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CSU Honors & Scholars Department

KRISTA FREEMAN THE FALL 2011 VALEDICTORIAN

Congratulations to KRISTA FREEMAN, a University Honors student double majoring in Physics and Mathematics for being honored as the University's valedictorian. Krista will receive her award at the Fall graduation ceremony in December.



"Opportunity is missed by most people because it is dressed in overalls and looks like work."

~Thomas Edison



Katlin Vandemark

Honors and University Scholars students continue to be active in research at CSU. More than a dozen participated in the Summer Undergraduate Research Experience and presented posters early in the Fall. Two active student researchers recently were recognized for their outstanding work:

Kaitlin Vandemark (Physics) attended the **National Conference for Undergraduate Women in Physics 2011 (WoPHY 2011)** held at the University of Nebraska – Lincoln (Oct

20-Oct 22, 2011). Her poster "Thermally responsive Polypeptide Nanoparticles: Design and Characterization" won the Outstanding Undergraduate in Physics Award, which is a significant achievement. The research project presented by Kaitlin is an ongoing collaboration between Dr. Kiril Streletzky's lab and the lab of Dr. Nolan Holland from the Department of Chemical Engineering. Kaitlin also won a travel grant (\$150) from the conference organizers to help her pay for the travel.

Carolina Parada (Biology) received the Undergraduate

Award from the Graduate Student Interdisciplinary Research Club of CSU for her poster presenting her research involving stem cells -- she won this award in competition with students from a variety of area universities and was invited to present her poster at the Research

Symposium and Poster Competition conducted at Case Western Reserve University. Her presentation at Case also impressed the judges – Carolina won that competition as well!

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Carolina Parada



STUDENT NEWSLETTER WINS NCHC AWARD

The Honors student newsletter, *Four Point 0*, recently learned that it had won first prize in the annual competition, held by the National Collegiate Honors Council, for newsletters produced by Honors students. The competition is open to all honors programs and colleges in the United States, so CSU's students were judged best in the entire country. *Four Point 0* is produced entirely by stu-

dents, with only advisory help from a faculty member. It is a newsletter by and for Honors students, containing information about the program, its students, and issues of interest to participants in the program. Each semester, a group of Honors students enrolls in a one-credit course in which the newsletter is developed. They brainstorm about stories, do the research, write and edit the stories

themselves, and collectively design the newsletter, with some help from a student in graphic design. The newsletter comes out twice a year, in Fall and Spring. Keep an eye out for the next issue, which should be available in December.



NEW HONORS STUDENTS



Arit Umana

The Honors program welcomed a new class of 40 freshmen and 20 juniors to CSU this year. This was the strongest and most diverse class of incoming Honors students to date, with average ACT scores above 30 and a significant number of students who had already earned college credit



(through AP, IB and PSEO) before arriving at CSU. Our junior admits were also impressive – only 20 were chosen from among 90-plus applicants. We're looking forward to working

with these new students over the next several years.



RESEARCH ACHIEVEMENTS

Continued from page 1

Many honors students present their research at professional meetings and/or publish papers in professional journals. Here are just a few of the most recent examples (Honors student in bold type):

KA Streltzyk, **K Vandemark**, A Ghoorchian & N Holland, "Exploring Structure, Shape, and Dynamics of Elastin-like Polypeptide Nanoparticles," American Physical Society March Meeting 2011, Dallas, TX, March 21-25, 2011.

A Ghoorchian, **C Seitz**, KA Streltzyk, T Hugel, NB Holland, "Controlling the size of thermally responsive micelles using mixtures of linear and three-armed star polypeptides," 241st American Chemical Society National Meeting, Anaheim, CA, March 27-31, 2011.

Richter, H. and **Maynard, R.E.**, 'Hybrid-Dynamical Modelling, Characterization and Experimental Verification of a Free-Wheeling

Clutch', Proceedings of the Institution of Mechanical Engineers, Part I, Journal of Systems and Control Engineering, v.224, N.14, pp. 361-372, 2010.

John Vincent, Dan Morris, Nathan Usher, Zhiqiang Gao, Shen Zhao, **Achille Nicoletti**, Qinling Zheng "On active disturbance rejection based control design for superconducting RF cavities", *Nuclear Instruments and Methods in Physics Research A* 643 (2011) 11-16

Sara L. Brunswick, David W.

Ball. "Working Towards Greener High Energy Materials. DFT Calculations on Nitrate 3,6-Dihydro-1,2,4,5-Tetrazine" *Computational and Theoretical Chemistry* 2011, 963, 154 - 60.

Z. Li, L. E. Buerkle, **Max Orseno**, K. A. Streltzyk, S. Seifert, A. M. Jamieson, and S. J. Rowan, "The Structure and Gelation of Tunable Guanosine-Based Supramolecular Hydrogels", *Langmuir*, **26** (12), 10093, (2010).





Recent Honors Grad Adina Feigenbaum Interns at NASA

Adina Feigenbaum, a Graphic Design major who graduated from the Honors Program in Spring of 2011 recently completed a summer internship at NASA. Adina and her collaborator (CSU grad Nick Matej) worked on a series of animations designed to increase NASA's appeal to a new generation of students. Some of the work they com-

pleted is now featured on NASA web page: <http://www.nasa.gov/exploration/systems/mpcv/students.html>

Adina is now a graduate student in the MFA Program at Kent State University.



Adina Feigenbaum

ALUMNI ASSOCIATION

The Honors Program is in the process of organizing an alumni association, to represent and bring together the 200 or so students who have completed the program and earned

We're starting to get back in touch with alumni and we're enjoying finding out what they're up to. Quite a few have gone on to graduate and professional programs, so

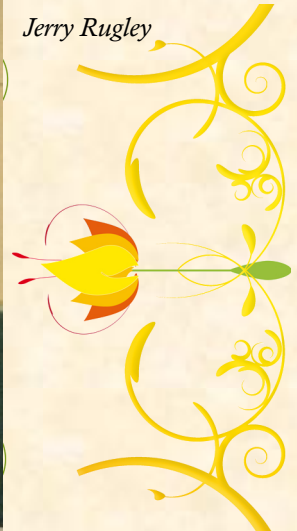
{ *"Jerry Rugley is serving as the Alumni Association's first president."* }

University Honors in the first eight years of its existence. Jerry Rugley (the very first graduate of the program) is serving as the Association's first President. We've had several Council meetings and are planning to organize a service day (and lunch) in the Spring, probably in connection with Make A Difference Day.

they're still in school. But, others have already established themselves in professional employment, both in the Cleveland area and around the country. We're hoping that many of them will come back to campus in the Spring so that we can find out more about their achievements.



Jerry Rugley



WELCOME MARIE BLAKEMORE



Marie Blakemore recently joined the Honors staff, filling the Secretary's position left open when Colleen Prendergast decided to go back to school to get a Masters degree in Art History. Marie comes to CSU from University Hospitals, where she previously worked. We're already enjoying working with her and hope that she'll quickly become part of the CSU community.

*Marie Blakemore
Honors Department Secretary*

Cleveland State University
Honors Programs



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