCAS biology laboratory. Dr. Brian Chiswell and his team, which includes student workers, and Dr. Yanling Liao of New York Medical College, are performing an experimentation/research project utilizing stem cells.

Dr. Yanling Liao

Dr. Yanling Liao trained for her doctorate in biochemistry at Albert Einstein Hospital. She began researching stem cells when she was a postdoctoral fellow at Stanford University and later became interested in human cord blood stem cell biology at Columbia University. When Dr. Yanling Liao started research in a pediatric unit at Albert Einstein Hospital she assisted with many different types of prenatal births and witnessed many infants with birth defects. None, though, were

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Dr. Brian Chiswell testing substances in NYSCAS laboratory

more disturbing and life threatening than RDEB (recessive dystrophic EB). Patients who suffer from RDEB experience blistering and erosion of the skin, tongue, esophagus and intestinal tract. Patients are constantly struggling with the disease. Even donning clothes becomes a challenge because the tiniest skin tear will become inflamed.

Dr. Liao, who recently had a child of her own, shuddered at the sight of any blemish on her infant – imagining the pain and hardship those afflicted with RDEB had to endure. Dr. Liao found herself so moved by the patients she attempted to treat that finding a cure for RDEB would soon become her calling.

Dr. Brian Chiswell

Dr. Brian Chiswell received his Ph.D. in biochemistry from the University of South Carolina. Following graduate school, he was a postdoctoral fellow at the Yale University School of Medicine in the department of pharmacology. He then worked in the private sector performing discovery stage research in the biotechnology field. Dr. Chiswell worked at a company in Boston utilizing stem cells that he hoped would one day be a cure for many modern day diseases. Dr. Chiswell had a vision, and like many people who have a dream he became passionate in his quest for answers.

“We really need to research the ability of what stem cells can do,” Dr. Chiswell stated.

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Message from Dean Spinelli



The fall semester is always so exciting and full of promise. It signifies new beginnings and endeavors. I am always so happy to hear students in the hallways exchanging views and discussing class lessons. The more you can relate and talk about your studies the more your mind will grow with ideas.

The fall season is also a time of reflection. As the days grower shorter and we spend more time indoors with loved ones we are reminded of our special connections to family and friends. Here at Touro College, our commitment and connection to you is of the utmost importance. That is why the college offers support, to our students, in the Freshmen Retention Center, Mentoring Program and Tutoring Center for those who are in need of help with school work or just need a shoulder to lean on. We have counselors available to all our students. We are a college brimming with multicultural

students all sharing knowledge and exchanging ideas. That is the fundamental component of education and why NYSCAS strives to continue to provide high quality service to our students.

With Warm Regards,

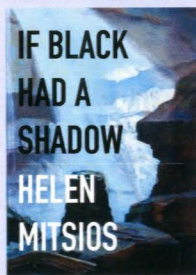
E. Spinelli

NYSCAS in the NEWS

Our New Website

NYSCAS.Touro.edu

NYSCAS English
Professor Helen Mitsios
Pens New Poetry Book:
"If Black Had A Shadow"
available at Overpassbooks.org



Social Media

Stay in touch with NYSCAS 24/7. NYSCAS posts on Facebook and tweets on Twitter. Find interesting links to articles and events taking place globally and within your academic community. Stay in touch and connected.



NYSCAS, a division of
Touro College



@NYSCASTouro

Tracy White: New Site Director at 23rd Street Campus

When Dean Eva Spinelli announced the appointment of Tracy White as the new site director of the 23rd street campus, at Faculty Development Day, you could hear the audience's adulation. White has always been a popular and reliable presence for faculty, students and staff on campus. She gets things done. When the faculty needs last minute copies, media technology, or any paraphernalia for their class, White is always the one to come through.

"I was delighted to be offered the site director position by Dean Spinelli and Dean Lenin Ortega. I have admired Dean Spinelli for years and felt honored they both had such confidence in my abilities," stated White.

Tracy White is a Touro alumnus. She started attending NYSCAS in 1996 and completed her bachelor's of science degree in 2000 majoring in Business Administration/Management.

White began working for NYSCAS in an administrative position at the old Brownsville site. She worked with admissions, gaining much experience in the academic world. When the site closed she was transferred to the Man-

hattan campus working in the site director's office as associate director. "I found the position rewarding as it fit right into my degree," White stated.

White is presently enrolled in graduate school for her MBA. She is taking on-line classes in the Graduate School of Business.

"It is a pleasure to be a student, and employee and now in a management position. It really shows that an education pays off and is a pathway to a rewarding career," White stated emphatically.



Research In NYSCAS Biology Laboratory

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As Dr. Chiswell sees it, “expressing the proper proteins can enable the stem cells to cure diseases. It is similar to fitting a key into a lock. If we find the right key, the lock opens and a world of healing becomes available to us. It is just finding the right key that is the challenge.”

Dr. Chiswell left the private sector and turned to academics when he moved from Boston to New York City. He was hired by Dr. Milton Schiffenbauer, deputy chair of biology at NYSCAS, and began teaching in 2012. A year later, he started to miss the challenges of research. Dr. Chiswell knew NYSCAS’ environment was conducive for research. He could recruit students to help him and they would receive valuable laboratory training. Dr. Chiswell searched for a project that would include his prior experience and the exploration he had begun in Boston. Then he met Dr. Yanling Liao – and it was a scientific match. They submitted a research proposal for funding through Touro College.

In the spring of 2015, Dr. Alan Kadish,



Dr. Brian Chiswell instructs student worker Viktoriya Yusupova testing for DNA sequences

President of Touro College announced that Dr. Brian Chiswell and Dr. Yanling Liao were awarded a shared grant from New York Medical College – the college had found a perfectly paired research venture. Dr. Brian Chiswell now had a innovative research mission involving DNA proteins and stem cells and Dr. Yanling Liao had the ability to find a treatment for RDEB.

For this momentous task, Dr. Chiswell recruited NYSCAS student, Viktoriya Yusupova to help him run experiments in the NYSCAS lab. Yusupova, a biology major at NYSCAS, is a sophomore with a GPA of 4.0. She is studying to become a physician’s assistant.

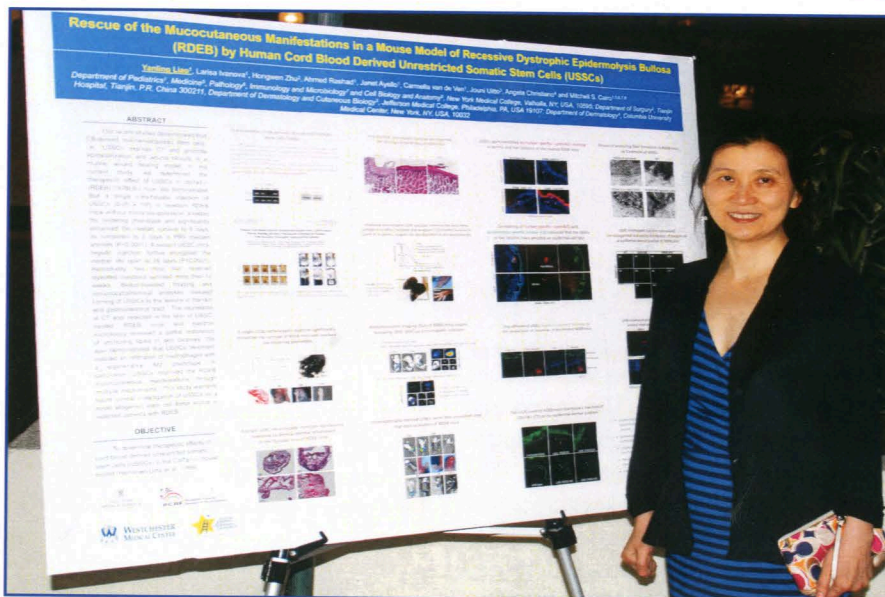
Painstakingly, Yusupova tests substances everyday hoping to create a DNA binding protein that can unlock the stem cells’ power to treat RDEB. It is a grueling task researching multiple proteins, anticipating with each one – that the key will be found.



Viktoriya Yusupova prepping for DNA sequencing

Meanwhile, Dr. Liao is doing her own research. She holds the precious locked stem cells. She is looking for a way to manipulate them into accepting more than one key and being able to use them in assorted different conditions.

Performing research and hoping for that big break is almost like a treasure hunt – of sorts. Each day brings a new gift, a new hope, and a new mystery. Both researchers have a fervent hope they may unlock a pathway to a new world of discoveries at NYSCAS and New York Medical College.



Dr. Yanling Liao

Career Services

One of the best kept secrets on the 23rd street campus resides on the fifth floor. Career Services is a gold mine full of information and a free service provided by NYSCAS for all students. In today's job market, it is still a challenge to find a position that will lead to a career. Career Services can help you.

Career Services offers aptitude tests to help you decide which direction you would like your life to take. Would you rather teach a class, balance a spread sheet, pour liquid into a test tube, take a patient's blood pressure or program a computer? These are just some of the career categories that an aptitude test can reveal to help you find your career path. The Advisement Office can give you advice and point you in the right direction, but Career Services can give you a good idea how the classes you take can influence your future career goals.

Looking for a job is not an easy task. The market is saturated with many college graduates all competing for the same jobs. Some fields are more lucrative and brimming with opportunity, while other fields are extremely competitive. "Learning how to choose your major, in your freshman year, can save you time and money," stated Career Services' director Adrianna Jimenez-Garcia.



Career Services Director Adriana Jimenez-Garcia

help you keep track of where your resume was sent. If you have a Facebook page – update your status to recent graduate and seeking employment. Upload your resume to LinkedIn, Indeed.com and any other job search engine. Networking is very important.

The Cover Letter

Many students experience anxiety when it comes to composing a cover letter. A cover letter typically accompanies your resume and employers often place a lot of weight on the missive as it's their introduction to the potential employee. The

should be highlighted in your cover letter."

The Resume

Your resume lists all your work experience and the period of time you spent at each job. It should also offer a brief description of your employment responsibilities.

One of the most important points on your resume is to highlight your career objective. If you want to be hired as a teacher then show your capabilities and include; lesson plans, related course work and internships. Your resume is always a work in progress –

"Learning how to choose your major, in your freshman year, can save you time and money."

– Adriana Jimenez-Garcia

Social Media

The effects of social media, on the job market, are staggering. You can reach many employers – all through the click of a mouse," stated Jimenez-Garcia. Utilize social media when searching for employment. Make sure to create a new email address that has your first initial and last name. A separate email address will

Career Services' office can help you choose the right words that will enhance your cover letter so it will be snazzy and catch the attention of a recruiter or a potential employer. Jimenez-Garcia states, "The cover letter is your place to show your passion and shine – you have an opportunity to display your writing skills. If you have life experience, that relates to the job you are applying for, or have volunteered it

keep customizing and revising it.

When you land an interview, research the company's mission statement, investigate their products or the services they offer. Sometimes a telephone call is your only interview. If you are interviewed on the phone make sure you are in a quiet place.

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Oleg's Story: A Lifetime Interest in Biology

Oleg Yefimenko is a fascinating young man who lives and breathes biology. One would say his obsession with biology started years ago in the Ukraine, where he was born. A friend of Oleg's was an entomologist and had a vast collection of live insects in a terrarium and dead insects pinned to slides and categorized in his bookcase. Oleg would spend countless hours gazing at the colorful bugs. It was intriguing to see how their wings and feet were positioned and he wondered what purpose each insect served in the natural world. Oleg's interests led him to the zoo in Odessa, Ukraine where the same friend was able to get him a job working in the zoo terrarium.

"I worked in the terrarium which was full of turtles, snakes and lizards. I fed them, cleaned their cages and made sure they had proper medical care," Oleg said. Biology became the field that intrigued him the most. He became passionate about his new and exciting biological adventures.

Unfortunately, his dream was cut short when he was recruited by the Ukrainian Army in 2003. Oleg served in the military for two years. They quickly saw his talent



Oleg Yefimenko in the 23rd Street campus laboratory

good amount of experience in lab work," Oleg explained.

When his stint in the army was up Oleg set his sights on joining his relatives in America. They had moved from the Ukraine to

a position in New York - until the economic crash in 2008. It was at this time he decided to go back to school and obtain a degree. His fascination and experience in biology drew him to the New York School of Career and Applied Studies (NYSCAS), a division

"Oleg was an integral part of the lab's development. He designed a lab experiment for Biology 101 which is used by the faculty...[He] has accompanied me to the American Society for Microbiology (ASM) conventions where we displayed and discussed our experimentations with white tea and cinnamon. The ASM has given us a platform – for the past three years – based on our experiments and Oleg played an important role in the research."

– Dr. Milton Schiffenbauer, deputy chair of the biology department

for biological studies and assigned him to work in the medical area collecting specimens from ill soldiers. "It was a time consuming job. The soldiers were in the field and I had to go find them, take blood and then return to the medical lab with up to 50 samples at a time to analyze. It gave me a

the United States, in search of a better life for their families.

Oleg's life experience also included master carpentry so he had a good skill to offer new employers in America. He worked as a master carpenter, throughout his life, and found

of Touro College where a complete health sciences program is offered.

Oleg passed the placement test he took at the NYSCAS Campus on Ave. J and registered for biology classes. He could not be happier.

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Career Services

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Stand up when you are speaking, and be professional. Do not place the interviewer on hold to answer another call or text message.

Some women have an excellent level of learning, understanding and graduate with

honors. They can get the job interview but might not have anything to wear. NYSCAS maintains an association with Dress for Success, a non-profit organization that supplies clothing for women who cannot otherwise afford clothes to wear to a job interview. If you are in this position and need clothes to wear to an interview consult with the Career Services' office.

The office has work stations where students can write about their goals and they can get a feel for the student's needs in career management. This is especially true of students returning to college who are changing careers mid-life.

Jimenez-Garcia advises, "In this very competitive job market you need a good front door pitch and you need to build your confidence level. What experience do you have and how can you separate yourself from the rest of the job applicants? Students need to recognize their own goals and accomplishments. If you speak more than one language, or have any kind of job experience – even baby-sitting (child care) – let the employer know. You need to sell yourself as a whole. Your education, goals and skills are the main attributes employers are evaluating and how they relate to those required on the job."

Please visit Career Services, throughout your academic life at NYSCAS. They can offer you counseling and career direction in your freshman year and groom your cover letter and resume in your senior year. It certainly is a wise investment in your future!



NYSCAS Student Deba Young consults with Career Services' Director Adriana Jimenez-Garcia

Oleg's Story

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Oleg was fascinated by the biology lab at Avenue J and wanted to try and obtain a laboratory technician position. He knew he could bring his military experience to the lab and tried to get a position in Brooklyn. Unfortunately, none were available. Oleg then met Dr. Milton Schiffenbauer, deputy chair of biology, and he took Oleg to the main campus on 23rd street and offered him a laboratory technician position. Oleg joined a team of students who were working on research at the 23rd street campus and he flourished. He is now a research assistant in microbiology and a biology tutor.

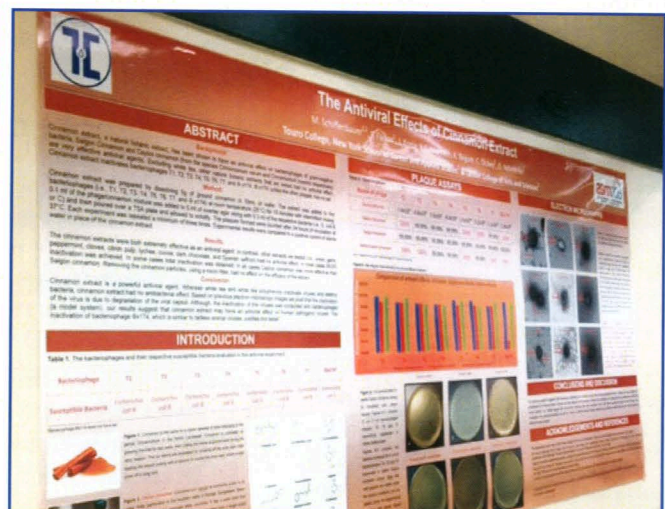
"Oleg was an integral part of the laboratory's development," stated Dr. Schiffenbauer. "He designed a lab experiment for Biology 101, which I approved, and is used by the faculty. I find Oleg to be a very capable individual and an asset to the school and labs. He has accompanied me to the American Society for Microbiology (ASM) conventions where we displayed and discussed our experimentations with white tea and cinnamon. The ASM has given us a platform for the past three years based on our experiments and Oleg has been an important part of the research," Dr. Milton Schiffenbauer explained.

A poster, which hangs outside the biology lab, thanks Oleg for his contribution to the discovery

of star anise – a Middle Eastern spice extract– that kills viruses as effectively as white tea and cinnamon.

When Oleg receives his bachelor's degree from NYSCAS he intends on pursuing his career in

biology by attending graduate school. Research has always been his driving force and Oleg Yefimenko will continue assisting students in the NYSCAS lab and look for new formulas for experimentation.



Identity Theft, Data Breaches, Hacking: You Need a Degree in Criminal Justice!



In today's technological society the need for security becomes more and more apparent with each daily newspaper headline; hacking, data breaches, identify theft, and so much more. We are in a way, still in the infancy of technology continually making new discoveries and finding that we must also make new rules and laws when it comes to this exciting new field. As this new domain continues to expand with drones, GoPro Cameras, smartphones, credit cards with chips, electronically operated cars, and more, corporations and small business owners find themselves in the clutches of new perpetrators. No longer are criminals breaking into brick and mortar establishments, they are scanning and stealing data from our purses, smart phones, bank accounts, and medical records.

In the new millennium we have a different type of criminal and a new class of crime, the cyber thief. We will require new techniques to stop these perpetrators so an essen-

tial career in prevention has surfaced, criminal justice. The New York School of Career and Applied Studies, a division of Touro College is proud to introduce a new major for those seeking an associate's degree in the field of criminal justice. The field has just about exploded with careers and positions in many areas including:

- **Law enforcement – Criminal Justice is a good major for police officers who wish to become detectives. The NYC Police Academy now requires its recruits to have a minimum of 60 college credits before they will accept you into the academy.**

- **Customs Officers**

- **Department of Immigration and Naturalization**

- **Department of Homeland Security**

- **Bank Fraud**

- **Accounting Fraud**

- **Border Guards**
- **Security Companies**
- **Forensics**

The demand for more security makes an education in criminal justice a necessity and a valuable degree. Gone are the days that hackers might invade your computer. Hackers may break through firewalls and could hack into your bank accounts, medical records and your photographs on the cloud. Your privacy is no longer guaranteed when you browse the internet, shop online or make purchases with credit cards. Just last year, Home Depot, Blue Cross/ Blue Shield and other major establishments were the victims of hackers and fraud. Your valuable information may be taken to be used in identity theft. If you are pursuing a bachelor's degree in information technology you might want to investigate classes in criminal justice as a minor. Or if its an associate's degree you are pursuing and have an interest in security,

criminal behavior or forensics – then criminal justice might be the major for you. The degree will help you become a valuable employee for security companies, the New York City Police Department, Homeland Security, private investigation agencies and corporations.

Classes in the criminal justice associate's degree include: Introduction to Criminal Justice, Introduction to Criminology, Fundamentals of Criminal Law, Ethics in Criminal Justice, Crime and Juvenile Delinquency, Introduction to Corrections, Court System and Practices, Introduction to Police Studies, Introduction to Forensic Science and Selected Topics in Social Deviance.

If you are interested in studying criminal justice and an earning an associate's degree – please contact Brent Cutler, Administrative Director of Criminal Justice, at 212-463-0400 x5753. You can also register online for all your classes at NYSCAS.Touro.edu.



New York School of Career and Applied Studies

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To join our mailing list email
Deborah Becker at
deborah.becker@touro.edu

Touro is a system of Jewish sponsored non-profit institutions of higher and professional education. Touro College was chartered in 1970 primarily to enrich the Jewish heritage, and to serve the larger American community. Approximately 18,000 students are currently enrolled in its various schools and divisions. Touro College has branch campuses, locations and instructional sites in the New York area, as well as branch campuses and programs in Berlin, Jerusalem and Moscow. Touro University California and its Nevada branch campus, as well as Touro College Los Angeles, are separately accredited institutions within the Touro College and University system. For further information on Touro College, please visit us at Touro.edu.

Touro College is an equal
opportunity institution.

For Touro's complete
Non-Discrimination State-
ment, please visit Touro.edu.



Richard Green Communication Club's Speech Contest

The Communication and Speech Club held their "18th Speech Contest" last semester. Students competed for monetary prizes and accolades from faculty and peers. The finalists were: (1st prize) Tsippora Youseflalen, "Educational Advancements for Children and Adults with Learning Disabilities," (2nd prize) Samuel Safren, "The Holocaust," (3rd prize) Avis Bascom, "Legalization of Marijuana." Honorable mention; Bella Aron, "Prenatal Genetic Altering," Nicole Colvin, "The Importance of Malcom X," Carolyn Lamy, "Willie Lynch Lives," Rodshel Nisanov, "Marijuana," Nndi Onwuka, "Igbo Culture," and Amandeep Singh, "Pros & Cons of GMOs."



(top left to right) Avis Bascom, Nndi Onwuka, Bella Aron, Samuel Safren, Rodshel Nisanov, Nicole Colvin, Carolyn Lamy, Amandeep Singh. Judges: Prof. Michael Walters, Touro College Librarian Carrie Levinson, Associate Dean of Students Timothy Taylor and Associate Dean of Faculty Leon Perkal.

Touro NYSCAS Tempo is the newsletter of Touro College's New York School of Career and Applied Studies. NYSCAS serves New York City's diverse population at sites throughout Manhattan, Queens and Brooklyn.

If you are a NYSCAS community member with an interesting story or accomplishment, you can schedule an interview with *Tempo's* editor, Deborah Becker, by visiting Room 312 or calling 212-463-0400 x 5572. Students can also submit short articles of 100-250 words to receive a byline and have their writing featured in the newsletter along with their picture. Student articles are accepted on a case-by-case basis and are edited for style and content.