Office of Research  Summer  Research Fellowships

2021 Recipients

- **Sharan Asundi (Mechanical & Aerospace Engineering);** Bi-Static Differential-absorption BArometric Radar (DiBAR) for Improving Severe Weather Forecasts - A DiBAR Remote Sensing Instrument in a Nanosatellite Mission

- **Elizabeth Fretwell (History);** Tailoring Identities: Craft, Gender, and Material Culture in Urban West Africa

- **Rumit Kakar (School of Rehabilitation Sciences);** Effect of Menopause on Injury Risk in Female Runners

- **Tian Luo (STEM Education & Professional Studies);** Supporting Underrepresented Minorities in STEM Education: Implementing POGIL into an Engineering Course in an HBCU Context

- **Anne Michalek (Communication Disorders & Special Education);** Deepening the Divide: COVID-19's Impact on Education and Social Emotional Learning in Juvenile Detention

- **Leryn Reynolds (Human Movement Sciences);** The Impact of a Sit-Stand Work Station on Glycemic Control

- **Sylvia Shangani (School of Community & Environmental Health);** Sociodemographic Disparities in COVID-19 Testing and Interest in COVID-19 Vaccination in the US

- **Taylor Sloey (Biological Sciences);** Effect of Increased Inundation and Nutrient Loading on Freshwater Wetland Plant Performance and Ecosystem Functioning.

- **Joseph Tamborski (Ocean, Earth & Atmospheric Sciences);** Groundwater discharge in the Lafayette River Estuary

- **Priya Vashist (Communication & Theatre Arts);** Yet So Far

2020 Recipients

- **Amelia Anderson (STEM Education & Professional Studies);** *After the Degree: Access to Employment for Autistic Librarians*

- **Sandipan Dutta (Mathematics & Statistics);** *Ensemble Statistical Learning for Prediction of Disease States Based On High-Demand Data*

- **Jeehye Kang (Sociology & Criminal Justice);** *Children of Undocumented Immigrants’ Opportunities for Success? Extracurricular Activity Participation and Development*

- **Alan Meca (Psychology);** *"The Effects of Acculturation and Cultural Stressors on Alcohol Use Among Hispanic College Attend Emerging Adults*

- **Jane Roitsch (Communication Disorders & Special Education);** *The Relationship Between Executive Functions and Falls in Healthy Elderly Adults and Person with Parkinsonism*
• Marina Saitgalina (School of Public Service); *The Role of Nonprofit Incubators and Accelerators in Encouraging the Evidence of Societal Impact from Local Community Startups and Entrepreneurs*

• Sinjini Sikdar (Mathematics & Statistics); *Statistical Meta-Analysis of Genomic Experiments: An Empirical Approach*

• Allyn Walker (Sociology & Criminal Justice); *Mental Health Providers’ Understandings of Minor-Attracted People and Mandated Reporting*

• Xixi Wang (Civil & Environmental Engineering); *Climate Change Impacts on Water Resources Resilience in Coastal Chesapeake Bay Region*

• Brandi Woodell (Sociology & Criminal Justice); *Sexual Minority Health Disparities in Rural Communities: Barriers and Perceptions of Care*

### 2019 Recipients

• Nicholas Abbott (History); *Sarkars into States: Language, Family, and Politics in Early Colonial India*

• Brendan Baylor (Art); *The Orchid House: Transforming Climate Anxiety Through Art*

• Yuping Liu-Thompkins (Marketing); *It Was the Best of Times, It Was the Worst of Times: The Effect of Emotional Uncertainty and Arousal on Healthy Food Choices*

• Ryan McCann (School of Physical Therapy & Athletic Training); *Lumbopelvic Stability and Trunk Muscle Contractibility in Individuals with Chronic Ankle Instability*

• Amy Milligan (Institute for Jewish Studies & Interfaith Understanding); *The Last Jews of Selma, Alabama: Those Who Went Before the Final Five*

• Eric Schussler (School of Physical Therapy & Athletic Training); *Effect of Rugby Style Tackling Training on Head Accelerations in Youth Football*

• Lisa Shollenberger (Biological Sciences); *Identification of Cellular Components Required to Overcome Immunosuppression-induced Vaccine Failure*

• Tracy Sohoni (Sociology & Criminal Justice); *Mind the Gap: Understanding the Consistencies and Disparities of the Racial Gap in Offending Across Multiple Self-Report Datasets*

• Rachel White (Education Foundations & Leadership); *Exploring Gendered and Racial Differences in State Policymakers' Approaches to the Education Policy Making Process*

• Yewei Zheng (Civil & Environmental Engineering); *Experimental Investigation of the Volume Change Behavior of Unstaturated Soils Using Suction-Controlled Oedometer Tests*

### 2018 Recipients

• Dooyoung Choi (STEM Education & Professional Studies); *Construct Validation of the Self-Sexualization Scale*
• Felicia Commodore (Educational Foundations and Leadership); *The Chosen Ones: Black Women College Student Leaders' Experiences and Engagement in Various Campus Contexts*

• Robert Cramer (School of Community & Environmental Health); *Development and Testing of a Personality – Integrated Motivational - Volitional Model of Suicide in Scottish Young Adults*

• Zhanping Liu (Modeling, Simulation, and Visualization Engineering); *High Performance Clustering of Flow Lines for Visualization and Analysis of Big Data*

• MaryCatherine McDonald (Philosophy & Religious Studies); *Haunted By A Different Ghost: The Phenomenology of Trauma*

• Allison Page (Communication & Theatre Arts); *The Affective Life of Slavery: Race, Media, and Governance*

• Sylwia Piatkowska (Sociology & Criminal Justice); *Relative Tax Burden and Crime Rates: A Cross-Sectional Time-Series Analysis*

• Erin Purcell (Chemistry & Biochemistry); *Clostridium difficile motility in response to reactive oxygen species*

• Jeremiah Still (Psychology); *Modeling the Influence of Saliency Within Mobile Displays*

• Xiangrong Zheng (Information Technology & Decision Sciences); *Marketing the Cloud: A Qos-Based Recommendation Approach*

2017 Recipients

• Laura Chezan (Communication Disorders & Special Education); “Teaching Children with Autism to Reject Nonpreferred Items and Activities”

• Sanjeevi Chitikeshi (Engineering Technology); “Modeling and Smart Instrumentation Development for Diabetic Food Health”

• Elizabeth Groeneveld (Women’s Studies); “Archives and the Digital Afterlife of Social Movement Media”

• Justin Haegele (Human Movement Sciences); “Habitual Physical Activity & Health-Related Fitness of Students with ASD/VI”

• Tina Haney (Nursing); “Telehealth Is More Than Technology: A Tool for Measuring Provide Performance”

• Matt Judah (Psychology); “The Effects of Social Worry on Attention Biases in Social Anxiety”

• Venkat Maruthamuthu (Mechanical & Aerospace Engineering); “High Throughput Experimental System to Study Cell-Cell and Cell-Matrix Mechanics in Cancer Cells”

• Alison Stinely (Art); “Merging Antiquity and New Technology in Art Making”

• Nicole Willock (Philosophy & Religious Studies); “Lineages of the Literary: Tibetan Buddhist Scholars Making Modern China”
2016 Recipients

- **Sunny Alperson (Nursing)**; “Find Healers Within: Teaching Mindful Self Compassion and Tai Chi to Professional Caregivers and the Impact on Behavioral Outcome of Alzheimer’s Disease Patients”
- **Brandon Butler (Teaching & Learning)**; “Training Teacher Support Specialists in the Work of Instructional Coaching”
- **Sandeep Kumar (Civil & Environmental Engineering)**; “Jet Fuel from Aqaterhmolysis of Waste Cooking Oils”
- **Vanessa Panfil (Sociology & Criminal Justice)**; “Places Unknown: How Urban LGBTQ Youth Navigate Risk”
- **Alison Reed (English)**; “Traumatic Utopias: Staging Power and Justice in Black and Afro/Latinx Queer Performance, 1955-2013”
- **Ke Shi (Mathematics & Statistics)**; “Multiscale Hybridization Techniques for Problems in Heterogeneous Media”
- **Chuanyi Tang (Marketing)**; “Uncovering the Enemy within: A Naturalistic Observation Approach to Studying the Frontline Employees' Deviant Behavior”
- **Megan Thompson (Communication & Theatre Arts)**; “The Power of Place”
- **Pamela VanHaitsma (English)**; “Pedagogical Rhetorics of Seduction Between Romantic Friends”
- **Yusuke Yamani (Psychology)**; “Gaze-Guided Training of Higher Cognitive Skills for Young Drivers’ Road Safety”

2015 Recipients

- “Feasibility and Acceptability of Mobile Technology-Based Interventions for Disordered Eating.” **Kristin Heron**, Psychology
- “Comparison of Motor Learning Guided Approach and Sound Production of Novel Speech in Healthy Adults Using Meaningful Stimuli.” **Rachel Johnson**, Communication Disorders & Special Education
- “Can Florists Be Conscientious Objectors?: On Liberty and Same-Sex Weddings.” **Dale Miller**, Philosophy & Religious Studies
• “The Effects of Multimodality Auditory Rehabilitation Program on Speech Understanding for Hearing Aid Users.” Kathryn Schwartz, Communication Disorders & Special Education

• “Beyond Closure: The Literary & Filmic Re-Opening of the Frankfurt Auschwitz Trial (1963-65).” Kerstin Steitz, Foreign Languages & Literature

• “Dissipative Effect of Coastal Vegetation on Water Waves.” Navid Tahvildari, Civil & Environmental Engineering

• “Local Legal Regimes and Cross-Border Venture Capital Investments in China: Exploring Roles of East Asian Versus Chinese Partners.” Jing Zhang, Management

2014 Recipients

• “Enhancing the Efficiency and Performance of Confined Premixed Combustion Systems Using Flame-Generated Vorticity.” Kareem Ahmed, Mechanical and Aerospace Engineering

• “Toward an Improved Framework for Clinical Research.” Robyn Bluhm, Philosophy and Religious Studies

• “Development of a Novel Real-time PCR-Based Assay for Tracking Chromosome Segregation in Asymmetric Cell Divisions.” Robert Bruno, Molecular Diagnostics and Translational Sciences

• “Development of a Cost-Effective Smart Damping Device for Seismic Hazard Mitigation.” Yunbyeong Chae, Civil and Environmental Engineering

• “Analysis of Der Ewige Jude (The Eternal Jew).” Fran Hassencahl, Communication and Theatre Arts

• “Investigating Twitter Cyberbullying and Retweet Behavior.” Wu He, Information Technology & Decision Sciences

• “Mathematical Theory of Bistable Smectic A Liquid Crystal Displays.” Sookyoung Joo, Mathematics and Statistics

• “Role of Counterexamples in Eliciting the Understanding of Mathematical Proof: An Experimental Intervention with Secondary Students.” Yating Liu, STEM Education and Professional Studies

• “Spectral Shaping for OFDM-Based Cognitive Radio Systems with Adaptive Quality of Service.” Otilia Popescu, Engineering Technology

• “The Rhetorical Construction of Flood Risk in Hampton Roads.” Daniel Richards, English

• “Cell Specific Targeted Viral Infections for the Improvement of in vitro and in vivo Viral Response.” Patrick Sachs, Molecular Diagnostics and Translational Sciences

• “Chevron’s Public Relations: Building the Affinitive Corporate Persona in Advance of the Climate Change Era.” Burton St. John, Communication and Theatre Arts

• “Study of Surf Localism in Pavones, Costa Rica.” Lindsay Usher, Human Movement Sciences
2013 Recipients

- "Desegregating Britain: Immigrants, Radicals, and the Struggle for British Civil Rights." Brett Bebber, History
- "The Imaginary Home and the Home as Imaginary in Sixteenth-Century France." Elizabeth Black, Foreign Languages and Literature
- "Using Online Books Clubs to Promote Adolescents' Summer Reading." Jamie Colwell, Teaching and Learning
- "Health Insurance Coverage and Labor Market Conditions during Recession." Juan Du, Economics
- "Service with a Smile: Understanding Service Workers' Initial Adjustment to their Work." Xiaoxiao Hu, Psychology
- "In a Spirit Strong and Prudent: Gender, Power, and Culture in the Latin East." Erin Jordan, History
- "Intermittent Sediment Suspension Induced by Wave Breaking in the Surf Zone." Gangfeng Ma, Civil and Environmental Engineering
- "Caravaggio: Counter-Reformation Painter of Rome." Anne Muraoka, Art
- "Thermal Bridging Solutions for Steel Structures." Michael Seek, Engineering Technology
- "Simulating Infectious Disease Spread to Increase Hand Hygiene Compliance." Lynn Wiles, Nursing

2012 Recipients

- "What is Fraud in SEC 10b-5 Litigation?" Nana Amoah, Accounting
- "A Video-Based Drowning Detection System for the Safety of Swimmers at Beaches." Chung-Hao Chen, Electrical and Computer Engineering
- "Teachers and Docents Learning in the Museum." Angela Eckhoff, Teaching and Learning
- "To Arrive Where We Started." Peter Eudenbach, Art
- "Computational Analysis of the Mouse Brain Atlas." Shuiwang Ji, Computer Science
- "Examining the Effects of Victim Characteristics, Organizational Resources and Community Social Climate on Prosecutors' Decisions to File Sexual Assault Charges." Kimberly Martin, Sociology and Criminal Justice
• "The Human Dimensions of Environmental Change and Biofuel Energy Production in Madagascar.” **Benjamin Neimark**, Political Science and Geography

• "Modeling Maritime Transportation Chains: A Quantitative Planning Model." **ManWo Ng**, MSVE

• "Use of a Virtual Environment to Regulate Walking in Individuals with Parkinson's Disease.” **Daniel M. Russell**, Physical Therapy

• "Texas is Everywhere South of the Canadian Border: Citizenship Rights, the Politics of Mobility, and the Evolution of Modern American Labor Relations." **John Weber**, History

• "Legitimacy on the U.S. Supreme Court: Individual Responsiveness to the Collective Goal." **Kathleen Winters**, Political Science and Geography

• "Triangular Links between Italian Consumers and Products in the Atlantic Economy during the 1920s and 1930s.” **Elizabeth Zanoni**, History

2011 Recipients

• "Caregiver Quality of Life and Access to a Primary Care Provider." **Christianne Fowler**, Nursing

• "A Book Proposal for Citizen 2.0: Netizens in the Contentious Politics of South Korea." **Jinsun Lee**, Communication and Theatre Arts

• "A Mantooth Covenant: A Novel." **John McManus**, English

• "Reform and Citizenship or How did Ottoman Muslims become a Bulgarian National Minority, (ca. 1856-1939).” **Anna Mirkova**, History

• "Politics in the Union Army during the American Civil War." **Timothy J. Orr**, History

• "Product Market Competition, Managerial Slack, and Cost of Capital." **Jong Chool Park**, Accounting

• "The Southern Belle." **Greta Pratt**, Art

• "Spontaneous Use of Words that Express Emotions in Children Who Do and Do Not Stutter." **Corrin G. Richels**, Communication Disorders and Special Education

• "Element Tetris: Cross Platform Serious Games for Learning Chemistry." **Yuzhong Shen**, Modeling and Simulation Engineering

• "The Kingdom of Kongo, 1880-1915." **Jelmer Vos**, History


2010 Recipients

• "Imminent Flexibility: New Music Industry Practices in the Age of the End User." Tim Anderson, Communication and Theatre Arts (College of Arts and Letters)

• “The Influence of Social and Methodological Values on Functional Neuroimaging Research on Sex Differences.” **Robyn Bluhm**, Philosophy and Religious Studies (College of Arts and Letters)
• "Statistical Modeling for Peak Finding in ChIP-seq data." Nak-Kyeong Kim, Mathematics and Statistics (College of Sciences)

• "Using Social Networking and Learner-Centered Measurement in Automated Social Mentoring." Richard Landers, Psychology (College of Sciences)

• "Characterization Brain Tissue and Predicting Brain Tumor Recurrence Using Multisequence." Jiang Li, Electrical and Computer Engineering (Frank Batten College of Engineering and Technology)

• "The Medical Culture of Death in Late Medieval and Early Renaissance Italy: Documents and Sources." Anthony Lichi, Art (College of Arts and Letters)

• “Examining the Spatial-temporal Effects of Urban Heat Islands on West Nile Virus Dissemination: A study of Orleans Parish, Louisiana and Mobile County, Alabama.” Hua Liu, Political Science and Geography (College of Arts and Letters)

• "Enterprise Risk Management and Firm Value." Michael McShane, Finance (College of Business and Public Administration)

• "Multiple Imputation for Measurement Error Correction in Statistical Models." Miguel Padilla, Psychology (College of Sciences)

• "Investigating Performance of Feedback-Based Transmitter Adaptation Schemes in Dynamic Wireless Networks." Dimitrie Popescu, Electrical and Computer Engineering (Frank Batten College of Engineering and Technology)

• "Extralegal Texts: Amateur Writers Shaping Canonicity." David Roh, English (College of Arts and Letters)

• "Lexical Profile and Lexical Diversity of Students' Academic Discourse: A Comparison between Oral and Written Academic Genres across English Native-speaking and International Graduate Students." Alla Zareva, English (College of Arts and Letters)

• "The Effect of Task Cognitive Demand on Situational Interest and Performance." Xihe Zhu, Human Movement Sciences (Darden College of Education)

2009 Recipients

• "Girl Fossil Hunter: A Fantasy of the Life of Mary Anning." Jenifer Alonzo, Communication and Theatre Arts (College of Arts and Letters)

• "Dynamic Modeling of Agile Software Development Process." Lan Cao, Information Technology and Decision Sciences (College of Business and Public Administration)

• "Interrelationships between Linearly Related Lifetime Distributions: Model Prediction and Parameter Estimation." Norou Diawara, Mathematics & Statistics (College of Business and Public Administration)

• "Juvenile Justice Innovation in Norfolk, Virginia: Examining the Factors Predicting Secure Detention." Scott Maggard, Sociology and Criminal Justice (College of Arts and Letters)

• "An Interactionist Approach to Understanding Employee Engagement in High-Quality Self-Development." Karin Orvis, Psychology (College of Sciences)

• "Familiarity Bias in Residential Real Estate." Michael Seiler, Finance (College of Business and Public Administration)
"Inverse Scattering Problem to the Detection of the Surface Impedance of Unknown Objects." Noam Zeev, Mathematics and Statistics (College of Sciences)

"Quality of Data Standards and its Impact on Standard- Based Data." Hongwei Zhu, Information Technology and Decision Sciences (College of Business and Public Administration)

2008 Recipients

"Self-Injury: Assessing the Effectiveness of a Pilot Training Program on Counselor and Counselor Trainee's Awareness, Knowledge and Skills." Laurie M. Craigen, Educational Leadership and Counseling (Darden College of Education)

"Psychometric and Behavioral Validation of the Sensation Seeking Personality Type Scale." James Henson, Psychology (College of Sciences)


"Harnessing Target Base Rates to Improve Weapon Detection Skills in Airline Baggage Screening." Poornima Madhavan, Psychology (College of Sciences)

"Connecting Local History to Social Studies Teacher Education: Investigating Desegregation and Massive Resistance in Norfolk Public Schools." Meghan Manfra, Educational Curriculum and Instruction (Darden College of Education)

“Whitewash.” Manuela Mourao, English (College of Arts and Letters)

"Fishing a Borderless Sea & Environmental Territorialism in the North Atlantic." Brian Payne, History (College of Arts and Letters)

"Ligand Effects in Shape Selected Platinum Nanoparticle Catalysis." Balasubramanian Ramjee, Chemistry and Biochemistry (College of Sciences)

"Public/Elite Opinion and Enacted Public Policy." Jesse Richman, Political Science (College of Arts and Letters)

"Exploration of Lightweight Largescale Sculptural Forms." John Roth, Art, (College of Arts and Letters)

2007 Recipients

"Performance Measurement in Community Policing: The State of the Field in Virginia." Allison T. Chappell, Sociology and Criminal Justice (College of Arts and Letters)

"Virtual Eye Models for Surgery Simulation." Jessica Crouch, Computer Science (College of Sciences)

"The Effect of Labor Market Experience on the Decision to Become Self- Employed." Berna Demiralp, Economics (College of Business and Public Administration)

"Transcribing and Ornamenting Marcello Opus 1: Creating Compact Disc Recording on Trombone and Performing Edition for Trombone, Euphonium and Tuba." James Michael Hall, Music (College of Arts and Letters)
"The Role of Diagnostic Variance, Cultural Bias and Perceived Client Functioning in Counselors' Decision Making Process." Danica Hays, Education Leadership and Counseling (Darden College of Education)

"Role of Conserved Long-Range Interactions in Governing the Formation of the Greek-Key Protein Topology." Lesley H. Greene, Chemistry and Biochemistry (College of Sciences)

"Hydroquinone Toxicity in Murine Lung Macrophage Cells: Metabolic Analysis via High-Resolution Mass Spectrometry." Paula Mazzer, Chemistry and Biochemistry (College of Sciences)

"Molecular Structures of Pig Feces from Conventional and Phytase Transgenic Pigs Investigated by Advanced Solid-State NMR Spectroscopy." Jingdong Mao, Chemistry and Biochemistry (College of Sciences)

"Evaluation of National Board Certification for School Library Media Specialists." Shana Pribesh, Curriculum and Instruction (Darden College of Education)

"Self-Care Choices of HIV and African American Women: A Qualitative Perspective." Kimberly Adams Tufts, Nursing (College of Health Sciences)

### 2006 Recipients

"The Local Meaning of Linguistic Identity: Rural and Urban Speech Patterns in Tidewater, Virginia." Bridget Anderson, English (College of Arts and Letters)

"Assessing Diversity Management in Major U.S. Cities." Michael Clemons, Political Science/Geography/ISRE (College of Arts and Letters)

"Nanoindentation Creep: Modeling and Simulation." Abdelmageed Elmustafa, Mechanical Engineering (Batten College of Engineering and Technology)

"Motivations and European Integration." Kurt Taylor Gaubatz, International Studies (College of Arts and Letters)

"Solving the Jewish Problem: The Genoa Proposal and Mussolini’s Mediterranean Policy." Maura Hametz, History (College of Arts and Letters)

"Motivation for Diabetes Management in a Recreation Setting: Examining the Impact of Family and Day Camp Programs." Edward Hill, Exercise Science, Sport, Physical Education and Recreation (Darden College of Education)

"Antecedents, Processes and Outcomes in Family-Business Successions." Soo-Hoon Lee, Management/Business Administration, College of Business


"A Comparison of Perceptions Regarding University Life and Inclusion Between Students with Disabilities in USA and Ukraine." Sharon Raver-Lampman, Early Childhood, Speech-Language Pathology and Special Education (Darden College of Education)

"Problem Formulation in Teachers' Writing: Exploring the Language of Problems in Professional Discourse." Alfredo Urzua, English (College of Arts and Letters)

"Trends in Relationship Between Socioeconomic Status, Obesity and Diabetes." Qi (Harry) Zhang, Community and Environmental Health, (College of Health Sciences)
"Numerical Algorithms and Simulations of Nematic Polymer Nano- Composite Materials." Ruhai Zhou, Mathematics and Statistics (College of Sciences)