



CUE NEWSLETTER

Table of Contents

Campus International School

Sponsored Events and Invited Talks

Research, Grants, and Scholarships

Community Partnerships

Director's Acknowledgments and Thanks

Message from the Director



Since opening in the Fall of 2010, the CUE has been extraordinarily successful in carrying out its mission. An ongoing challenge for me as the Director of a new Center has been able to set aside time to reflect on all that has been done so far. This inaugural newsletter offers a glimpse into what is happening at the Center. The staff and Faculty Associates of the CUE have been very busy. In less than two years, we have served on 15 funded grants, totaling to about \$6 million in awards. These grants include a wide range of projects funded by the National Science Foundation (NSF), U.S. Department of Education, Ohio Board of Regents, Association of American Medical Colleges, local school districts, and foundations. At this time, the CUE is serving on more than \$50 million in grant proposals that are pending, with at least \$10 million in grants currently in preparation.

The Center's success in securing external grants has been founded on strong and growing partnerships in the urban education community, with a focus on interdisciplinary research and evaluation services that can effectively address the practical needs of districts, school buildings, and organizations. Faculty, staff, students, and administrative leadership across five different Colleges at CSU have been involved in grants and programs supported by the Center. The CUE looks ahead to a bright future as we pause for a moment and recognize its many accomplishments.

Please visit our website as we continue to make regular updates at:
<http://www.csuohio.edu/cehs/centers/cue.html>

Campus International School

Readers are encouraged to visit the CIS website available through the Menu link on our homepage to find out about what is happening at CIS. CIS has its own newsletter called the *Campus Communicator*. Here we highlight only some of the many activities and events that occur within our partnership.

1st Annual OneWorld! Soiree

After moving into the Cole Center this summer, Campus International School kicked off the new school year with its first fundraising event that offered an evening of international food, entertainment and fun for over 400 guests. Over the past two years, CIS was located in the First United Methodist Church on Euclid Ave. The CUE was pleased to help sponsor the event planned by Party411. The Event Co-Chairs, Katia Schwarz and Robin Fraser, serve on the CIS Advisory Board and Parent Caring Organization. To see photographs of the event, please visit “Special Events” on the CUE’s homepage.



Professional Development Task Force

In May 2011, the CUE sponsored a three-day visit by Professor Lei Teitel from Harvard University. Dr. Teitel is an expert in professional development schools. Campus International School, CMSD, and CSU stakeholders participated in a series of workshops provided by Dr. Teitel. The dialogue and strategic planning that emerged from his visit was extremely helpful in creating a process for CSU and CIS to move to the next

stage of transformation. This process led to the creation of a Professional Development Task Force composed of three committees: (a) Crossover Teaching, (b) IB Curriculum, and (c) Evidence Based Impact. This task force provides an infrastructure and organizational template for our partnership to focus its efforts upon in the future.

Campus International School Research Award Program

In the Spring of 2010, the CUE launched the CIS Research Program. This program was designed to support the goals of the PDTF through three types of awards: (a) Capacity Research Award, which funds \$20,000 for any full-time faculty, (b) Student Fellowship Award, which funds \$15,000 for any eligible graduate student, and (c) Mini Research Awards of up to \$1,000 each for full-time faculty at CSU. In April, the CUE announced the winners of the first year in which this program was established. Dr. Jeffery Brudney, Professor and Albert A. Levin Chair of Urban Studies and Public Service in the Maxine Goodman College of Urban Affairs, was given the Capacity Research Award for his project entitled, "Establishing a Volunteer Center at CIS: Concept, Implementation, and Results." This school center at CIS will be the first of its kind in the nation. An online, interactive volunteer website will be created to facilitate the engagement of parents and other volunteers at CIS. Recently, Dr. Brudney accepted a

position at the University of North Carolina at Wilmington. His work has been carried on by Sharon Bliss in the Maxine Goodman Levin College of Urban Affairs.

Lindsey Glass, a PhD Candidate in the Urban Education Doctoral Program, Policy Studies Specialization, was given the Student Fellowship Award for her project entitled, "An Ethnographic Study of Campus International School." In this study, Ms. Glass will examine the nature of the partnership between CSU and CIS and CMSD using qualitative research methods. Before receiving this award, Ms. Glass served as a Graduate Assistant working 20 hours per week at Campus International School.



Advisory Board

In April of 2011, Dr. Perry joined the Advisory Board at Campus International School, or "Friends of Campus International School." The Advisory Board is composed of members from CIS, CSU, and the greater Cleveland area, including parents at Campus International. The Advisory Board was designed to engage and leverage the commitment and expertise of diverse community partners in supporting the mission of CIS.

Love & Logic

In July of 2011, the CUE sponsored two CIS teachers, Heather Snyder and Sheila O'Rourke, to attend a Love & Logic Institute held in Denver, *Teaching with Love & Logic*, with the goal of incorporating the Love & Logic model into the IB curriculum at CIS.



A complete set of training materials was provided at the conference for Ms. Snyder and Ms. O'Rourke to share with staff. Attendance at the conference sprung from a Faculty

Research Development Grant awarded to Dr. Kathie MacCluskie, Professor in CASAL, and Dr. Tony Menezes, Associate Professor in Teacher Education, entitled "Toolbox for Teachers: Evaluation of an Innovative Professional Development Program." This interdisciplinary approach investigated a behavioral management program for teachers. A single-subject design was employed to examine the impact of the PD activities on a sample of students identified with behavioral concerns. Two graduate students in the school counseling program at CSU were provided Graduate Assistantships to collaborate with teachers in collecting the data.

Imagination Playground, iPad Lab, and IB materials

In July of 2011, the CUE purchased an Imagination Playground in a Cart to support student play at CIS. The students have enjoyed the ability to use this mobile playground during recess and after school. In December of 2011, the CUE purchased an iPad 2 Learning Lab to support student learning, including the provision of multiple apps consistent with the IB curriculum, as well as iPad Smart Covers. Every teacher is able to use the Learning Lab. The CUE intends on continuing to support student learning with new technology. Finally in January of 2012, the CUE provided binders and tabs for CIS in order to support its IB accreditation process.



Professional Development at Conferences

In addition to supporting the Love & Logic Institute, the CUE was pleased to sponsor five CIS teachers' attendance at the 2012 Professional Development Schools National Conference: Mary Grzelak, Pat Fairman, Sheila O'Rourke, Heather Snyder, and Katie Jeffery. The conference was held in Las Vegas. The CUE also supported Mary Grzelak's participation at a conference in Cleveland for "Race, Religion, and Culture - the Atlantic World." This conference fitted naturally with the international focus at CIS.

CSU Writing Project

This project is directed by Dr. Terri Purcell, Associate Professor of Literacy Education. It began at CIS in January 2012 and will continue in 2012 – 2013. It is provided to students in the 3rd grade at CIS. The CUE was pleased to sponsor a Graduate Assistant, Jennifer Hallquist, to assist Dr. Purcell's work. Ms. Hallquist is a Master's student in the Mild/Moderate Intervention Specialist Licensure K-12 program. The CSU Writing Project is a comprehensive writing program designed to foster student development and understanding of the writing process. Focusing on expository text structure, a specified small group instructional model is used, providing students with the most supportive form of instruction.



IB Learning Profiles: A Methodology Study

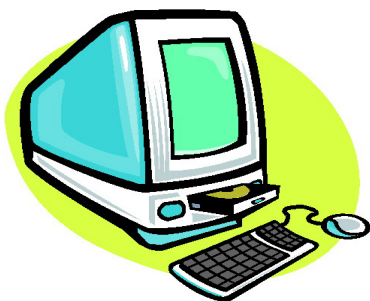
Based on a collaborative partnership between researchers at the University of Akron and CSU, this study investigated how attributes of the International Baccalaureate (IB) learner profile were manifested in teacher and staff self-perceptions as well as in classroom practices at CIS during the 2011 – 2012 school year. The unique methodology, known as QMethod, provided a vehicle for uncovering and identifying a range of opinions, consisting of cards containing statements which participants force ranked from -5 (“Most unlike my view”) to +5 (“Most like my view”) and then recorded onto their individual Q grid data sheets. The results suggested two factors emerged for both Q sorts. For IB self-perceptions, two factor groups were labeled as “Affective Faculty Members” and “Balanced

Risk Takers.” for IB instructional practices, two factor groups were labeled as “IB Philosophers” and “Experienced Decision Makers.” Dr. Kristine Still, Associate Professor of Early Literacy at CSU, Dr. Linda Collins, Educational Consultant at the UA, and Dr. Jaclyn Gordon, Visiting Assistant Professor in the Department of Curricular & Instructional Studies at UA, presented these findings through a number of scholarly venues.



AIMS Web Project

During the 2011 – 2012 year, Dr. Denise Brown-Triolo, Lecturer in the Department of Psychology and a CIS parent volunteer,



started a school wide academic benchmark screening project using AIMS web, a web-based literacy and numeracy

testing product available through Pearson Publishing. This program is similar to other benchmark testing programs like DIBELS, but is more thorough. Dr. Brown-Triolo headed a group of CSU graduate students on three testing occasions, in which each student in the school was assessed in reading and math areas to determine specific skill needs so tracking for interventions could occur.

CIS Gardening Project

Dr. Judith Ausherman, Coordinator of the School Health Education Program, is guiding the effort to use school gardening as a vehicle for teaching students the importance of health and healthy eating. Students in her methods and material class taught health related lessons for the CIS after care program for the second year. Lessons last year ranged from “spotting the block,” which is learning about how to read food labels on food products, how to make home-made noodles, determining what is a healthy snack, and the similarities between healthy soil and healthy bodies.

Maggie Keenan, Scott Jackson and Ifeoma Ezepeue are part of a team of parents helping to restore the CIS greenhouse that was purchased by CIS Teaching Enhancement funds last year. Jacqueline Kowalski, the extension educator at OSU Extension office for Cuyahoga County, is also assisting in giving advice for planning and provided the seeds for planting. Each grade level painted planters in art class and will be ready to begin planting their gardens for the 2012-2013 school year.

Sponsored Events and Invited Talks

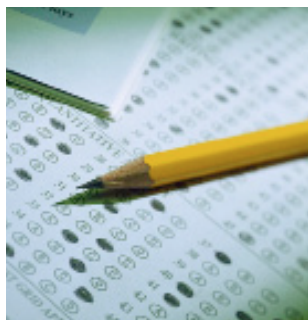
Since it opened, the CUE has sponsored or contributed to a number of public events and presentations on campus as well as in the community. They have focused on a variety of topics with implications at the local, state, and national level. We briefly highlight them in this newsletter.

Public Forum on Parenting Styles

Under the coordination of Dr. Grace Huang, Associate Professor in the Department of Teacher Education, the CUE was pleased to help sponsor this event held in Julka Hall on February 21, 2011, entitled, *Is There a Superior Parenting Style? Views from the Greater Cleveland Community*. Inspired by the book *Battle Hymn of the Tiger Mother* by Amy Chua, the forum included a group of seven panelists composed of faculty at CSU, educational consultants, school district council members, and professional staff from non-profit organizations. The forum was moderated by Kim Wheeler, Anchor/Education Reporter for WKYC Channel 3 News.

Public Forum on Underperforming Schools

On June 14, 2011, Dr. Perry was invited to participate as a panelist in a symposium sponsored by the Maxine Goodman Levin College of Urban Affairs entitled, *What should be done with underperforming schools?* The panelists featured Meryl Johnson, Pam Keller, Piet Van Lier, Peter Raskind, and Amber Black, with an introduction by the Dean of the College, Edward Hill. Dr. Perry touched on a number of contemporary issues and studies in his talk, including the role of college and career readiness and 21st century skills in educational reform.



Public Forum on Issue 2/Senate Bill 5

On October 17, 2011, Dr. Perry served as Moderator of a public forum on Ohio Senate Bill 5 (SB5) Voter Referendum, Issue 2 in Julka Hall Atrium at Cleveland State University. This event was held before SB5 was repealed by Ohio voters on the November 8, 2011 general election ballot. The measure repealed legislation that limited collective bargaining for public employees in the state. At the time of the public forum at CSU, one of the most relevant and controversial provisions in SB5 which was debated were performance

pay for teachers and prohibiting seniority from being the sole factor considered when workers are laid off, although the issues covered at the forum represented a wide range of provisions.

Dr. Perry moderated a lively exchange of ideas between State Rep. Nan Baker (R-Westlake) and Justin Huron, who represented State Rep. Mike Foley (D-Cleveland) in his absence. Both representatives also fielded questions from the audience, including high school students, teachers, parents, faculty and staff at CSU.

Local Conference on Youth Mentoring

On January 27, 2012, Dr. Perry was an invited speaker for *National Mentoring Month: A Celebration of Youth Mentoring* held at the Friendly Inn Settlement House and sponsored by Big Brothers Big Sisters of Greater Cleveland. His talk focused on “Effective Evaluation of Mentoring Programs.” He was joined by Dr. Michele Scott-Taylor from College Now of Greater Cleveland. The event was graciously organized and hosted by Dr. Adrienne Hatten, Program Officer for Education at The Sisters of Charity Foundation of Cleveland. The event was well attended by representatives from non-profit organizations, schools, higher education, and other community programs which provide mentoring services to youth.



Big Brothers Big Sisters
of Greater Cleveland

Research, Grants, and Scholarships

Spotlight on STEM, STEMM, or STEAM Education

A complete list of all the grants the center has been awarded can be found on its website. In this section, the CUE focuses on grants related to STEM education. Some researchers and educators have also used the acronyms of “STEMM” and “STEAM” education to include “medicine” and “art” as relevant disciplines. The CUE supports this broader way of thinking about STEM education.

MUST STEM Fellows

Awarded to Dr. Joanne Goodell (PI) in 2011, Professor in the Department of Teacher Education, this National Science Foundation (NSF) grant of \$1,199,383 is funded by the Robert Noyce Teacher Scholarship Program. An interdisciplinary team of faculty from Teacher Education, Curriculum & Foundations, Engineering, and Mathematics serve as Co-PIs. Dr. Perry and the Center will serve as the evaluators. The goal of this innovative STEM teacher preparation program is to merge the best elements of the Master's of Urban Secondary Teaching Program (MUST) with the CSU Teach model at Cleveland State University. The grant will support 24 Fellows with full tuition scholarships in four cohorts

over the five-year period of the award. Features from each program include the following: (a) a 14-month program that results in a Master's degree and teaching license, (b) understanding urban teaching through a STEM lens, (c) working with STEM master and mentor teachers in STEM-focused urban high schools, (d) early field experiences, (e) action research and portfolios, and (f) collaboration between faculty in the Colleges of Science and Education and Human Services. For more information about CSU Teach, please visit the website at: <http://www.csuohio.edu/cehs/centers/csuteach.html>

Transportation Management Pathways: Max S. Hayes Transportation Career Path

Dr. Debbie Jackson (PI), Associate Professor in the Department of Teacher Education, was awarded a grant of \$48,742 funded by the Federal Highway Administration, in partnership with the Cleveland Metropolitan School District. An interdisciplinary team of faculty from Engineering and the Monte Ajuha College of Business serve as Co-PIs. Dr. Perry will serve as the evaluator. This project will build upon an existing partnership between CMSD, CSU, and the ACE Mentor Cleveland Affiliate Program. The goal of the project is to broaden the understanding of careers in transportation, reduce stereotypes of transportation careers, and increase a larger pool of minority and female students to consider post-secondary education and careers in transportation. Max Hayes is the only school in CMSD that teaches the technical skills of manufacturing technology, construction, and automotive technology and auto-body.

CSU TRIO McNair Scholars Programs

Dr. Valli Sarveswaran, Director of the McNair Scholars Program at CSU, was awarded a \$1,097,600 grant from the U.S. Department of Education for 5 years. Dr. Perry will serve as the evaluator. The purpose of this grant is to recruit a cohort of 30 students at CSU, consisting of sophomores and juniors, who have declared majors or minors in STEM degrees and are historically underrepresented in STEM careers. The objectives for the selected McNair Scholars are to complete research and scholarly activities, enroll into a post-baccalaureate program of study, continue enrollment in graduate study, and attain a doctoral degree within ten years of attainment of the bachelor's degree. This program will provide significant support for CSU students to overcome financial, academic, and social impediments in moving toward graduate programs in STEM degrees.



Careers in Health and Medical Professions (CHAMPS)

Starting in 2009, under the direction of Dr. Robert Ferguson, Associate Professor in the Department of Teacher Education, CHAMPS has provided a summer outreach and academic enrichment program to hundreds of high school students in the Cleveland metropolitan area who have an expressed interest in medical and health careers and who meet



the academic criteria of a 3.0 GPA or better. Most recently, in the summer of 2012, CHAMPS received funding from the Martha Holden Jennings Foundation, as well as the Kaiser Foundation Health Plan of Ohio, to further develop,

refine, and evaluate this hands-on, two-week academic and career program. This summer, CHAMPS consisted of three cohorts serving about 90 rising sophomores, juniors, and seniors. Funded by the Kaiser Foundation in the amount of 198,343 Dr. Perry and the Center's staff are responsible for evaluating CHAMPS.

The key metrics of success are to increase awareness and knowledge of health careers, improve research-readiness skills, and improve 21st century work readiness skills. The students in the program will be tracked longitudinally beyond high school with regard to their post-secondary attainment and choice of academic major in college. For more information about CHAMPS, please visit the website at: http://www.csuohio.edu/cehs/departments/TE/te_champs.html

Youth Technology Academy: Cleveland's Pathway to Engineering Degrees (C-PED)

Awarded to Dr. George Bilokonsky (PI), Executive Director of Technology Academies and WEDD at Cuyahoga Community College (Tri-C), this National Science Foundation (NSF) grant of \$874,552 is funded by the Advanced Technology Education Program (ATE). An interdisciplinary team of STEM faculty from Tri-C and Kent State University joins Dr. Bilokonsky as Co-PIs, with Dr. Perry and the Center's staff serving as the external evaluators. This three-year project, starting in 2012, builds on a previously funded Robotics Corridor Collaborative Project. This project will provide a pre-engineering experience, coursework, and project based instruction that includes strong technical training with additional math preparation, enabling high school students to pursue post-secondary STEM studies as soon as they arrive in college rather than being delayed by remedial coursework. C-PED will enroll approximately 150 of Cleveland Metropolitan School District (CMSD) students. These students will be taught, men-

tored, and tutored by district teachers, industry experts, and student mentors from Tri-C. Students will also participate in a Summer Camp. The project's key goals are to increase the number of students pursuing technical/engineering degrees upon graduation from high school, while reducing the need for remedial math coursework in college. For more information, please visit the website at: <http://www.tri-c.edu/apply/hsstudents/Pages/YouthTechAcademy.aspx>



Elementary Flow at Boulevard: Seeding Inquiry into Engineering

Awarded to Dr. Stephen Duffy, Professor in Civil and Environmental Engineering, through the Cleveland Heights-University Heights School System, this grant of \$21,421 funded a professional development program and a pilot evaluation of Elementary Flow conducted by Dr. Perry and Dr. Debbie Jackson, who serves as the Associate Director for Education and Training for the University Transportation Center with Dr. Duffy.

Elementary Flow serves students in grades K-5. It is designed to captivate students through scientific exploration of transportation engineering using the school grounds as a natural laboratory, including collaboration with a host of educational, governmental, and organizational partners. The evaluation was conducted in the summer of 2012, consisting of a parent and teacher survey. The results indicated that professional development workshops were well attended and that the projects were implemented with good fidelity and alignment to Technology, Engineering, and Science academic content standards. Overall, teachers were satisfied with the curriculum and found the workshops to be valuable; they were comfortable with teaching project-based learning. The parent survey indicated that communication about the curriculum could be improved. In moving forward, the next steps for Elementary Flow will involve providing more professional development for teachers, including a needs assessment, with a focus on engineering design.



iPads for Teacher Education

Awarded to Dr. Susan Rakow, Clinical Associate Professor in Curriculum & Foundations, through the Teaching for Innovation Fund at CSU, her project was designed to explore the use of iPads in middle grades teacher preparation. The grant was recently completed. According to Dr. Rakow, the initial finding after the first semester of implementation was that unless she modeled the apps, tools, and the use of the iPad in her class on campus, students just saw it as another burden in learning to teach. So, in the second semester, when she did a lot more modeling, students used the tools (such as Teacher Pal, Keynote, Video recording) that she incorporated into her teaching more in their field experience. One impediment to their use in the field was the lack of technology in the schools in which they're placed.



The NEOMED-CSU Partnership: Education for Service Initiative

In 2011, Dr. Perry and the CUE joined a partnership with NEOMED and faculty in the College of Sciences and Health Professions and the College of Education and Human Services. Over the course of many meetings related to the burgeoning NEOMED-CSU Urban Healthcare Partnership, an interdisciplinary, multi-institutional team worked together to submit a grant to the U.S. Department of Health and Human Services, entitled "The Northeast Ohio Health Careers Opportunity Program (HCOP)." While it did not get funded, the HCOP proposal laid the groundwork for collaboration. After continued efforts to secure external funding, NEOMED and CSU were successful in winning a \$1,500,000 grant from The Cleveland Foundation to support the Education for Service Initiative. Dr. Perry and the CUE are working with the entire team to assist with the evaluation of this project. In brief, the goal of this project will be educate up to 35 students per year through the Post Baccalaureate/M.D. and Baccalaureate/M.D.

by medical school education with the NEOMED College of Medicine.

For more information about this bold and exciting partnership in urban primary healthcare, please visit the website at: <http://www.csuohio.edu/sciences/preprof/premed/neomed.html>.



Recently, Dr. Meredith Bond (PI), Dean of the College of Sciences and Health Professions, was awarded \$405,340 for the grant entitled "AAMC's Urban Universities for Health." Dr. Perry will serve as the Co-PI in partnership with NEOMED. Funded by the Association of American Medical Colleges, the purpose of this national initiative, Coalition of Urban Serving Universities Learning Collaborative, is to strengthen the organizational capacity of the NEOMED-CSU Partnership to inform policy and practice. This project will serve as a platform for exploring the new frontier of inter-organizational collaboration as necessary for continuous improvement strategies and the sustainability of healthcare initiatives.



paths, which begins at CSU and is followed

Community Partnerships

The CUE builds partnerships and strengthens existing ones with school districts, organizations, and stakeholders across Northeast Ohio. These partnerships have resulted in the cultivation of grant proposals, research projects, and new ideas for professional development, CSU assistantships and scholarships, and pro bono work. The list below highlights a few of these activities.

Cleveland Metropolitan School District

In addition to serving as the R&D Arm of Campus International School and on grants awarded to Faculty Associates and external partners of CSU, the CUE collaborates with CMSD on other initiatives as well. The CUE is serving on a pending grant submitted to the USDA Farm to School Grant Program entitled, “CMSDA Farm to School Planning Project.” This grant would support food and nutrition services in the district. Dr. Perry and Dr. Sajit Zachariah, Dean of the College of Education and Human Services, are engaged with the Office of Research on establishing a partnership that would provide CSU graduate students with assistantships while leading to sustainable research support for the district. Dr. Perry also continues to be involved with CMSD through his role at Esperanza, Inc., where he serves as the Chair of the Programs Committee and assists with the strategic evaluation of its programs provided to Hispanic students in the district. He continues to serve as the PI on a U.S. Department of Education/Institute of Education grant that is currently underway across six different high schools in the district. The name of the program, “Making My Future Work,” is a comprehensive college and career readiness intervention.



Educational Service Center

The CUE has been pleased to serve as a partner with the Education Service Center in Lake County and Cuyahoga County on a number of initiatives. At the Lake County ESC, Dr. Perry and Dean Zachariah have engaged with the Superintendent, Dr. Brian Bontempo, on a project connected to educational research needs at The Lake Academy and the Painesville City Local School District. In Cuyahoga County, Dr. Perry has partnered with the ESC, Tri-C, Family and Children First Council, First Ring School Districts and other organizations in a “Race to the Top – District” grant proposal to create a First Ring Consortium. If awarded, this grant would support the development of a School and Community Design Partnership Team aligned to the District Leadership Team, in which each partner will develop a comprehensive, community-based personalized learning environment for students in grades 4 through 9.

Sisters of Charity Foundation

The CUE joined the Cleveland Central Promise Neighborhood and Sonya Pryor-Jones, Director of Promise Neighborhood, along with over 30 partners, on a pending Central Promise Neighborhood Implementation Grant. Sisters of Charity Foundation is the lead applicant. If awarded, this grant will support the creation of a local continuum of solutions along the pipeline from birth to college and career in central Cleveland. These solutions entail academic and support strategies (early childhood, K-8, high school, college, health, safety, stability, families and community, and 21st century technology) so that children can move seamlessly from one stage the next.



**SISTERS of CHARITY
FOUNDATION
OF CLEVELAND**

New Tech West at Garrett Morgan

In addition to implementing Making My Future Work in all of their Advisory classes, Dr. Perry and the CUE have partnered with New Tech West on an initiative to support the development, implementation, and evaluation of an innovative science curriculum entitled, “Bio-Art.” The CUE is working with Dr. Rob Ferguson (PI), Associate Professor in the Department of Teacher Education, Abu Nasara, Director of CSU’s Center for Educational Technology, and Principal Erin Frew in putting together several grant proposals. By integrating art-based digital technology (e.g., Paint, Photoshop, Illustrator) into the core instruction of biology, BioArt seeks to bridge the divide between science and art pedagogy.

Cleveland Heights - University Heights School District

Building on the initial success of “Elementary Flow” at Boulevard Elementary School, Dr. Perry and the CUE continue to collaborate with CH-UH in strengthening and expanding engineering-based science education in their school district. With Dr. Debbie Jackson, Dr. Stephen Duffy, and key administration and staff from CH-UH (Principal Katrinka Dean, Dr. Joe Micheller, Jackie Taylor), the CUE has engaged in several grant proposals to help advance the Elementary Flow program from elementary through middle school, evaluate its academic impact, and support continued professional development for teachers.



Director's Acknowledgements and Thanks

The Center's success can be attributed to the people who have joined its mission and become a part of its vitality. This includes its Faculty Associates and many partners in the urban education community. The daily operations of the CUE's activities and strategic initiatives could not have happened, though, without the tremendous support of the Graduate Assistants and Student Workers at CSU who come in every week to assist with various projects. Some of them have already graduated from CSU and some have moved on to other pursuits. I would like to acknowledge them here:

Caitlyn Arendt
Lisa Barto
Kiffany Francis
Danielle Meade
Jennifer Myers
Lauren O'Janpa

Ryan Raeburn
Rachel Seagull
Max Traylor
Timothy Trepal
Eric Wallace
Christopher Williams

A special note of gratitude is offered to Vicki Sussman, the Center's Grant Writer/Administrator. She has played a key role in the preparation and funding of a number of grants awarded to the Center and its affiliated faculty and partners over the past several years.

Last but not least, I would like to thank former Interim Dean of the College of Education and Human Services (CoEHS), Dick Hurwitz, former Chair of the Department of Curriculum and Foundations, Jim Carl, and former Provost of CSU, Geoffrey Mearns. Dr. Hurwitz is now retired. Dr. Carl is now Dean of the Isabelle Farrington College of Education at Sacred Heart University. And Provost Mearns has become the fifth President of Northern Kentucky University. Without their original advocacy, the Center would have never been created. The continued support of President Berkman and Interim Provost Walker has been greatly appreciated.

Dr. Sajit Zachariah, Dean of the CoEHS, has been a wonderful champion of the CUE. His leadership has helped take the CUE to greater heights and advanced its growth at a rapid pace across the preK-20 community in Northeast Ohio and the region. I look forward to continuing to work with Dr. Zachariah on a number of initiatives associated with the Center.

