



SCIENCE SCHOLARS...Olivia Tobey, pictured left, and Kelly Lawrence of Scotch Plains, rising seniors at The Wardlaw+Hartridge School, begin a research project in molecular biology and bioinformatics at the Waksman Student Scholars Program.

Students from Scotch Plains Explore Future of Science

SCOTCH PLAINS -- Scotch Plains residents Kelly Lawrence and Olivia Tobey, rising seniors at The Wardlaw+Hartridge School in Edison, are participating in the prestigious year-long 2018 Waksman Student Scholars Program (WSSP). Joined by their W+H teacher Susan Zusman, Ed.D., the girls began the program by spending an exciting three weeks in July at the Summer Institute at Rutgers University, during which they received intensive training on STEM research projects.

The WSSP provides opportunities for high school students and their biology teachers to participate in, and contribute to, an authentic research project in molecular biology and bioinformatics. This year's research project focuses on the DNA sequence analyses of genes from duckweed, a fresh water aquatic plant, which is of interest to the scientific community because of its use in bioremediation and its potential use as a biofuel. Students used current molecular biology lab protocols to isolate and analyze the duckweed genes. They sequenced the DNA samples to determine if they are similar to genes from other organisms using bioinformatics programs and accessing databases used by research scientists every day.

"Going into the program I thought that I would gain a more fundamental understanding of bioinformatics. Not only did I learn more about bioinformatics, but I learned new lab techniques and new things about plant biology," Kelly said. "I really enjoyed gaining bioinformatics and lab experience with one of my friends. The things I learned during the program will surely help me on a Pre-Med track in college."

The students and Dr. Zusman enjoyed learning the techniques needed to be part of a federally funded research program at the Waksman Institute.

"I can't say enough about the girls. They worked so hard and learned so much," Ms. Zusman said. "It was an intensive course that was difficult but

very interesting. I'm very impressed with the girls. They did some things that blew my mind."

During the 2018-19 academic year, these students will assume leadership roles in the W+H Honors Research course, sharing their knowledge and guiding the research directions under the watchful tutelage of Ms. Zusman. Olivia and Kelly will be teaching assistants for the Honors Research in Molecular Science and Technology course during the upcoming school year.

"I'm very excited to help my classmates learn and hope that they enjoy and are interested in the subject matter," Kelly said.

Students enrolled in the course at W+H will have the opportunity to submit DNA sequences to be published and used by the scientific community.

"This technology is the future of science," Ms. Zusman said. "Most bio and chem labs are using this technology now and it just keeps improving. This will be the basis for medicine and this is where the future is. That's why it's so important that kids get a chance to learn this."

"This is an incredible opportunity and continues the upward trajectory of our research initiatives at Wardlaw+Hartridge," added Bob Bowman, Ed.D., Upper School Head.

Bunting of Westfield Named to Dean's List

WESTFIELD -- John Bunting of Westfield was named to the dean's list for academic excellence for the spring 2018 semester at John's Hopkins University.

To be selected for this honor, a student must earn a grade point average of 3.5 or higher on a 4.0 scale in a program of at least 14 credits with at least 12 graded credits.

John is the son of Robert and Dana Bunting. John, who is majoring in international studies, will graduate in May 2019.

HONOR ROLL

Edison Intermediate School - 4th Marking Period

Grade 7 Honor Roll

Catherine Angel, Aidan Arabatzis, Ronnie Aronson, Michelle Audino, Maya Azeem, Nathan Bass, Eric Bautista, Alexandria Becker, Leah Becker, Anna Bongiovanni, Kyle Bradley, Sophia Braun, Carter Brillantes, Eric Buecklers, Juliana Cardoso, Max Chang, Matthew Christian, Ethan Composto, Julia Corsentino, Chiara Cosenza, Valentina Cosenza, Imperio Cuccaro, Jessica Currie, Jessica D'Agosta, Nicholas Dalessio, Gabriel Dayon, Lindsay Doyle, Alexa Dudkiewicz, Jeremy Dudzinski, Daniel Duffy, Logan Elfstrum, Sophia Ernetta, Serhat Erparlak, Paige Felter, Ethan Fink, Daisy Gonzalez, Logan Hahn, Kevin Halleran, Thomas Halloran, Aidan Harper, Nicholas Healey, Gabriella Henriques, Donovan Hickey, MinJae Hong, Kassi Horton, Logan Hunt, Chelsea Hynes, William Kahney, Theo Karter, Joshua Kelly, Timothy Kobin, Andrew Kornfeld, Sofia Korotka, Ava Koslowsky, Hannah Krihak, Samuel Laitman, Derek Lam, Lauren Lane, Patrick Lanza, Juan-Diego Lara, Mikkel Larsen, Madeline Lechner, Jessica Lee, Christopher Lin, Jack Linsen, Zihan Liu, Brigham Luna Santamaria, Cristian Marquet, Thomas Matt, Sofia Mauryshchau, Joshua Metz, Albert Michael, James Miller, Phineas Mindak, Iskandar Mirtagavi, Connor Mitchell, Sophia Narciso, Alexander Nematadzira, Fiona North, Katherine O'Connor, Alessandra Pacifico, Gabriel Pastore, Sofia Pinto, Andrew Popa, Emily Rego, Brennan Restivo, Juliana Ripper, Carly Rodrigues, Olivia Rosario, Amanda Rosenthal, Lily Roth, Olivia Ruiz, Maximus Russitano, Lucie Saint-Denis, Chloe Samet, Jolie Schreiber, Samuel Schupak, Alan Silva, Evan Sinocchi, Devon Snyder, Jessica Strauss, Matthew Sturchio, Ethan Tan, Joelle Tannenbaum, Perry Tarleton, Nancie Tieri, Luke Vaccaro, Youhao Wang, Ziyi Wang, Kendall Wernes, Jessica White, Georgia Whitman, Mackenzie Wilson, Rachel Witzel, Ethan Yucetepe

Grade 8 Honor Roll

Ethan Abrams, Olivia Alpizar, Raquel Azevedo, Zander Barraza, Peter Bennett, Julia Bernardes, Ava Bracco, Samuel Broaddus, Aden Brooks, Hailey Bruder, Olivia Bryan, Elijah Burke, Jordan Cafiero, Sara Cagnassola, Kalea Calugay, Seth Camacho, Antonio Carrero, Christopher Cho, George Claiborne, Charlotte Cohen, Justin Colby, Adam Contract, Emma Coyle, Michael Cunningham, Sean Czarniecki, Nicholas Deis, Melissa DiDario, Shannon Doyle, Genevieve Duguid, Samantha Eisman, Carmen Fiorindo, Jenna Foley, Emilia Fowler, Ronan Fowler, Celia Frank, Mia Freidberg, Aaron Friedman, Patrick Gallagher, Riley Gasson, Chloe Gavula, Amelia Golub, Emily Gordon, Daniel Guerrero, Colin Guinane, Eric Harnisher, Emma Heinze, Steven Hess, Evan Hickey, Reagan Hickey, Matilda Horn, Logan Howland, Ashley Hu, Charles Iannuzzi, Vivian Jeckell, Andrew Jiang, Melinda Joseph, Triselle Ellise Jutaco, Nathaniel Katz, Samantha Katz, Maximilian Kiefer, Naija King, Timothy Lane, Gerard Lang, Amira Lee, Nya Lee, Adrianna Link, Brinley Linsky, Catherine Lopez, Kayla Louison, Brianna Lourenco, Alivia Macaluso, Joshua Madera, Matthew Madrigal, Jack Martin, Michael McKenna, Erin McKinney, Parker Miesch, Katherine Miles, Samantha Morales, Torrin Murray, Shirzad Mustafa, Avalon Nadeau, Kayla O'Brien, Madelin O'Connor, Chloe Oliveira, Gregory Oliveri, Nicolas Panora, Emma Petrassi, Madelyn Pinchuk, Joshua Pinkhasov, John Price, Christian Prip, Grace Raber, Daniel Ramdath, Erin Reyes, Dylan Richards, Anna Rickard, Amanda Rickert, Manuela Rodrigues, Brandon Rodriguez, Max Rokhsar, Karishma Sachdev, Anthony San

Giacomo, Sarah Sandak, Carly Saunders, Colman Scanlan, Theo Shapiro, Ellie Sherman, Payton Silverman, Sophia Spadaro, Lauren Stone, Kimberly Su, Jake Toth, Victor Uehara, Samara Useloff, Cotler Vierschilling, Ethan Weinberg, George Wen, Amanda Werner, Eden Wilcomes, Catalina Woolard, Natalie Zelechowski, Jason Zheng, Patrick Zong

Grade 7

Distinguished Honor Roll

Zachary Albert Halevy, Evan Alexander, Sophia Andersen, Abigail Bebel, Isabella Broaddus, Mattia Butera, Klara Butler, Paul Cerro, Kevin Chen, Matthew Chen, Catherine Collins, Julia Consales, Owen Craig, William Crall, Edward Davenport, Rohan Davies, Elaine Deignan, Anushka Desai, Allison DiFalco, Jessica Dianda, Maya Dias, Natalie DuHaime, Sayee Edekar, Matthew Epp, Hannah Everett, Olivia Falletta, Kaelin Ferguson, Jackson Gagliardi, Joseph Gamba, Ryan Gasson, Gabriela Gil, Sophia Guerrero, Jane Guglielmo, Kyle He, Sean Henderson, Isabella Hill, Luke Hobbie, Morgan Howland, Jillian Isaacman, Gabriel Jackson, Sharanya Jairam, Olivia Janaczek, Nikhil Jyotishi, Ariana Keith, Emma Kelesoglu, Grace Kelly, Sarah Klemm, Yusuf Lee, Caroline Li, Michael Liebermann, Audrey Luka, Leo Mangiamelo, Andrew Matus, Luke Mokrzycki, Alessandra Muller, Peter Palles, Isabella Panora, Josefina Rios, Blanche Ronget, Jack Rothfleisch, Alyssa Rubenstein, Seth Seiden, James Silecchia, Hannah Staviv, Julia Sugrue, Kevin Sun, Carolyn Tananbaum, Vicky Tang, Annika Vesuna, Grace Waibel, Sophie Waibel, Ryan Waldman, Jenna Weinberg, Emily Weinstein, Nathan Welsh, Brooke Williams, Madison Wright, Sophia Xing, Clara Yu, Felix Yu, Taylor Zinnie

Grade 8

Distinguished Honor Roll

Justin Anderson, Emma Aronowitz, Aleksandra Baker, Samantha Bauer, Amy Broughton, Mia Bryson, Cayla Capistrano, Luca Celentano, Brooke Colannino, Sean Crann, Conor Daly, Kimberly DiFilippo, Chelsea Duan, Emily Engel, Hannah Frankhouser, Andrew Galella, James Gefken, Mark Gialluisi, Alexa Gonzalez, John Gonzalez, Manuel Gonzalez, Rachel Hu, Anjali Jain, Shreya Jyotishi, James Kaprowski, Michael Klikushin, Sean Koellhoffer, Trinity Koetje, Casey Laguna, Cynthia Li, Sydney Logozzo, Alexa Lourenco, William Maguire, Margaret McCauley, Emily Molen, Katherine Palmer, Griffin Pardo, Katey Peretz, Lindsey Pietrewicz, Nicole Pilch, Ava Pravlik, Lillian Qin, Sofia Regencia, Zachary Roitman, Olivia Ruhnke, Jack Saunders, Alina Scantlebury, Charlotte Schwartz, Carson Sharkey, Noelle Shih, Benjamin Spergel, Vijay Sreenivasan, Fiona Strout, Gillian Strout, Matthew Swenson, Ashley Talwar, Takekuni Tanemori, Evan Tompkins, Kate Urbinato, Victoria Vaca, Zhana Velkov, Brendan Walsh, Thomas Walsh, Kevin Warren, Alina Xi, Amy Xiao, Isabella Xiong, Kevin Yang, Yuchen Yang, Jessica Zdep, Kaiyang Zhu, Sarah Zong

Mother Seton Regional High School To Hold Open House

CLARK -- Mother Seton Regional High School is to hold an open house on Sunday, September 23, at 1 p.m. for girls grades 5 through 8. The Future is Hers.

Mother Seton is located at One Valley Rd. Clark, N.J. 07066.

For more information, please call (732) 382-1952 or visit www.motherseton.org.

Dr. Sara Karlin, D.D.S., Joins Westfield Pediatric Dental Group

WESTFIELD -- Westfield Pediatric Dental Group is pleased to announce that Dr. Sara Karlin will be joining our practice this August. Dr. Sara Karlin received her Bachelor of Science degree from the University of Maryland, College Park, and completed her D.D.S. at the University of Maryland School of Dentistry. Dr. Karlin pursued her specialty training at New York University and Bellevue Hospital Center, earning a certificate in Pediatric Dentistry. Treating patients at the Rose F. Kennedy Center during residency afforded Dr. Karlin the opportunity to skillfully treat patients with special needs. Dr. Karlin's compassionate approach to patient care allows her to

connect with her patients while providing comprehensive dental care.

Dr. Karlin is certified in Pediatric Advanced Life Support (P.A.L.S.) and Basic Cardiac Life Support (B.C.L.S.). She is a member of the American Academy of Pediatric Dentistry and the American Dental Association.

Dr. Karlin currently resides in Manhattan and enjoys spending time with friends and family. In her free time, Dr. Karlin enjoys spending time outdoors, singing, Broadway shows, and playing tennis.

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A TUSCAN VIEW...Students pose with "chants up" while visiting Cortona. Lexa Samer, of Westfield, a communication major at Coastal Carolina University, spent the month of May in Arezzo, Italy, learning about Italian history and culture in the Coastal in Tuscany study abroad program.

Lexa Samer of Westfield Studies Abroad in Tuscany

WESTFIELD -- Lexa Samer, a communication major at Coastal Carolina University (CCU), from Westfield, spent the month of May in Arezzo, Italy, learning about Italian history and culture in the Coastal in Tuscany study abroad program.

Students in the Coastal in Tuscany program studied in Arezzo, Italy, one of Tuscany's most scenic and historic walled cities. The historical site of Arezzo dates back to the Iron Age, and became a center of considerable importance during the period prior to the establishment and expansion of the ancient Roman Republic. The city's continued cultural heritage is evident in noteworthy Roman, medieval and Renaissance architecture and artworks.

During their stay in Arezzo from May 7 through 31, students became familiar with Italian social life and other practices of daily life, including traveling, dining out, shopping and

more.

The Coastal in Tuscany program has a strong focus in humanities and arts. Students explored some of Italy's most famous sites of artistic and historic merit. Additional sites visited include Florence, Fiesole, Orvieto, Siena, Rome, and others.

The program was based at the Accademia dell'Arte's Villa Godiola in Arezzo, an American artistic and educational center that provides housing, classroom space, support services, and meals. The staff at the Accademia included both Americans and Italians.

CCU faculty led the students on the study abroad program and instructed Italian and arts Core Curriculum courses.

CCU is a dynamic, public comprehensive liberal arts institution located in Conway, just minutes from the resort area of Myrtle Beach, S.C.

Union County Awards 63 'HEART' Grants

AREA -- The Union County Board of Chosen Freeholders announced that 63 artists, historians and local non-profit organizations will receive funding through the 2018 Union County HEART (History, Education, Arts Reaching Thousands) Grant Program.

"The recipients of HEART Grants are a wonderful mix of creative individuals -- composers and writers, historians, visual artists, musicians and dancers -- along with arts, history and cultural organizations and civic groups," said Freeholder Chairman Sergio Granados.

The Freeholder Board established the HEART Grant Program in 1998, in recognition of the importance of culture and the arts to the Union County economy and quality of life.

The innovative program supports projects that directly benefit the residents of Union County, that enhance appreciation for the arts, history, and the humanities, and raise awareness that cultural assets are a vital part of community well-being, economic development and cultural heritage tourism in Union County.

Total funding for this year's grants is \$100,000. The following individuals and groups in the *The Leader/Times* circulation area received awards:

Brian Beste, Fanwood, \$1,000, presenting photography workshops; Candace Waller, Fanwood, \$1,000, providing free dance classes; Lowell Schantz, Westfield, \$1,000, presenting two free jazz concerts in Union County libraries; Borough of Fanwood, Fanwood, \$1,800, presenting a Fanwood Cultural Arts Performance Series; Cranford Housing Board, Cranford, \$1,000, presenting "Three Po' Tenors" in concert for senior residents; Hanson Park Conservancy, Cranford, \$600, presenting "John Bartram Lives" program; Jew-

ish Community Center of Central NJ, Scotch Plains, \$2,000, presenting a cultural appreciation series for Seniors; Life Drawing Studio Group, Fanwood, \$1,800, providing visual arts workshops; Music for All Seasons, Scotch Plains, \$2,500, presenting music programs for U.C. Juvenile Detention Center; New Jersey Festival Orchestra, Westfield, \$1,700, presenting live concert "Home for the Holidays"; New Jersey Workshop for the Arts, Westfield, \$1,000, provide chamber ensemble concerts; Second Westfield Senior Citizens Housing, Westfield, \$1,000, providing an interactive education program for Seniors; Union County Educational Services Commission, Scotch Plains, \$2,025, providing interactive music programs to students; Westfield Neighborhood Council, Westfield, \$2,000, presenting dance workshops.

Artists, educators, civic and historical non-profit organizations seeking information about next year's HEART Grant Program can contact the Union County Office of Cultural and Heritage Affairs, 633 Pearl Street, Elizabeth, NJ 07202. Telephone: (908) 558-2550. NJ Relay users dial 711, or e-mail culturalinfo@ucnj.org.

Local Students

Earn Degrees from UW

AREA -- Nearly 7,500 students received degrees during the University of Wisconsin-Madison's spring commencement ceremonies, held May 11 and 12.

The ceremony for doctoral, MFA and Medical Degree graduates was May 11 at the Kohl Center, bachelor's, master's and law graduates received their degrees May 12 at Camp Randall.

Max Liben, of Mountainside, graduated from the College of Engineering, Bachelor of Science-Mechanical Engineering, Mechanical Engineering.

Sophia Goldschmidt, of Westfield, graduated from the School of Business, Bachelor of Business Administration, Business: Marketing, Business: Operations and Technology Management.

Daniel Kuhn, of Westfield, graduated from the College of Letters and Science, Bachelor of Arts, Economics, International Studies.

Westfield Students Earn Pres. List At W&L Univ.

WESTFIELD -- Jennifer Bagger of Westfield, a member of the Class of 2019, and Chi Shing Adrian Lam of Westfield, a member of the Class of 2021, earned President's List status for the recently ended academic year.

The President's List comprises the top echelon of students among full-time, degree-seeking undergraduates, as determined from those with at least 24 W&L-graded credits contributing to the GPA.

Washington and Lee University, the nation's ninth oldest institution of higher education, is among the nation's premier liberal arts colleges and universities.

Westfield Pediatric Dental Group



Dentistry for Infants, Children Adolescents, and Special Needs

- New Patients Welcome
- Laser Dentistry
- In Office General Anesthesia

Timothy P. McCabe, D.M.D.

Board Certified

Julie Jong, D.M.D.

Board Certified

Kelly Walk, D.D.S.

Board Certified

John Chang, D.D.S.

Board Certified

Sara Karlin, D.D.S.

908-232-1231

555 Westfield Avenue, Westfield www.kidsandsmiles.com