

The College of New Jersey -- Mentored Undergraduate Summer Experience (MUSE) -- 2012 Directory

School	Dept.	Faculty Name	Faculty E-mail	Student Name	Student E-mail	Project Title
A & C	Art	Elizabeth Mackie	mackie@tcnj.edu	Bryan Borut Allison Tumminia	borut2@tcnj.edu tummini2@tcnj.edu	Ortler Mountain Range: Paper, Pigment, and Glacier Research
A & C	Art	Lisa LaJevic	lajevic@tcnj.edu	Gabriel Randazzo Matthew Pembleton	randazg1@tcnj.edu pemblet2@tcnj.edu	Exploring Contemporary Art in Art Education
A & C	Art History	Lee Ann Riccardi	riccardi@tcnj.edu	Emily Conforto	confort3@tcnj.edu	The Reception and Rejection of Roman Imperial Portrait Models in the Eastern Provinces, 234-270 CE
HSS	Crim	Margaret Leigey	leigeym@tcnj.edu	Michael Ryder	ryder4@tcnj.edu	The Pains of Permanent Imprisonment: findings from a Sample of Life Without parole Inmates
HSS	History	Robert McGreevey	mcgreeve@tcnj.edu	Eulogio Kyle Romero	romero22@tcnj.edu	Borderline Citizens: The US, Puerto Rico, and the Politics of Colonial Law and Migration, 1998-1948
HSS	Psych	Jarret Crawford	crawford@tcnj.edu	Sean Modri	modris1@tcnj.edu	On the Use of Different Kinds of Political Message Frames to Appeal to Different Kinds of Voters
HSS	Psych	Jason Dahling	dahling@tcnj.edu	Rachel Tenenbaum	tenenba2@tcnj.edu	Career Barriers and Supports for Individuals with Physical Disabilities Empirical
HSS	Psych	Julie Hughes	jhughes@tcnj.edu	Iris Chiu	chiui1@tcnj.edu	Ethnic Self-Stereotyping and Stereotype Awareness
HSS	Soc	Diane Bates	bates@tcnj.edu	Brad Heisler Nicole Thompson	heisler4@tcnj.edu thompsn1@tcnj.edu	The 2012 TCNJ Delegation to Nicaragua: Assessing International Service Learning
HSS	WGS	Marla Jaksch	jakschm@tcnj.edu	Alyssa Fountain Shannon Grooms	fountai3@tcnj.edu groomss1@tcnj.edu	The Virtual Freedom Trail Project: Re- visioning Gender in African Liberation in Tanzania
HSS	World Languages	Holly Didi-Ogren	ogren@tcnj.edu	Russell Wolf	wolf4@tcnj.edu	Applying Conversation Analysis to interviews with Japanese politicians about the Trans-Pacific Partnership

EDU	SELL	Louise Ammentorp Lauren Madden	ammentor@tcnj.edu maddenl@tcnj.edu	Jacqueline DeNarie Tara-Lyn Farrell	denarie2@tcnj.edu farrel36@tcnj.edu	Developing Successful Paired Placements among Preservice Teachers
ENG	BME	Brett BuSha	busha@tcnj.edu	George Banis	banisg1@tcnj.edu	A computational stochastic model of breathing embedded with fractal-like scaling
ENG	Elec/ Comp	Anthony Deese	deesea@tcnj.edu	Tyler Wardlow	wardlow4@tcnj.edu	Wirelessly-Controlled Relay System for Power Engineering Laboratory
ENG	M-Eng	Lisa Grega	grega@tcnj.edu	Manthan Kothari Andrew Specian	kothari3@tcnj.edu speciaa1@tcnj.edu	Effect of Inlet Flow Conditions on Flow Uniformity Within a Fuel Cell Manifold
ENG	M-Eng	Lisa Grega	grega@tcnj.edu	Kevin Hynes David Talarico	hynes4@tcnj.edu talaric6@tcnj.edu	Bio-Inspired Wind Energy Harvester
ENG	M-Eng	Manish Paliwal	paliwal@tcnj.edu	Mark Sidebottom	sidebot2@tcnj.edu	Modeling of friction-induced squeak of Ceramic-on-Ceramic Hip Implants
ENG	M-Eng	Karen Yan	yan@tcnj.edu	Daniel Christiansen Robert Seither	christ26@tcnj.edu seither2@tcnj.edu	Development of Damage Models for Fiber-reinforced Composite Material and Characterization of heart Tissue Damage via Dynamic Heart Phantom and MRI
ENG	Tech Studies	Matthew Cathell	cathell@tcnj.edu	Melissa Bradley	bradle23@tcnj.edu	Expanded Investigations into Remediation of Metal-Contaminated Water Through Electrospun Biopolymer Nanofibers
SCI	Biology	Luke Butler	lbutler@tcnj.edu	Sydney Hope Frank Stabile	hopes1@tcnj.edu stabilf1@tcnj.edu	Effects of urbanization and extreme weather on the life cycle of a common songbird, The Carolina Chickadee
SCI	Biology	Jeffrey Erickson	erickson@tcnj.edu	Robert Myers	myersr2@tcnj.edu	Development of an in vitro system for measuring fictive breathing in the neonatal brainstem/spinal cord
SCI	Biology	Janet Morrison	morrisja@tcnj.edu	Brian Giacopelli Michael Readinger	giacope2@tcnj.edu reading6@tcnj.edu	Genetic variation in native and invasive broomsedge grass populations

SCI	Biology	Sudhir Nayak	nayak@tcnj.edu	Jennifer Aleman John Fang Peter Swetits Emily Keppen	alemanj1@tcnj.edu fangj1@tcnj.edu swetitp1@tcnj.edu keppene1@tcnj.edu	#1 Nuclear envelope localization of GLD-1 protein; #2 Development of a platform independent sequence viewer.
SCI	Biology	Amanda Norvell	norvell@tcnj.edu	Letitia Thompson	thompsl3@tcnj.edu	Regulation of gurken expression during <i>Drosophila melanogaster</i> oogenesis
SCI	Biology	Marcia O'Connell	moconnel@tcnj.edu	William Cavallo Daniel Ferrer	cavallo4@tcnj.edu ferrerd1@tcnj.edu	The molecular regulation of pattern formation in zebrafish-do flies and fish use the same genes to regulate key events during the formation of the
SCI	Biology	Leeann Thornton	thornton@tcnj.edu	Joseph Montes Dylan McDivitt Amanda Soler	montes2@tcnj.edu mcdivit2@tcnj.edu solera1@tcnj.edu	Identification of novel motifs in unaligned protein sequences Genetic and Biochemical analysis of enzymes that regulate plant growth and metabolism
SCI	Chemistry	Michelle Bunagan	bunagan@tcnj.edu	Andrew Apicello Priya Gupta	apicela1@tcnj.edu guptap1@tcnj.edu	Single-Molecule Investigation of Multi-Domain Folding: A Fluorescence Correlation Spectroscopy Study
SCI	Chemistry	Danielle Guarracino	guarracd@tcnj.edu	Ari Goldwasser Jessica Gruskos	goldwas4@tcnj.edu gruskos4@tcnj.edu	Testing hormone mimic function against biological protein targets implied in human health
SCI	Chemistry	David Hunt	hunt@tcnj.edu	John Farrokh Tyler Higgins Katrina Wunderlich	farrokh2@tcnj.edu higgint2@tcnj.edu wunderl2@tcnj.edu	Novel Ring Forming Reactions
SCI	Chemistry	Abby O'Connor	oconnora@tcnj.edu	Chris Bregna Jacob Levene	bregnac1@tcnj.edu levene1@tcnj.edu	Development of New Nickel and Palladium Complexes Containing Stabilizing Hemilabile Groups to Serve as Catalysts in Alkene Hydrogenation and Polymerization
SCI	Comp Sci	Peter DePasquale	depasqua@tcnj.edu	Alexa Cain Lindsey Nice	caina1@tcnj.edu nicel1@tcnj.edu	Integrating Cloud Services and Social Network Characteristics in Application Development

SCI	Comp Sci	Monisha Pulimood	pulimood@tcnj.edu	Francisco Estevez Shahzore Qureshi	estevf1@tcnj.edu qureshs1@tcnj.edu	Balancing Open Information Access With Maintaining Privacy, Security and Reliability In the Age of Social Computing
SCI	Comp Sci	Andrea Salgian	salgian@tcnj.edu	Laurence Agina Michael Bauer	agina2@tcnj.edu bauer4@tcnj.edu	Conducting Robot
SCI	Math/Stat	Jana Gevertz	gevertz@tcnj.edu	Kayla Spector Warren Jagger	spector4@tcnj.edu jaggerw1@tcnj.edu	Mathematical Modeling of Cancer Progression: the Impact of Invasion and the Immune System
SCI	Physics	Nathan Magee	magee@tcnj.edu	Andrew Miller	millea12@tcnj.edu	Measuring growth kinetics of nanoscale ice crystals using Spectroscopic ellipsometry and environmental scanning electron microscopy
SCI	Physics	Nathan Magee	magee@tcnj.edu	Megan Hartline		
SCI	Physics	David McGee	mcgeed@tcnj.edu	Jan Brauburger Mina Shenouda	braubuj1@tcnj.edu mina.shenouda91@gmail.com	Optically induced birefringence in hybrid organic-inorganic carbon nanotube films
SCI	Physics	David McGee	mcgeed@tcnj.edu	Michael Erickson	merickson13@gmail.com	Photoswitchable refractive index gratings in novel nonlinear optical films
SCI	Physics	David McGee	mcgeed@tcnj.edu	Dacoda Nelson	dacodanelson@gmail.com	Computational approaches to frequency doubling in nonlinear materials
SCI	Physics	Paul Wiita	wiitap@tcnj.edu	Paolo DiLorenzo Mitchell Revalski	di4@tcnj.edu revalsm1@tcnj.edu	Exploring Blazar Variability with the Kepler Satellite
SCI	Physics	Paul Wiita	wiitap@tcnj.edu	Daniel Sprague	spragud2@tcnj.edu	Particle Imaging Velocimetry Studies of Fluid Flows
SCI	Physics	Maggie Benoit	benoit@tcnj.edu	Walter Ingram		
SCI	Physics	Michael Kavic	mikekavic@gmail.com	Nickisha Barrett Amanda Larracuate Leandro Quezada	n_barrett05@yahoo.com larracuate@aol.com leandroquezada@me.com	