Faculty Mentors

Faculty	Dept/College	Contact	Areas of Research & Methods
Ambers, Angela	Forensic Science/ HCLC	aambers@newhaven.edu	Forensic DNA analysis; DNA degradation; and Unidentified Human Remains (UHR)
Amoako, Kagya	Biomedical Engineering/ TCoE	KAmoako@newhaven.edu	Medical devices (e.g., artificial lungs, catheters, vascular grafts); implant and blood/tissue Interactions; bioinspired stealth materials; cardio-pulmonary diseases; vascular diseases; tissue engineering biofilm; and self-sterilizing anti-bacterial surfaces (e.g., wound dressings, blood contacting devices)
Barnes- Ceeney, Kevin	Criminal Justice/ HCLC	KBarnesCeeney@newhaven.edu	Risk assessment and case management; incarceration; disciplinary techniques; surveillance and control; college sanctioning systems; probation and parole; youth and young adults; violence in the Caribbean; drugs and alcohol; critical criminology; posttraumatic stress; restorative justice; and post-genocide healing
Bonnes, Stephanie	Criminal Justice/ HCLC	sbonnes@newhaven.edu	Violence against women (e.g., domestic violence, sexual assault, sexual harassment); gender, race, class and crime; masculinities; and gender, race, and organizations; crime and organizations
Carlile, Amy	Biology and Environmental Science/ CAS	Acarlile@newhaven.edu	Molecular systematics, biogeography, and ecophysiology of algae; population dynamics of ulvoid blooms; and biodiversity assessment of algal communities using molecular tools

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Carnasciali, Maria- Isabel	Mechanical Engineering/ TCoE	mcarnasciali@newhaven.edu	Mechanical engineering; 3D printing and prototyping; thermo-fluids experimental and computational models; and engineering education research (makerspaces, innovation, and the design process
Chang, Byungik	Civil and Environmental Engineering/ TCoE	Bchang@newhaven.edu	Structural engineering; renewable energy; numerical modeling; and computer-aided structural analysis and design
Circo, Giovanni	Criminal Justice/ HCLC	cgiovanni@newhaven.edu	Gun violence; policing; crime mapping; and CCTV and crime
Cirillo, Pier	Chemistry and Chemical Engineering/ TCoE	pcirillo@newhaven.edu	Design and synthesis of organic compounds of interest in medicinal or material sciences; organic synthesis through the use of known methodologies or via the development of new reactions; natural products, their synthetic analogs, or designed drugs that act as immunimodulators or antibiotics; and organic molecules as dyes for dye-sensitized solar cells or non-linear optical materials
Clark, Michael	Criminal Justice/ HCLC	Mclark@newhaven.edu	White collar crime; public corruption investigations; advanced investigative techniques; and Interviewing and interrogation
Cooper, Danielle	Criminal Justice/ HCLC	dcooper@newhaven.edu	Criminological theory; substance abuse & delinquency prevention; youths and young adults; and sex offending/Jerry Sandusky

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Daneshfar, Alireza	Accounting and Finance/	adaneshfar@newhaven.edu	Accounting ratio analysis for investment evaluation; use of financial information for stock price evaluation; and the effect of artificial intelligence on accounting services
Davis, D. Edward	Music/ CAS	dedavis@newhaven.edu	Music composition; American popular music; and soundscapes / sound studies
De Alcaraz- Fossoul, Josep	Forensic Science/ HCLC	jfossoul@newhaven.edu	Fingerprinting; fingermark aging processes; handwriting examination; and document examination
Debies-Carl, Jeffrey	Sociology/ CAS	jdebies-carl@newhaven.edu	Social dimensions of the internet; collective memory; memorializing and school shootings; local tourism, travel, and marketing; secular pilgrimage; and the design, use and perception of physical environments
Dieckman, Eric A.	Mechanical Engineering/ TCoE	edieckman@newhaven.edu	The intersection of high-performance numerical simulations of wave propagation and scattering; time-frequency wavelet signal processing; and machine learning approaches to find useful information hidden inside complex radio frequency (RF) and acoustic signals
Dowd, Christopher	English/ CAS	cmdowd@newhaven.edu	Irish and Irish-American culture and literature; ethnic studies; popular culture studies; game studies; narrative theory; and creative writing
Dutton, Leila	Criminal Justice/ HCLC	Idutton@newhaven.edu	Domestic violence prevention and intervention; stalking and unwanted pursuit; and partner violence

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El Turkey, Houssein	Mathematics/ CAS	HElTurkey@newhaven.edu	Study of different aspects of Lie superalgebras (i.e., the interface between their representations and algebraic geometry);. number theory and abstract algebra; and undergraduate mathematics education (e.g., students' creativity in proving)
Gladstone, Joseph	Health Administration & Policy/SHS	jgladstone@newhaven.edu	Native American management and leadership.
Glynn, Claire	Forensic Science/ HCLC	cglynn@newhaven.edu	Forensic body fluid analysis; development of novel body fluid identification (ID) methods (both molecular and spectroscopic); comparison of global body fluid ID method; evaluation/improvement of current body fluid ID methods; touch DNA analysis; age determination using DNA methylation analysis; differentiation of monozygotic twins; Time Since Deposition (TSD) of body fluids; rapid DNA analysis; forensic genealogy; and forensic phenotyping
Gourley, Patrick	Economics and Business Analytics/ COB	pgourley@newhaven.edu	Economics; linear regression; and data analysis
Gray, Kenneth	Criminal Justice/ HCLC	KGray@newhaven.edu	Homeland security; investigative techniques; counterterrorism; and intelligence and counterintelligence
Guzman, Alexandria	Psychology/ CAS	aguzman@newhaven.edu	Cognition-including but not limited to language, memory and perception
Haynes, Chris	Political Science/CAS	CHaynes@newhaven.edu	Public opinion; post-World War II Era partisanship; archival research; and Los Angeles Japanese Americans

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Holzer, Jessica	Health Administration & Policy/SHS	jholzer@newhaven.edu	Maternal health; active transportation (e.g., biking, walking; public health advocacy; and bioethics. Qualitative & quantitative methods
Horvat, Kristine	Chemical Engineering/ TCoE	khorvat@newhaven.edu	Low carbon energy options; applications for gas hydrates (as a fuel source, for carbon sequestration, as a separation technique);gas hydrate thermodynamics and kinetics; algal biofuels (from algae growth to dewatering to fuel production); and engineering educational learning modules and outreach studies for K-12 students
Hutchinson, Simon	Music/ CAS	shutchinson@newhaven.edu	Music composition; interactive music, audio, and intermedia; artistic expression in digital games; and creative electronics
Kammrath, Brooke Weinger	Forensic Science/ HCLC	bkammrath@newhaven.edu	Analysis (microscopic and/or instrumental) of all types of chemical trace and/or transfer evidence (fibers, paint, glass, soil, dust, tape, hair, ink, drugs, white powders, general unknowns; and statistical analysis of trace and/or pattern evidences
Kerstra, Robin	Dental Hygiene/ SHS	rkerkstra@newhaven.edu	Dental hygiene education related to student test anxiety and summative clinical assessments
Kloc, Anna	Biology and Environmental Science/ CAS	akloc@newhaven.edu	Virology; viral infection; and immune system response to viruses
Kringen, Anne Li	Criminal Justice/HCLC	AKringen@newhaven.edu	Policing, gender and race in CJ; survey methodology, and mixed methods research designs

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Kringen, Jonathan Allen	Criminal Justice/HCLC	JKringen@newhaven.edu	Environmental criminology; crime analysis; school safety; immigration; spatial econometrics; geographic information systems; computational methods; and Bayesian analyses
Lawlor, Michael	Forensic Science/ HCLC	MLawlor@newhaven.edu	Gun control/Red Flag laws; strategies to reduce "mass incarceration"; policy reform targeting young adults (18-25 years old); and plea bargaining/adjudication
Levert, Joseph	Mechanical & Industrial Engineering/	jlevert@newhaven.edu	Tribology (the science of wear and friction) – primarily experimental in nature
Li, Jing	Fire Science/Fire Protection Engineering/HCLC	jli@newhaven.edu	CFD Fire modeling; fire testing; material flammability; heat transfer; fire fighting foam; solar panel/battery fire; and risk analysis
Lieberman, Charles	Criminal Justice/HCLC	clieberman@newhaven.edu	Police; terrorism; criminal investigation; and research methods
Luzik, Eddie	Chemistry & Chemical Engineering/ TCoE	eluzik@newhaven.edu	Physical, organic, biofuel, semi-organic and synthetic chemistry; biodiesel and Char production and use; photochemical preparation of polycyclic aromatic compounds; catalytic reduction reaction development without precious metals; green chemistry reaction methods, and non-linear optical semi organic chromophores for 2-photon absorption. Significant use of GC/MS, NMR, HPLC, UV and EDXRF instrumentation to support syntheses and for analytical method development

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Mariano, Phanuel	Mathematics & Physics/	pmariano@newhaven.edu	Intersection of probability theory, differential equations and geometry; stochastic processes; and applications of probability theory and stochastic processes to mathematical finance
Marks, Brian A.	Economics and Business Analytics/ COB Entrepreneurship and Innovation/ Health Administration and Policy/ SHS	bmarks@newhaven.edu	Behavioral economics and game theory; corporate governance and economics; political economy; public policy, and regulation; entrepreneurship and innovation: Design Thinking; and Positive Political Theory and the Law
Marsico, Alyssa	Forensic Science/ HCLC	amarsico@newhaven.edu	Instrumental analysis of forensic evidence, with a focus on focus on trace evidence, like hairs and fibers, and chemical analyses of drugs, explosives and ignitable liquid residues; the application of new instrumental techniques to forensic science and improving current methods to increase sensitivity, like nanoparticle-assisted analysis techniques
Massey, Peter	Forensic Science/ HCLC	pmassey@newhaven.edu	Forensic technology; forensic scene analysis and reconstruction; fingerprints; blood stain pattern interpretations; death scene investigations; and forensic scene testing
Maxwell, Virginia	Forensic Science/ HCLC	vmaxwell@newhaven.edu	Trace evidence; weathering of physical evidence; tool marks; and forensic investigation of animal cruelty/maltreatment

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Maxwell, Dan	Forensic Science/ HCLC	DMaxwell@newhaven.edu	Policing; police training; police firearms training; investigative techniques; and criminal & constitutional law
Minges, Karl	Health Administration & Policy/ SHS	kminges@newhaven.edu	Improving health systems through clinical-decision making and quality measurement; improvement and evaluation of health care interventions for cardiovascular procedures; diabetes care; and obesity prevention and management
Ndrecka, Mirlinda	Forensic Science/ HCLC	MNdrecka@newhaven.edu	Reentry programs; correctional theory; correctional program assessment; risk assessment; criminological theory; and substance abuse offenders
O'Brien, Christopher	Forensic Science/ HCLC	RcOBrien@newhaven.edu	Wildlife forensics; marine/terrestrial taphonomy; forensic anthropology; and forensic archeology
O'Connor, Martin		MOconnor@newhaven.edu	Criminal justice ethics and historical issues in criminal justice
Paulis, Marie	Dental Hygiene/ SHS	mpaulis@newhaven.edu	Dental hygiene education; public health
Petitti, Rachael	Health Administration & Policy/ SHS	rpetitti@newhaven.edu	Mental and behavioral health; primary care; behavioral health integration; health disparities in marginalized populations; and the intersection of economic inequity in communities within the United States and abroad.
Powers, Robert	Forensic Science/ HCLC	rpowers@newhaven.edu	Mechanisms of enzymatic-based drug-drug interaction; characterization of volatile decomposition products; and CNS-active drug mechanisms

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Qiu, Chong	Chemistry & Chemical Engineering/ TCoE	CQiu@newhaven.edu ACEnvironment@newhaven.edu	Air quality; air pollution; environmental chemistry; instrument design and development; and researcheducation integration
Randi, Judy	EASE/ TCoE	jrandi@newhaven.edu	Educational research; self-regulated learning; adaptive teaching; visual literacy; innovation; and creativity. Qualitative methods
Rivers, Yevgeniya	Mathematics/ CAS	yrivers@newhaven.edu	Mindset and math; and retention of females in STEM. Qualitative and quantitative research methods
Russo, Diane	English/ CAS	DRusso@newhaven.edu	English and literary study; public humanities
San Pietro, David	Forensic Science/ HCLC	dsanpietro@NEWHAVEN.edu	DNA repair of damaged forensic specimens; DNA based expression assays for forensic diagnostic purposes; characteristics of trace DNA transfers; and bloodstain pattern analysis
Sapi, Eva	Biology and Environmental Sciences/CAS	esapi@newhaven.edu	Antibiotic resistance; biofilm; Lyme disease; breast cancer; and bacterial infection
Savage, Nancy	Chemistry and Chemical Engineering/ TCoE	NSavage@newhaven.edu	Synthesis and characterization of mesoporous materials; preparation of electrospun nanosilica fiber mats and their use in thin layer chromatography; and the application of mesoporpus materials and inorganic/organic composites in chemical sensing

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Savilonis, Margaret	English & Theater/ CAS	MSavilonis@newhaven.edu	Literary studies (especially dramatic literature, 20th century British literature, and meta-literature); theatre history; performance studies; dance history; and gender studies
Schmidt, Matthew	National Security and Political Science/ HCLC	MSchmidt@newhaven.edu	Strategic decision making; former Soviet Union; terrorism; military; and International Relations Theory. Multidisciplinary interests: economics; social sciences; political science; communication; national security; global studies; and history
Sedelmaier, Chris	Forensic Science/ HCLC	CSedelmaier@newhaven.edu	Crime prevention; transit systems and crime; environmental criminology; Routine Activity Theory; Rational Choice Theory; and crime analysis
Senejani, Ali	Department of Biology and Environmental Science/CAS	Asenejani@newhaven.edu	DNA damage; DNA repair and neurodegeneration; Lyme disease; inflammation; and =neurodegeneration; DNA damage and cancer; and antioxidants (e.g., Which one and how much of it is good?)
Sheffield, Jenna	English/ CAS	jsheffield@newhaven.edu	Workplace writing practices; search engine optimization; and the effects of digital technologies on writing. Methods: survey construction; coding interviews; and critical discourse analysis .
Simjouw, Jean-Paul	Biology and Environmental Science/CAS	jsimjouw@newhaven.edu	Marine pollution; microplastics; ocean acidification; water quality; and saltmarsh nutrient dynamics

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Smolinski, Joseph	Department of Art and Design/CAS	jsmolinski@newhaven.edu	Art; sustainable design; 3D modeling and animation; and digital fabrication (e.g.,3D scanning, 3D printing, laser cutting, and CNC cutting)
Stasoulli, Nicholas	Biology and Environmental Sciences/ CAS	nstasulli@newhaven.edu	Microbial interactions leading to the production of specialized metabolite compounds; isolation and identification of small chemical metabolites produced by bacteria; microbial communities and microbiomes of unique environmental niches
Stoffer, Howard	National Security/ HCLC	HStoffer@newhaven.edu	Strategic decision making; Former Soviet Union; terrorism; military; International Relations Theory; Middle East, China, North Korea; and NATO and United Nations
Tamborra, Tracy	Forensic Science/ HCLC	TTamborra@newhaven.edu	Domestic violence; sexual assault; and race, ethnicity and class issues in criminal justice
Tchnerni- Buzzeo, Maria	Criminal Justice/ HCLC	mtcherni@newhaven.edu	Crime trends and patterns and theirs correlates, causes of violence, poverty and child neglect/abuse, research design/methods, statistics, testing theories of crime, and forensic psychology
Torre, Maria	Forensic Science/ HCLC	MTorre@newhaven.edu	Crime scene investigation
Tran, Alvin	Health Administration & Policy/ SHS	atran@newhaven.edu	Eating disorders; body image; and LGBTQ health

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Treistman, Jeffrey	National Security/ HCLC	jtreistman@newhaven.edu	Military strategy; great power warfare; civil wars; insurgencies; and terrorism
Urban, Michael	Health Administration & Policy/ SHS	murban@newhaven.edu	Occupational therapy
Wang, Charles	Marketing & Quantitative Analysis/ COB	CWang@newhaven.edu	Consumer behavior; international marketing; marketing research; brand management; marketing platforms; social media; and fandom research
Wang, Shue	Mechanical & Industrial Engineering/ Biomedical Engineering/TCoE	swang@newhaven.edu	Tissue engineering; tissue regeneration; lab-on-a-chip; microfluidic devices; biosensors; and cancer metastasis
Whitson, Melissa	Psychology CAS/SHS	mwhitson@newhaven.edu	Mental health; trauma; and children and families
Xiao, Dequan	Chemistry and Chemical Engineering/ TCoE	DXiao@newhaven.edu	Biomass catalysts; drug design; polymer nanospheres for drug delivery; and integrative materials discovery
Xu, Meng	Mathematics/ CAS	mxu@newhaven.edu	Quantitative biology; ecological statistics; mathematical modeling; and stochastic processes and their applications. Disciplines: biology; statistics; business; and social sciences. Methods: quantitative work and data analysis
Yasuhara, Kento	Psychology/ CAS	KYasuhara@newhaven.edu	Forensic psychology; violence; risk assessment; and mental Illness

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Yoder, April	History/ CAS	Ayoder@newhaven.edu	Social and political implications of sports in Latin America; history of sports; transnational relationships around the Cold War; and modern history
Zajac, Roman	Biology and Environmental Science/ CAS	rzajac@newhaven.edu	Marine and coastal ecology; for more specifics see: https://www.newhaven.edu/faculty-staff-profiles/roman-zajac.php
Zito, Christina	Biology and Environmental Science/ CAS	czito@newhaven.edu	Signaling pathways regulating cancer cell growth and metastasis