

UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

University of Minnesota

**McNair Scholars Alumni
1992-2021**

“Before you can make a dream come true, you must first have one.”

— RONALD MCNAIR

University of Minnesota McNair Scholars 2021

Dyani Acosta – University of Minnesota

Major: Political Science and Chicano & Latino Studies
“The Influence Mexicans and Mexican Americans Have on Rural Minnesota”
Mentor: Dr. Jimmy Patino, Department of Chicano & Latino Studies

Aysia Dukes – University of Minnesota

Major: Sociology, Law, Criminology, and Deviance
“Sentencing Disparities in Minnesota, 2001-2019”
Mentor: Dr. Christopher Uggen, Department of Sociology

Sher Moua – University of Minnesota

Major: Family Social Science
“Parental Involvement of Hmong Immigrants in Their Children’s Education at Home”
Mentor: Dr. Zha Blong Xiong, Department of Family Social Science

Jasmin Sanchez – University of Minnesota

Major: Psychology
“Associations Among Critical Consciousness (CC), Discrimination, and Physical and Mental Health During the COVID-19 Pandemic”
Mentor: Dr. Richard P. Douglass, Department of Psychology

Hanan Ahmed – University of Minnesota

Major: Biology
“Do We All Have the Same 24 Hours?”
Mentor: Dr. Elizabeth Wrigley-Field, Department of Sociology

Emma Estrella – University of Minnesota

Major: Psychology
“A Scoping Review of Gender-Based Public Harassment in the United States”
Mentor: Dr. Patricia A. Frazier, Department of Psychology

Jordan Navarro – Carleton College

Major: Cognitive Science, Philosophy
“Effects of Preview Advertisements on Attitudes About Full-Length Advertisements”
Mentor: Dr. William Hedgcock, Department of Marketing

Carter Sellner – University of Minnesota

Major: Genetics, Cell Biology, & Development
“Transcriptional vs Protein-Level Regulation of the Src-Family Kinases LynA and LynB”
Mentor: Dr. Tanya Freedman, Center for Immunology

Muna Bishar – University of Minnesota

Major: Health Service Management
“Perceptions of Childhood Abuse Among Psychologists, Students, and the General Public”
Mentor: Prof. Viann Nguyen-Feng, Department of Psychology (University of Minnesota, Duluth)

Lisette Horne – University of Minnesota

Major: Psychology, Spanish
“Disclosing Relationship Wrongdoing: The Role of Confidants”
Mentor: Dr. Marti Hope Gonzales, Department of Psychology

Patrick E. Nolan – University of Minnesota

Major: Sociology of Law, Criminology, and Deviance
“Correctional Officer (Un)Wellness - An International Analysis”
Mentor: Dr. Christopher Uggen, Department of Sociology

Yanai Sun – University of Minnesota

Major: Computer Science
“Is There a Relation Between COVID-19 School Closures and Childcare Usage or Young Children?”
Mentor: Dr. Daniel Berry, Institute of Child Development

Zane Crabtree – University of Minnesota

Major: Neuroscience and Psychology
“The Role of Caspase-2 in Long-term Depression and Neurodegenerative Diseases”
Mentor: Dr. Karen Hsiao Ashe, Department of Neurology

Linda Lubi – University of Minnesota

Major: urban Studies and Sociology
“Impact of Gentrification in Minneapolis and Saint Paul Between the Years 2000-2019”
Mentor: Dr. Edward Goetz, Hubert H. Humphrey School of Public Affairs

Dalton Piotter – University of Minnesota

Major: Microbiology, Genetics, Cell Biology, and Development (GCD), and Plant and Microbial Bioogy (PMB)
“Centromere Orientation and Genomic Instability of Candida Albicans”
Mentor: Dr. Anna M. Selmecki, Twin Cities Medical School

Maria Xiong – University of Minnesota

Major: Family Social Science
“Personal/Group Discrimination Discrepancy: Worry About Discrimination Among Asian Americans During COVID-19”
Mentors: Dr. Richard M. Lee, Department of Psychology

Quynh Nhu Dao – University of Minnesota

Major: Developmental Psychology
“Academic Achievement in Transracial Adoptees: The Role of Emotion Regulation, Parental Involvement, and Diversity in the Classroom”
Mentor: Dr. Megan A. Gunnar, Institute of Child Development

Jennifer Meraz Barrera – Hamline University

Major: Speech-Language-Hearing Sciences
“Anti-Reflux Formulas: The Effects of Warming on Thickening Attributes”
Mentor: Dr. Katlyn McGratten, Department of Speech-Language-Hearing Sciences

Kathy Zamarripa – University of Minnesota

Major: Family Social Science
“What Immigrant Parents Do to Support Their Children’s Education: Exploring the Experiences of Hmong Parents in Charter Schools”
Mentor: Dr. Zha Blong Xiong, Department of Family Social Science

Maria Zavala Garcia – University of Minnesota

Major: Political Science
“How Judges of the Inter-American Court of Human Rights Express Dissent: An Analysis of Separate Judicial Speech”
Mentor: Dr. Cosette D. Creamer, University of Minnesota Law School

University of Minnesota McNair Scholars 2020

Serena L. Armstrong – University of Minnesota

Major: Sociology of Law, Criminology, and Deviance & Psychology
“Examining How Racial-Ethnic Socialization Transcends Beyond Socioeconomic Status - K.I.D.S PROJECT”
Mentor: Dr. Teresa Swartz, Department of Sociology

Nautica Flowers – University of Minnesota

Major: African American and African Studies
“Misogynoir in the Classroom: A Literature Review on the Experiences of Black Girls in Schools”
Mentor: Dr. Keith Mayes, African American and African Studies

Alonso E. Galvan-Ochoa – University of Minnesota

Major: Psychology
“Measuring Adolescent Stress in Times of COVID-19”
Mentor: Dr. Kathleen Thomas, Institute of Child Development

Quan Guan – University of Minnesota

Major: Electrical Engineering
“Sleep Apnea Detector with Polyvinylidene Fluoride File Sensor and Bluetooth Low Energy”
Mentor: Dr. John Sartori, Electrical and Computer Engineering Department

Chloe Hendrix – University of Minnesota

Major: Developmental Psychology
“Examining the Relationship between Race, Ethnicity, and Self-Efficacy in STEM for Middle School Students”
Mentor: Dr. Keisha Varma, Department of Educational Psychology

Lillie Lee – University of Minnesota

Major: Family Social Science
“Embroidering Collaboration between University, Community, and School: Using the Hmong Children’s Longitudinal Study as an Example”
Mentor: Dr. Zha Blong Xiong, Department of Family Social Science

Emma J. Otremba – University of Minnesota

Major: Youth Studies
“‘Uncertain but Hopeful’: Early Childhood Family Educators’ Perspectives on COVID-19 Virtual Instruction”
Mentor: Dr. Susan K. Walker, Department of Family Social Science

Ethan R. Partida – University of Minnesota

Major: Mathematics & Computer Science
“Symmetry of a Pastry: A Mathematical Investigation into the Braid Group”
Mentor: Prof. Vic Reiner, School of Mathematics

Arleth Pulido-Nava – University of Minnesota

Major: Sociology of Law, Criminology and Deviance
“Lost Latinx Voters: Preliminary Estimates of Latinx Felony Disenfranchisement in 2020”
Mentor: Dr. Christopher Uggen, Department of Sociology

Breanna D. Rivera-Kloepfel – University of Minnesota

Major: Family Social Science
“Relationship Between Self-Care and Compassion Fatigue in Mental Health Professionals: A Critical Review”
Mentor: Dr. Tai Mendenhall, Department of Family Social Science

Khalique Rogers – University of Minnesota

Major: Business and Marketing Education
“Understanding Research Evidence Use in the Context of State Education Policy”
Mentor: Dr. Matthew Weber, Hubbard School of Journalism and Mass Communication

Jacob A. Smiley – University of Minnesota

Major: History
“East-Central European Contributions to Making History While Young and Female”
Mentor: Dr. M.J. Maynes, Department of History

Emame Thompson-Eja – University of Minnesota

Major: Psychology
“Correlates of Concealment and Disclosure among People of Color Sexual Minorities: A Literature Review”
Mentor: Dr. Richard P. Douglass, Department of Psychology

Yeng Vang – University of Minnesota

Major: ?
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Mentor: Prof. Marc F. Bellemare, Department of Applied Economics

Maddie Westenberg – University of Minnesota

Major: Biochemistry
“A Stochastic Model of Cell-free Protein Synthesis Using the PURE System”
Mentor: Dr. Kate Adamala, Department of Genetics, Cell Biology, and Development

Mai Kao Xiong – University of Minnesota

Major: Family Social Science
“Hmong Americans’ Attitudes Towards Traditional Funerals and Accounts of the Cost of Putting a Funeral Together”
Mentors: Dr. Zha Blong Xiong, Department of Family Social Science

Saulkdi Yangh – University of Minnesota

Major: Sociology
“Beyond Demographics: Extracurricular Activities and Southeast Asian American Identity”
Mentor: Dr. Teresa Swartz, Department of Sociology

Raniya Yimam – Hamline University

Major: Public Health & Global Studies
“Food Insecurity on Racial Disparity”
Mentors: Dr. Jamie Slaughter-Acey, Division of Epidemiology and Community Health

Kathy Zamarripa – University of Minnesota

Major: Conservation Biology
“Variable Impacts of Invasive Zebra Mussels on Native Fishes”
Mentor: Dr. Gretchen J. A. Hansen, Department of Fisheries, Wildlife, and Conservation Biology

Bruktawit Zewdie – University of Minnesota

Major: Health and Wellness
“Prospective Study on Childhood Emotional Abuse and Health Outcomes”
Mentor: Dr. Viann Nguyen-Feng, Department of Psychology (University of Minnesota - Duluth)

**University of Minnesota McNair Scholars
2019**

Aaisha Abdullahi – Hamline University

Major: Exercise Science & Psychology
“Are We Equal? The Unique Challenges of Extracurricular Activities for Muslim Youth in the U.S.”
Mentor: Dr. Douglas Hartmann, Department of Sociology

Alexis Bartelt – St. Catherine’s University

Major: Sociology
“Report and Analysis of Race in Children’s Extracurricular Activities”
Mentor: Dr. Teresa Swartz, Department of Sociology

Milena Cornejo – University of Minnesota

Major: Psychology
“The Protective Role of Hispanic Ethnicity on the Relationship Between Stress and Executive Functioning in Preschool-Aged Children”
Mentor: Dr. Megan Gunnar, Institute of Child Development

Lizeth Diaz Rodriguez – University of Minnesota

Major: Psychology
“Health Status and Access to Healthcare Services among Infants Born to Women in Prison”
Mentor: Dr. Rebecca Schlafer, Department of Pediatrics

Judith Dominguez – University of Minnesota

Major: Mechanical Engineering
“Effects of mild traumatic brain injury on widespread cortical function”
Mentor: Dr. Suhasa Kodandaramaiah, Department of Mechanical Engineering

Calvin Duong – University of Minnesota

Major: Speech Language Hearing Sciences
“Assessing the Need for Improving Access to Hearing Healthcare in Minnesota”
Mentor: Dr. Evelyn Davies-Venn, Department of Speech Language Hearing Sciences

Yaren Euceda Mejia – University of Minnesota

Major: Computer Engineering & Mathematics
“Counting Metaplectic Ice and Modified Alternating Sign Matrices”
Mentor: Dr. Ben Brubaker & Claire Frechette M.S. (Ph.D. candidate), School of Mathematics

Samantha Gardow – University of Minnesota

Major: Psychology
“Maternal Macronutrients Across Pregnancy: Impacts on Fetal Growth Trajectories”
Mentor: Dr. Megan Gunnar, Institute of Child Development

Nayelli Guerrero – University of Minnesota

Major: American Studies
“Racial Impact of Monetary Sanctions in Minnesota”
Mentor: Dr. Christopher Uggen, Department of Sociology

Sierra Hamernick – University of Minnesota

Major: Genetics, Cell Biology & Development
“Identification of Festuca ovina taxa through ploidy level estimation and genome size measurement”
Mentor: Dr. Florence Sessoms, Department of Horticultural Science

Anna Heinz – University of Minnesota

Major: Child Psychology
“Teacher Relationships in Children at Risk Due to Homelessness”
Mentor: Dr. Ann Masten, Institute of Child Development

Amina Hussein – University of Minnesota

Major: Genetics, Cell Biology & Development
“Defining the Spatiotemporal Expression of Contactin-3 and Dispatched-3 in Chick Embryos”
Mentor: Dr. Laura Gammill, Department of Genetics, Cell Biology, and Development

Lemlem Jeldo – University of Minnesota

Major: Family Social Science
“Confidential Sexual and Reproductive Health Services Based on Parent and Adolescent Responses”
Mentor: Dr. Renee Sieving, School of Nursing

Yoojyim Moua – University of Minnesota

Major: Kinesiology
“Measures of Physical Activity Among Children”
Mentor: Dr. Daheia Barr-Anderson, School of Kinesiology

Ianna Oatis – University of Minnesota

Major: Global Studies
“Understanding the Higher Education Movement: Making Connections between Race, Universities, and Historical Injustices”
Mentor: Dr. Yuichiro Onishi, Department of African American & African Studies

Muna Osman – University of Minnesota

Major: Psychology
“Educating Somali Parents on Healthy Child Development through m-Health Communication”
Mentor: Dr. Richard Lee, Department of Psychology

Dante Rogers – University of Minnesota

Major: Psychology
“Antipriming in Spoken Word Recognition”
Mentors: Dr. Chad Marsolek, Department of Psychology

Jessica Sanchez – University of Minnesota

Major: Family Social Science
“The Implementation and Evaluation of Financial Education Curriculum for Karen Young Adult Refugees”
Mentor: Dr. Catherine Solheim, Department of Family Social Science

Yosan Tsegai – University of Minnesota

Major: Kinesiology
“Exploring Measures of Balance and Cardiovascular Health in a Dance Style Leisure Program for Adults with Down Syndrome and Related Disorders”
Mentors: Dr. Patricia Schaber, Department of Occupational Therapy

Salamong Xiong – Macalester College

Major: Physics & Philosophy
“SuperCDMS: Energy Calibration of a Ge HV Particle Detector Using Radioactive Sources”
Mentor: Dr. Vuk Mandic, School of Physics & Astronomy

Chue Yang – University of Minnesota

Major: Plant Science
“Evaluating the Growth of Spring Planted Pea Varieties”
Mentor: Dr. Adria Fernandez, Department of Agronomy & Plant Genetics

**University of Minnesota McNair Scholars
2018**

Keegan Bunker – University of Minnesota

Major: Aerospace Engineering & Mechanics with minors in Math, Computer Science, and Astrophysics
“Helmholtz Coil Testbed Design for Hardware-in-the-loop Testing of CubeSat Satellite Attitude Determination and Control Systems”
Mentor: Demoz Gebre-Egziabher, Dept. of Aerospace Engineering and Mechanics

Yadira Damazo – University of Minnesota

Major: Sociology with a minor in social justice
“Gentrification as Structural Violence: A Critical Literature Review”
Mentor: Yuichiro Onishi, Dept. of African American & African Studies

Mark Dresel – University of Minnesota

Major: Chemistry
“Exploration of Binding Moieties of Lanthanide Complexes and Its Effects on Anion Affinity”
Mentor: Valérie C. Pierre, Dept. of Chemistry

Muzamil Ibrahim – University of Minnesota

Major: Youth Studies
“Playing Indian: Dehumanization or development?”
Mentor: Katie Johnston-Goodstar, School of Social Work

Kania Johnson – University of Minnesota

Major: Family Social Science
“Getting Close to Inequities: Inequality Experts’ Proximity to the Communities They Serve”
Mentor: Chris Uggen, Dept. of Sociology

Kimberly Knourek – University of Minnesota

Major: Child Psychology with a minor in Family Social Science
“Effects of Parent Stress and Distress on Parenting Quality and Child Behavior”
Mentor: Ann S. Masten, Institute of Child Development

Brianna Lundgren – University of Minnesota

Major: Psychology with minors in Neuroscience and Family Social Science
“Internalizing, Externalizing, and ADHD Symptoms of Post-Institutionalized Adolescents”
Mentor: Megan Gunnar, Institute of Child Development

Abigayle Z. McClendon – University of Minnesota

Major: Psychology with minors in neuroscience and leadership
“Reduced Hippocampal Volume in Comorbid Alcohol Use Disorders and Major Depression”
Mentor: William G. Iacono, Dept. of Psychology

Nicolas Mendivil – University of Minnesota

Majors: Kinesiology & Psychology
“The Effect of High-Intensity Interval Training (HIIT) on Physical Activity Adherence on Low Active Adults”
Mentor: Beth Lewis, School of Kinesiology

Cristaly Mercado – University of Minnesota

Major: Special Education
“Commercial Card Games Improve Middle School Students’ Executive Functioning”
Mentor: Keisha Varma, Dept. of Educational Psychology

Julissa M. Molina-Vega – Macalester College

Major: Biochemistry with a minor in Chemistry
“Eicosanoid Regulation of the Nuclear Pore Complex in Breast Cancer”
Mentor: David Potter, Dept. of Medicine, Division of Hematology, Oncology, and Transplantation

Samantha Mussehl – University of Minnesota

Major: Kinesiology
“Innervation Status in Soleus Muscle Post Hemorrhagic Stroke”
Mentor: LeAnn Snow, Dept. of Rehabilitation Medicine

Minh-Uyen Nguyen – University of Minnesota

Major: Biomedical Engineering
“Development of a Single Cell Mechanical Characterization Platform”
Mentor: David K. Wood, Dept. of Biomedical Engineering

Salma Noor – University of Minnesota

Major: Nutrition with a minor in Public Health
“The Role of Prebiotics and Probiotics in the Oral Microbiota”
Mentor: Joanne Slavin, Dept. of Food Science & Nutrition

Luis Ramirez – University of Minnesota

Major: Physiology
“Selective N-Terminal BET-Family Bromodomain Inhibitor Development by Targeting the ZA-Channel of BRD4”
Mentor: William Pomerantz, Dept. of Medicinal Chemistry

Nahrissa I. Rush – University of Minnesota

Major: Sociology with a minor in comparative U.S. race and ethnicity
“Choices by Default? Opportunities and Constraints for Families of Color in Youth Activities”
Mentor: Douglas Hartmann, Dept. of Sociology

Zerbine Atosha Rypa – University of Minnesota

Major: Sociology: Law & Crime Deviance
“The Red Line Between Us and Them: A Conceptual Framework of How the Violence Used to Protect White Privilege Turns into a Common Sense Myth in the Penal System”
Mentor: Michael Walker, Dept. of Sociology

Sandra Taylor – Carleton College

Major: Psychology with a minor in Neuroscience
“The Effect of Texture in Surround Suppression”
Mentor: Cheryl A. Olman, Department of Psychology

Taylor Westfall-McCoy – University of Minnesota

Major: Animal Science
“Effect of β -Hydroxy- β -methylbutyrate on Proteolysis via Ubiquitination in Equine Skeletal Muscle Cells Using Western Blot Techniques”
Mentor: Marcia R. Hathaway, Dept. of Animal Science

Salamong Xiong – Macalester College

Majors: Physics and Philosophy
“Optical Characteristic Measurements of Crystalline Silicon (c-Si)”
Mentor: Shaul Hanany, School of Physics and Astronomy

University of Minnesota McNair Scholars 2017

Firdavs Abzhabarov – University of Minnesota

Major: Life Sciences, Psychology, Communication Studies
“Creation, Transfection, and Verification of HDAC4-GFP Lenti-viral Construct”
Mentor: Kim Mansky, School of Dentistry

Kamilah Amen – University of Minnesota

Major: Chemistry & Bioproducts Engineering
“Alteration of Oligodendrocyte Functional Mechanics By Neurodegenerative Disease”
Mentor: Patrick Alford, Dept. of Biomedical Engineering

Zack Crowley – University of Minnesota

Major: Psychology
The Interaction of Economic Inequality and Authoritarianism on Voter Preference During the 2016 Presidential Election
Mentor: Howard Lavine, Department of Political Science

Laura Dédé d’Almeida – University of Minnesota

Major: Global Studies
“Learning and Empowerment: A Social Network Analysis of Fellowship Participants”
Mentor: Christopher Johnstone, Department of Organizational Leadership, Policy & Development

Brandon C. Hyde – University of Minnesota

Major: Statistics
“Evaluating Methods to Identify Introgressed Regions”
Mentor: Yaniv Brandvain, Dept. of Plant & Microbial Biology

Austin Leikvoll – University of Minnesota

Major: Genetics & Cell Biology and Development
“Developing a Muscle Tissue Construct Using 3D Bioprinting”
Mentor: Angela Panoskaltis-Mortari, Dept. of Pediatrics

Kayne Lussier – University of Minnesota

Major: Early Childhood Education
“Development of IGDI Assessments for 3-Year-Olds and Review of Literacy Interventions”
Mentor: Scott McConnell, Dept. of Educational Psychology

Nicole A. Lynn – California State Polytechnic University, Pomona

Major: Biotechnology
“The Effect of Saturated Fatty Acid on Immune Metabolism in Microglia”
Mentors: Tammy Butterick, Dept. of Food Science & Nutrition; Jill Adler, Dept. of Biological Sciences

Mallory Mintz – Carleton College

Major: Geology
“Tracing Sediment Source Responses to Water Infrastructure Development and Management in Medicine Lake National Wildlife Refuge, Montana”
Mentors: Amy Myrbo, Dan Maxbauer, & Mark Shaplen, Department of Earth Sciences

Nahom Mossazghi – University of Minnesota

Major: Neuroscience
“Cranial Prostheses for Chronic, Pan-Cortical Two-Photon Imaging in Behaving Mice”
Mentor: Suhasa Kodandaramaiah, Dept. of Mechanical Engineering

Aarinola Esther Okelola – University of Minnesota

Major: Elementary Education Foundations
“Discipline Practices and Racial Equity in Schools: Mapping Restorative Justice in Minnesota Schools”
Mentor: Catherine Squires, Dept. of Communication Studies

Mary K. Onchiri – University of Minnesota

Major: Family Social Science & Psychology
“The Effect of Social Conditions on Psychological Distress in Minneapolis Neighborhoods”
Mentor: Richard Lee, Department of Psychology

Susan Phetsamone – University of Minnesota

Major: Sociology & Family Social Science
“Youth: Threats to Communities vs Rising Stars”
Mentor: Teresa Swartz, Department of Sociology

Tyra Reed – University of Minnesota

Major: Psychology
“The Effects of Skin Color on Health: Trends from the General Social Survey”
Mentor: Samuel Myers, Jr., Humphrey School of Public Affairs

Santino Reynolds – University of Minnesota

Major: Sociology: Law, Crime, & Deviance
“The Connotations of Police Reform in North Minneapolis”
Mentor: Michelle Phelps, Department of Sociology

Catherine Richards – University of Minnesota

Major: Psychology & Neuroscience
“Grammatical Gender’s Effect on Inferences of Biological Sex in Spanish Speakers”
Mentor: Maria Sera, Institute of Child Development

Brenda Sanchez Murillo – University of Minnesota

Major: Sociology
“Evaluating Probation Experiences”
Mentor: Michelle Phelps, Department of Sociology

Gao Thor – Macalester College

Major: Psychology
“A Tale of Two Central Graduates 20 Years Apart: A Collaborative Autoethnography on College Access”
Mentor: Na'im Madyun, Dept. of Organizational Leadership, Policy & Development

Chen Vue – University of Minnesota

Major: Family Social Science
“Influence of Parental Involvement on Hmong Children’s Academic Performance”
Mentor: Zha Blong Xiong, Dept. of Family Social Science

Taylor Westfall-McCoy – University of Minnesota

Major: Animal Science & History of Science and Technology
“Cold Plasma for Decontamination of Chicken Breast, Romaine Lettuce, & Stainless Steel Surfaces from Multi-Drug Resistant Salmonella Enterica Serovar Heidelberg”
Mentor: Sagar Goyal, College of Veterinary Medicine

Halimo Yusuf – University of Minnesota

Major: Psychology
“The Relationship between Stress and Academic Performance in Community College Students”
Mentor: Liza Meredith, Department of Psychology

Fralinda Zazay – University of Minnesota

Major: Psychology
“Resilience in Children Experiencing Homelessness: Preschool Attendance and Later Academic Success”
Mentor: Ann Masten, Institute of Child Development

University of Minnesota McNair Scholars 2016

Karen Bonfil-Ruiz – University of Minnesota

Major: Sociology
“Healthcare Legal Partnerships Needs Assessment”
Mentor: Eileen Weber, School of Nursing

Javaris Bradford – University of Minnesota

Major: Sociology
“3 Strikes & Racial Disparities in Incarceration”
Mentor: Samuel Myers, Humphrey School of Public Affairs

Sokamarint Chak – University of Minnesota

Major: Microbiology & Medical Laboratory Science
“Hydrothermal Carbonization Conversion of Agricultural Residues to Value-Added Products”
Mentor: Ken Valentas, Biotechnology Institute

Danielle B. Cotton – University of Minnesota

Major: Family Social Science
“Intersections of Racialized Experiences and Psychosocial Development for Black Undergraduates at a Predominately White Institution”
Mentor: Tabitha Grier-Reed, Department of Family Social Science

Corey Culver – University of Minnesota

Major: Sociology
“Police Strength and Crime Rates”
Mentor: Elizabeth Boyle, Department of Sociology

Aracely C. Duerkop – University of Minnesota

Major: Nursing
“Non-pharmacological Interventions for Latinos with Alzheimer’s Disease and their Family Caregivers”
Mentor: Joseph Gaugler, School of Nursing

Victoria Y. Idowu – University of Minnesota

Major: Speech-Language-Hearing Sciences
“Ripple Perception in Musicians Compared to Non-Musicians: Effects of Bandwidth and Intensity”
Mentor: Evelyn Davies-Venn, Department of Speech-Language-Hearing Sciences

Ana V. Lozano – University of Minnesota

Major: Family Social Science
“Disrupting the Effects of Parental Math Anxiety: How Parental Expectations and Involvement Matter for Children’s Mathematical Outcomes”
Mentor: Rose Vukovic, Department of Educational Psychology

Saida Mahamud – University of Minnesota

Major: Global Studies
“The Effect of Citizenship Status and Nativity on Minimum Wage Coverage among Black Workers in Minnesota”
Mentor: Samuel Myers, Humphrey School of Public Affairs

Fadumo Mohamed – University of Minnesota

Major: Elementary Education
“Insights into the Academic Language Learning of Somali Elementary Students”
Mentor: Lori Helman, Department of Curriculum & Instruction

Lydia Negussie – University of Minnesota

Major: Sociology of Law
“Performing Masculinity: Examining Men’s Experiences of Gender Based Violence”
Mentor: Gabrielle Ferrales, Department of Sociology

Ryan Nguyen – University of Minnesota

Major: Medical Laboratory Science
“Virulence profiles of non-typhoidal Salmonella strains of avian, bovine and porcine origins”
Mentor: Sinisa Vidovic, Department of Veterinary Science

Dorothy O’Berry – University of Minnesota

Major: Business & Marketing Education
“The Impact of Narrative Pedagogy on Student Learning”
Mentor: Rashné Jehangir, Department of Organizational Leadership, Policy & Development

Jackie Penaloza – University of Minnesota

Major: Mathematical Biology: Physiology
“A Mathematical Model to Simultaneously Calculate Growth and Death Rates of Cells Undergoing Oxidative Stress”
Mentor: Meri Firpo, Division of Diabetes, Endocrinology & Metabolism

Vilma Quito Fernandez – University of Minnesota

Major: Business & Marketing Education
“Money Management & Technology: Financial Practices of College Students”
Mentor: Virginia Zuiker, Department of Family Social Science

Chria Vang – University of Minnesota

Major: Youth, Holistic Health & Healing, & Leadership Studies
“Parent Participatory Action Research Curriculum Draft”
Mentors: Michele Allen, Department of Family Medicine & Community Health; Luis Ortega and Shannon Pergament, Somali, Latino and Hmong Partnership for Health and Wellness (SoLaHmo)

Kee Vang – Metropolitan State University

Major: Business Administration
“The Effect of Minority Faculty Representation on McNair Program Success Rate, 2010-2014”
Mentor: Samuel Myers, Humphrey School of Public Affairs

Ricky Vang – University of Minnesota

Major: Family Social Science
“The Relationship between Educational Attainment and Financial Management”
Mentors: Cathy Solheim & Veronica Deenanath, Department of Family Social Science

Jayson Watkins – University of Minnesota

Major: Sport Management & Psychology
“Parent Understanding of and Involvement in Organized, Out-of-School Youth Activities”
Mentor: Douglas Hartmann, Department of Sociology

Sim (Net) Youk – University of Minnesota

Major: Biology, Society, & Environment
“The Association Between U.S. Patients’ Household Income & Medication Experiences”
Mentor: Jon C. Schommer, Department of Pharmaceutical Care & Health Systems

University of Minnesota McNair Scholars 2015

Sahaam Abdi - University of Minnesota

Major: Linguistics

"Individual Differences in the Acquisition of the /s/ and Contrast: A Study of Adults' Perception of Child Speech"

Mentor: Benjamin Munsion, Ph.D., Department of Speech, Language and Hearing Sciences

Noussaiba Ayour - University of Minnesota

Major: Biology, Society and Environment

"Intimate Partner Violence and Weight Gain in Young Women"

Mentor: Susan Mason, Ph.D., School of Public Health

Karimantou Bah - University of Minnesota

Major: Biochemistry

"Microglia Response to Fatty Acid Binding Protein-UCP2 Axis in Facilitating Neuroinflammation"

Mentor: Tammy Butterick, Ph.D. Dept. of Food Science and Nutrition

Wendy Chu - Macalester College

Major: Psychology

"Exploring the Construct Validity of Letters of Recommendation in Graduate Admissions: The Hidden "Unknowns" Within"

Mentor: Nathan Kuncel, Ph.D., Department of Psychology

Kayla Cory - University of Minnesota

Major: Kinesiology

"Effects of Yoga on Blood Pressure, Stress and Physical Activity in Overweight, African-American Women"

Mentor: Daheia J. Barr-Anderson, Ph.D., School of Kinesiology

Bailey Galloway - St. Catherine University

Major: American Sign Language Interpreting

"American Sign Language: Monitoring Student Progress"

Mentor: Susan Rose, Ph.D., Dept. of Educational Psychology

Raúl Guzmán-Ayala - Carleton College

Major: Latin American Studies with a Certificate of Advanced Study in Spanish

"Achieving Goals: Role of Support and Structure for Latina/o Student Post-High School Goals"

Mentor: Michael C. Rodriguez, Ph.D., Dept. of Educational Psychology

Eileen Lee - University of Minnesota

Major: Health and Wellness/ICP

"A Mixed Methods Assessment of Family Influence on Weight-Related Behaviors among African-Americans"

Mentor: Daheia J. Barr-Anderson, Ph.D., School of Kinesiology

Lamin Manjang - University of Minnesota

Major: Health and Wellness/ICP

"These are hard questions: An Investigation of 6th Graders' Developmental Abilities to Answer Survey Items"

Mentor: Barbara McMorris, Ph.D., School of Nursing: Division of Pediatrics and Adolescent Health

Hamza Mussé - University of Minnesota

Major: Political Science

"Growth in Black-Owned Businesses: Perceptions Versus Statistics"

Mentor: Samuel J. Myers, Ph.D., Humphrey School of Public Affairs

Sonia Paredes-Guaman - University of Minnesota

Major: Family Social Science

"Breaking Barriers in Ghana: Impact of Reproductive Health Curriculum and Cultural Activity Sessions on Adolescent Girls"

Mentor: Rose Vukovic, Ph.D., Dept. of Educational Psychology

Shanel Perez - University of Minnesota

Major: Business and Marketing Education & Human Resource Development

"Rethinking Cultural Competence"

Mentor: Jarrett Gupton, Department of Organizational Leadership, Policy and Development

Bryan Polkey - University of Minnesota

Major: Nursing

"Medical-Legal Advocacy Screening Questionnaire: Evaluating Efficacy"

Eileen Weber, Ph.D., School of Nursing

Azira Rivera - University of Minnesota

Major: Mathematics

"Characterizing Indel Mutations in Arabidopsis thaliana as a Model for Compensatory Evolution"

Mentor: Yaniv Brandvain Ph.D., Department of Plant Biology

Dave Sukharan - University of Minnesota

Major: Microbiology

"Research Centers Struggling to Communicate: Social Media as a New Pathway"

Mentor: Sarah Axtell, Ph.D., Department of Family Social Science

Jonathon Swan - University of Minnesota

Major: Nutrition

"Beneficial Effects of Selenium on the Human Gut Microbiome"

Mentor: Joanne Slavin, Ph.D., Department of Food Science and Nutrition

Julie Vang - University of Minnesota

Major: Family Social Science

"Do They Think Alike? Immigrant First-Generation Students' Decision and Parents' Preferences for College Major and Career"

Mentors: Cathy Solheim, Ph.D., Department of Family Social Science & Veronica Deenanath, Department of Family Social Science

Gaozouapa Vue - University of Minnesota

Major: Youth Studies

"Livelihood Complexities in Kenya from the Perspectives on Youth Orphans"

Mentors: Christopher Johnstone, Ph.D. International Initiatives and Relations & Nancy Pellowski Wiger, Department of Organizational Leadership, Policy and Development

Hany Wahila - University of Minnesota

Major: Political Science

"A RADical Departure? The Redevelopment of Glendale Townhomes"

Mentor: Ryan P. Allen, Ph.D., Humphrey School of Public Affairs

Aaryn Wilson - University of Minnesota

Major: Plant Science

"Evaluation of a New Test to measure Soil Health"

Mentor: Carl Rosen, Ph.D., Department of Soil, Water and Climate

University of Minnesota McNair Scholars 2014

Arafat Akinlabi - Carleton College

Major: Chemistry
"Hydrothermal Synthesis of the Spinel Compound CuCo₂S₄"
Mentor: R. Lee Penn, Ph.D., Department of Chemistry

Nicholas Baird - University of Minnesota

Major: Psychology
"Measurement Matters: Effects of Measurement Error on One-Sample t-Tests"
Mentor: David Weiss, Ph.D., Department of Psychology

Luc Desroches - University of Minnesota, Duluth

Major: Mechanical Engineering
"Experimental Determination of Poisson's Ratio for Asphalt Binder"
Mentors: Mihai Marasteanu, Ph.D. & Joa Liang Le, Ph.D., Department of Civil Engineering

Mariah Geiger - Macalester College

Major: International Studies
"Closing the Research Circle: Giving Back Results to the Community"
Mentor: Jean L. Forster, Ph.D., Department of Epidemiology

Amanda Geldert - University of Minnesota

Major: Child Psychology
"Family Reminiscence Across Generations"
Mentor: Steve Yussen, Ph.D., Institute of Child Development

Amber Jones - University of Minnesota

Major: African American & African Studies
"W. Gertrude Brown: A Case of Black Women's Activism in Minnesota, 1920-1940"
Mentor: Yuichiro Onishi, Ph.D., Department of African American Studies

Jason Jones - University of Minnesota

Major: Biochemistry
"One Fungus, many hosts? Symbiosis between *Daldinia loculata* and its many plant hosts"
Mentor: Georgiana May, Ph.D., Department of Ecology, Evolution and Behavior

Lawrence Karongo - University of Minnesota

Major: Applied Economics
"The Production Black Ph.D.s. in Economics at Harvard University, 1905-1955"
Mentor: Samuel Myers, Ph.D., Humphrey School of Public Affairs

Jade Mathre - University of Minnesota

Major: Genetics, Cell Biology and Development & Plant Biology
"Geminivirus Delivery of CRISPR/Cas9 for Plant Genome Engineering"
Mentor: Dan Voytas, Ph.D., Department of Genetics, Cell Biology and Development

Mulki Naley - University of Minnesota

Major: Business & Marketing Education
"School choice: Factors Influencing Somali Immigrant Parents' Choices for their Children"
Mentor: Karen Seashore, Ph.D., Department of Organizational Leadership, Policy and Development

Evita Sanchez - University of Minnesota

Major: Psychology
"Acculturative Stress, Self-esteem, and Emotional Well-being among Latina Adolescents"
Mentor: Carolyn Garcia, Ph.D., School of Nursing

Ambrosia Smith - University of Minnesota

Major: Biology, Society & Environment
"Neural Mechanisms of Drug Abuse in Females"
Mentor: Paul Mermelstein, Ph.D. & Luis Martinez, Ph.D., Department of Neuroscience

Mara Stommes - University of Minnesota

Major: Family Social Science & Communication Studies
"Mobile Health Technologies: A Critical Review of Literature"
Tai Mendenhall, Ph.D., Department of Family Social Science

Redeat Tibebe - University of Minnesota

Major: Horticulture
"The Role of Reactive Oxygen Species following Ultraviolet-B Irradiation"
Mentor: Gary Gardner, Ph.D., Department of Horticulture Science

Joe Vang - University of Minnesota

Major: Biology, Society & Environment
"Evaluation of Patient Oriented Drug to Drug Interactions Information Systems"
Mentor: Terrance Adam, Ph.D., Department of Pharmaceutical Care and Health

Jaleesa Wright - University of Minnesota

Major: Family Social Science
"Exposure to Incarceration -Related Events in a Sample of Children with Jailed Parents"
Mentor: Rebecca Schlafer, Ph.D., Department of Pediatrics

Crystal Yang - University of Minnesota

Major: Individualized Studies
"Lao Initiative for Eating Healthy: Making the Connections between Sodium Intake and Hypertension in the Lao Community"
Mentor: Cathy Solheim, Ph.D., Department of Family Social Science

**University of Minnesota McNair Scholars
2013**

Natisha Alicea – University of Minnesota

Major: Child Psychology
“Parenting Education and Support for Imprisoned Mothers”
Mentor: Rebecca Schlafer, Ph.D., Department of Pediatrics

Jade Beauclair – University of Minnesota

Major: Youth Studies
“Laboratory for Justice: A Contextual Analysis of Legal Experimentation and Pedagogy at Howard University Law School, 1929-1954”
Mentor: Robert Poch, Ph.D., Department of Postsecondary Teaching and Learning

Jennie Chu – Carleton College

Major: Geology
“Evidence for Heat-Treatment of Stone Tools: Magnetic Mineralogy of Heated Chert”
Mentor: Joshua Feinberg, Ph.D., Department of Earth Sciences

Lekie Dwanyen – University of Minnesota

Major: Family Social Science
“The Maternal Experiences of HIV-Positive Women”
Mentor: Shonda M. Craft, Ph.D., Department of Family Social Science

Naima Farah – University of Minnesota

Major: Family Social Science
“If I Get Them, How Will I Financially Support Them: Challenges for Kinship Caregivers”
Mentor: Priscilla Gibson, Ph.D., School of Social Work

Song Her – University of Minnesota

Major: Family Social Science
“Underrepresentation of Ethnic Minority Groups in Advance Counseling and Psychology”
Mentor: Samuel Myers, Ph.D., Humphrey School of Public Affairs

Alyssa Holmes – University of Minnesota, Crookston

Major: Equine/Animal Science
“Yield and Preference of Annual Grasses Under Horse Grazing”
Mentor: Krishona Martinson, Ph.D., Department of Animal Sciences

Kadir Hussein – University of Minnesota

Major: Chemistry
“Considering a Bacterial Model for Ecological Nanoparticle Toxicity”
Mentor: Christy Haynes, Ph.D., Department of Chemistry

Ivan Ishkov – University of Minnesota

Major: Electrical Engineering
“Time Dependence of the Magnetic After Effect in Co/Pd Multilayer Thin Films”
Mentor: Dan Dahlberg, Ph.D., School of Physics and Astronomy

Fanny Jimbo-Llapa – University of Minnesota

Major: BIS: Family Social Science/Child Psychology/Public Health
“¡Encuentro! Teen-Parent Pilot Study- Recruitment & Retention”
Mentor: Renee Sieving, Ph.D., School of Nursing

Yonatan Kebede – University of Minnesota

Major: Biochemistry
“Molecular Analysis of Centrosome in Mammalian Cells: Cep 15”
Mentor: Ryoko Kuriyama, Ph.D., Department of Genetics

Anna Ma – University of Minnesota

Major: Child Psychology
“Essential Fine Motor Skills of Clinical Laboratory Science Professionals”
Mentor: Peggy M. Martin, Ph.D., Occupational Therapy

Coriandre Moore – University of Minnesota

Major: Psychology
“Scandal: Checks, Constituents, and Consequences”
Mentor: Marti Hope Gonzales, Ph.D., Department of Psychology

Phitsavath Nantharath – University of Minnesota

Major: Business Marketing Education/Human Resource Development
“But He Loves Me: Teens’ Perspective on Unhealthy vs. Healthy Relationships”
Mentor: Sonya S. Brady, Ph.D., School of Public Health

Andrew Nauertz – University of St. Thomas

Major: Biology
“Antiviral Properties of Natural Extracts Against Feline Calici Virus, a Surrogate to Norovirus”
Mentor: Sagar M. Goyal, Ph.D., Department of Veterinary Population Medicine

Tho Nguyen – University of Minnesota

Major: Chemical Engineering/Chemistry/Mathematics
“Synthesis and Optimization of Isopropyl Xanthic Anhydride: Reactions of Potassium Isopropyl Xanthate with Ethyl Chloroformate”
Mentor: George Barany, Ph.D., Department of Chemistry

Nima Odowa – University of Minnesota

Major: Biology/Society and Environment
“Understanding the Role of Bone Morphogenic Proteins in MAPK Phosphatase-1 (MKP-1) Regulation During Osteoclastogenesis”
Mentor: Kim Mansky, Ph.D., Department of Developmental and Surgical Sciences

Russel Peterson – Carleton College

Major: History, Latin American Studies
“Weaponized Art: Shining Path and Their Influences on Independent Peruvian Theater”
Mentor: Luis A. Ramos-García, Ph.D., Spanish and Portuguese Studies

Keng Xiong – University of Minnesota

Major: Family Social Science
“Financial Strength and Challenges in Refugee Families”
Mentor: Catherine Solheim, Ph.D., Department of Family Social Science

Mai Yang – University of Minnesota

Major: Child Psychology
“Validity of the Peg Tapping Measure of Executive Function in Early Childhood for Hmong Children”
Mentor: Ann S. Masten, Ph.D., Institute of Child Development

University of Minnesota McNair Scholars 2012

Octavia Cheatom - University of Minnesota

Major: Kinesiology
Invisible Pioneers: Exploring the Experiences of African American Female Athletes - A Digital Story
Mentor: Jennifer A. Bhalla, Ph.D., School of Kinesiology

Christopher Crump - University of Minnesota

Major: Spanish & Portuguese Studies
"Race" in Portuguese: Representations of Race in Brazilian Literature
Mentor: Ana Paula Ferreira, Ph.D., Spanish & Portuguese Studies

Gabriel De Los Rios - University of Minnesota

Major: Neuroscience
Energy Disorder & Obesity: Saturated Fatty Acid Induced Hypothalamic Neurodegeneration
Mentor: Tammy Butterick, Ph.D., Food Science and Nutrition

Linli Fung - University of Minnesota

Major: Chemistry
New Strategies to Treat Prescription Opioid Abuse
Mentor: Marco Pravetoni, Ph.D., Dept. of Medicine

Pertesia Gadson - University of Minnesota, Rochester

Major: Health Sciences
Perceptions of Healthy Partner and Relationship Characteristics among Adolescents
Mentor: Dr. Sonya Brady, Ph.D., School of Public Health

Bezaleel Gebru - University of Minnesota

Major: Public Health and Environmental Sciences
Potential Exposure to PFCs in the Hmong Community in the East Metro
Mentor: Matt Simcik, Ph.D., Division of Environmental Health Sciences, School of Public Health

Teddy Gustafson - University of Minnesota

Major: Architecture
Social Sustainability: Linking Affordable Housing Design and Resident Health
Mentor: Billy Weber, Ph.D., School of Architecture

Tierra Howard - University of Minnesota

Major: Youth Studies
Youth Work as a Contested Terrain: Perspectives from Youth Workers in African American Communities - Pilot Study
Mentor: Ross Velure Roholt, Ph.D., Youth Studies

Jeweletter Johnson - Carleton College

Major: Psychology
Implicit Bias and the Cross-Race Effect
Mentor: Eugene Borgida, Ph.D., Psychology and Law

Biftu Khalif - University of Minnesota

Major: Sociology/Child Psychology
Coming of Age: A Look at 2nd Generation and US-Born Young Adults View of their Families
Mentor: Teresa Swartz, Ph.D., Sociology and Asian American Studies

Touhue Ly - University of Wisconsin, Stevens Point

Major: Psychology
Intergenerational Transmission of Hopelessness in Hmong American Families
Mentor: Zha Blong Xiong, Ph.D., Dept. of Family Social Science

Caprecia Matthias - University of Minnesota

Major: Family Social Science
Association of Parent Vagal Tone to Emotion Regulation During Military Reintegration: Possible Gender Differences
Mentor: Abi Gewirtz, Ph.D., Dept. of Family Social Science

Merone Melekin - University of Minnesota

Major: Political Science
The Deterrent Effect of Reverse Discrimination Litigation in Public Procurement and Contracting
Mentor: Samuel Myers, Ph.D., Roy Wilkins Center for Human Relations and Social Justice

Amy Neguse - University of Minnesota

Major: Family Social Science
Do Proximal Reasons for Homelessness Predict Observed Parenting in Shelters
Mentor: Ann S. Masten, Ph.D., Institute of Child Development

Gertude Ogega - University of Minnesota, Duluth

Major: Psychology
The Assessment of Ethical Behavior at Work
Mentor: John Campbell, Ph.D., Dept. of Psychology

Sigin Ojulu - University of Minnesota

Major: Global Studies/ Economics
Global Waste Trade; Informal Economic Practices of Southeast Asia
Mentor: Vinay Gidwani Ph.D., Dept. of Geography and the Institute of Global Studies

Kynasha Patterson - University of Minnesota

Major: Youth Studies
Culturally Relevant Pedagogy
Mentor: Katie Johnston-Goodstar, Ph.D., Youth Studies

Carlos Reyes - University of Minnesota

Major: Mentor: Business and Marketing Education
Competencies for Leaders in Education Versus other Industry Groups: Is Teresa Sullivan Right?
Louis N. Quast, Ph.D., Dept. of Organizational, Leadership, Policy, and Development

Bre Valle - University of Minnesota

Major: Family Social Science
Family Communications Project: Comparing Child Behavior Outcomes in Same-Sex ART Families and Heterosexual ART
Mentor: Martha Rueter, Ph.D., Dept. of Family Social Science

Xue Xiong - University of Minnesota

Major: Youth Studies
Experiences of Hmong Youth Workers: A Pilot Study to Understand Culturally Appropriate Practice
Mentor: Michael Baizerman, Ph.D., Youth Studies

**University of Minnesota McNair Scholars
2011**

Osman Ahmed - University of Minnesota

Major: Public Policy
The Experiences of Somali Meatpackers, the Case of Willmar, Minnesota
Mentor: Barbara Frey, J.D., Institute for Global Studies

Morgan Bobo - University of Minnesota

Major: Child Psychology
Association between Early Adversity and the Timing of the Transition to Parenthood
Mentor: W. Andrew Collins, Ph.D., Psychology

Tanya Bui - Carleton College

Major: Psychology
Gender Bias in Arbitration Decision-Making
Mentor: Eugene Borgida, Ph.D., Psychology

Cymone Fuller - University of Minnesota

Major: Sociology
Family Strain and the Desire to be 'Good Men' Among Former Juvenile Offenders
Mentor: Josh Page, Ph.D., Sociology

Nathaniel Gibbs - University of Minnesota

Major: Education Policy
Racial Disparities in Drowning
Mentor: Samuel Myers, Jr., Ph.D., Roy Wilkins Center of Human Relations and Social Justice

Aliya Jeylani - University of Minnesota

Major: Public Affairs
Beyond the First Year: The First Generation College Experience
Mentor: Rashné Jehangir, Ph.D. Postsecondary Teaching and Learning

Charissa Jones - University of Minnesota

Major: Sociology
Minnesota Exits and Entries Project: Spatial Analysis of Reentry
Mentor: Chris Uggen, Ph.D., Sociology

Jordan Langen - University of Minnesota

Major: Kinesiology
Body Composition and Weight Changes in a 15 Week Marathon Training Program
Mentor: Stacy Ingraham, Ph.D., Kinesiology

Kiarra McCain -University of Minnesota

Major: Youth Studies/Policy
Art and Social Justice Programs: Developing Young People
Mentor: Ross Velure Roholt, Ph.D., School of Social Work

Ngoc Nguyen - University of Minnesota

Major: Psychology
Go Back to Where You Came From:" Blatant Foreigner Discrimination
Mentor: Richard M. Lee, Ph.D., Psychology

Maira Rosas-Lee - University of Minnesota

Major: Public Health
¡Encuentro! A Healthy Youth Development Project: Perspectives of Local Latino Youth
Mentor: Renee Sieving, Ph.D., School of Nursing

Dorianne Shelton - University of Minnesota

Major: Communications
Edutainment: Can Reality Television Prevent Teenage Pregnancy
Mentor: Laurie Ouellette, Ph.D., Communication Studies

Amani Stumne - University of Minnesota

Major: Psychology
Distressing Event Nomination: Trauma in the Lives of College Students
Mentor: Patricia Frazier, Ph.D., Psychology

John Tarnowski - University of Minnesota

Major: Pharmacology
Mapping Nutrients Crucial to a Growing Population
Mentor: John Foley, Ph.D. , Institute on the Environment

Yodit Tesfaye - University of Minnesota

Major: Public Health
Policy Effectiveness in Addressing Girls' Inequality in Africa
Mentor: Elizabeth Boyle, Ph.D., Sociology

Jessica Thompson - University of Minnesota

Major: Public Policy/ Social Work
Media Arts: Sociopolitical Development of Urban Youth of Color
Mentor: Katie Johnston-Goodstar, Ph.D., School of Social Work

Donald Wilhite II - University of Minnesota

Major: History/ Global Studies
Global City Making in Cairo: Roots and Routes of a New Urban Politics
Mentor: Michael Goldman, Ph.D., Sociology

Alexis Yeboah - University of Minnesota

Major: Public Health/Psychology
Ethnic Identity: Narrative Differences of African Americans, Africans, and Mixed Emerging Adults
Mentor: Moin Syed, Ph.D., Psychology

Angela Ziemer - University of Minnesota

Major: Kinesiology
The Sport Experiences of African American Women Growing Up Pre-Title IX
Mentor: Jennifer Bhalla, Ph.D., Kinesiology

University of Minnesota McNair Scholars 2010

Cherese Alcorn – University of Minnesota

Major: Family Social Science
An Interactive Website to Reduce HIV/AIDS Risk Behavior
Among Adolescents
Mentor: Sonya Brady, Ph.D., Epidemiology

Courtney Bell – University of Minnesota

Major: Sociology
The Missing Link of Environmental Justice: When Deprivation
is Ignored
Mentor: David Pellow, Ph.D., Sociology

Angela Bianco – University of Minnesota

Major: Elementary Education Foundations
Evaluating Environmental Concepts in Student Drawing and
Understanding Systematic Experimentation Behavior Using
Technology
Mentor: Keisha Varma, Ph.D., Educational Psychology

Veronica Deenanath – University of Minnesota

Major: Family Social Science and Psychology
Hmong Pre-adolescents' Perceptions of Their Family
Environment: A Consensual Qualitative Analysis of Family
Photos
Mentor: Blong Xiong, Ph.D., Family Social Science

Nathaniel Gibbs – University of Minnesota

Major: Sociology
The Effects of Incarceration on Health
Mentor: Chris Uggen, Ph.D., Sociology

Lidiya Girma – University of Minnesota

Major: Sociology
Brooklyn Center and Brooklyn Park Foreign Born: Differing
Reception Based on Nationality
Mentor: Lisa Park, Ph.D., Sociology

Jessica (Verse) Holloway – University of Minnesota

Major: Sociology
Graduation: From Child Abuse to Serial Killers
Mentor: Carolyn Liebler, Ph.D., Sociology

Salma Hussein – University of Minnesota

Major: Inter-college program
Increasing Physical Activity in East African Adolescent Women
Mentor: Nicole LaVoi, Ph.D., Kinesiology/Tucker Center

Guled Ibrahim – University of Minnesota

Major: Journalism and Political Science
Minnesota's New Immigrants: A Content Analysis of The
Minneapolis Star Tribune's Coverage of The Minnesota Somali
Community
Mentor: Catherine Squires, Ph.D., School of Journalism and
Mass Communication

Hafizah Jaafar-Tribbett – University of Minnesota

Major: Theatre Arts
Body, Sound and the Embodiment of Fear: Indonesian
Immigrants in the United States
Mentor: R.Diyah Larasati, Ph.D., Theatre Arts and Dance

Janes (Beth) Jones – University of Minnesota

Major: Child Psychology, Family Social Science
Minnesota Health Care Coordination Study for Individuals
with Physical Disabilities
Mentor: Brian Abery, Ph.D., Educational Psychology

Sheilah McGrath – University of Minnesota

Major: Anthropology
Asthma Concerns: A Comparison of Somali Mothers and
Fathers with Affected Preschoolers
Mentor: Ann Garwick, Ph.D., School of Nursing

Lolla Mohammed Nur - University of Minnesota

Major: Political Science & Journalism
Corrupting Africa: International Organizations and the Making
of "the Problem" of Corruption in Africa"
Mentor: Raymond Duvall, Ph.D., Political Science

Elizabeth Ongeri – University of Minnesota

Major: Family Social Science
An Outcome Evaluation of the Effects of a Parent Education
Program for Lao Parents and Grandparents"
Mentor: Blong Xiong, Ph.D., Family Social Science

Sarah Osman – University of Minnesota

Major: Sociology
African American Children's Mental Health Issues: Are They
Being Properly Addressed?
Mentor: Sonya Brady, Ph.D., Epidemiology

Schevita Persaud – University of Minnesota

Major: Child Psychology, African American Studies
Gender Differences in the School Success of Young Homeless
Children
Mentor: Ann Masten, Ph.D., Institute of Child Development

Yuridia Ramirez – University of Minnesota

Major: History & Journalism
Sitios De Memoria: Guanajuato in the Shadow of the
Bicentenario and Centenario
Mentor: Patrick McNamara, Ph.D., History

Maria De Jesús Rios – University of Minnesota

Major: Family Social Science
Parent Communication and its Association to Positive Latino
Youth School Outcomes
Mentor: Michael Rodriguez, Ph.D., Educational Psychology

Maira Rosas-Lee – University of Minnesota

Major: Spanish and Chicano Studies
Encuentro: A Healthy Youth Development Project Formative
Research - Latino Parent Perspectives
Mentor: Renee Sieving, Ph.D., School of Nursing

Ker Thao – University of Minnesota

Major: Family Social Science
Parental School Choices in the Hmong Community
Mentor: Karen Cadigan, Ph.D., Center for Early Education &
Development

Bai Vue – University of Minnesota

Major: Work and Human Resource Education
Managerial Behaviors Associated with Managerial
Development
Mentor: Louis Quast, Ph.D., Organizational Leadership, Policy
and Development

University of Minnesota McNair Scholars 2009

Kelli Blankenship – University of Minnesota

Major: Kinesiology
Not All Sport Parents are “Out of Control”: The Happy Side of Youth Sports
Mentor: Nicole LaVoi, Ph.D., Kinesiology/Tucker Center

Michelle Bragg – Carleton College

Major: Psychology
Kinship Care in Times of Hurricanes: New Orleans Experience
Mentor: Priscilla Gibson, Ph.D., School of Social Work

Beatriz Carrillo – University of Minnesota

Major: Journalism
I Really Wish that I Could Relate Better: Evaluating Student Responses to In-Class Materials
Mentor: Catherine Squires, Ph.D., School of Journalism

Rose Chahla – Carleton College

Major: Psychology
Understanding Career Development in College Students
Mentor: Tabitha Grier-Reed, Ph.D., Postsecondary Teaching and Learning

John Chan – University of Minnesota

Major: Genetics, Cell Biology and Development
Ablation of Voltage-Operated Ca²⁺ Channel β -Subunits Reduces Praziquantel Efficacy in the Planarian *Dugesia japonica*
Mentor: Jonathan Marchant, Ph.D., Pharmacology

Robert Costilla – University of Minnesota, Duluth

Major: Political Science and History
On The Border of Mexico’s 1910 Centennial
Mentor: Patrick McNamara, Ph.D., History

Ciana Cullens – University of Minnesota, Morris

Major: Communication, Media, and Rhetoric
The Significance of the Black Power Movement: Learning from its Origins and Implications
Mentor: Keith Mayes, Ph.D., African American and African Studies

Edao Dawano – University of Minnesota

Major: Biology, Society and Environment
Ethiopia’s Political Economy and Contemporary Environmental Problems
Mentor: Abdi Samatar, Ph.D., Geography

Nicholas Ferlazzo – University of Minnesota

Major: American Indian Studies and American Studies
Male and Female Circumcision: A Global Analysis of the Medical Research
Mentor: Elizabeth Boyle, Ph.D., Sociology

Timotheus Gordon – University of Minnesota

Major: English and Creative Writing
State of African American Literature: Contemporary Authors and Publications
Mentor: Alexs Pate, Ph.D., African American Studies

Shanicia Goston – Fisk University

Major: Psychology and Sociology
Criminal Record Questions on Employment Applications
Mentor: Christopher Uggen, Ph.D., Sociology

Chaltu Hassan – University of Minnesota

Major: Family Social Science
Hidden Homelessness: Refugees and Unstable Housing in the Twin Cities
Mentor: Dave Hollister, Ph.D., School of Social Work

Sartu Hassan - University of Minnesota

Major: Family Social Science
Using Remittances to Adapt to Economic Crisis: The Case of Mexican Transnational Families
Mentor: Catherine Solheim, Ph.D., Family Social Science

Chantel Johnson – Carleton College

Major: History
Obtaining a Job with a Criminal Record: The Importance of Personal Contact
Mentor: Christopher Uggen, Ph.D., Sociology

Anthony Kiekow – University of Minnesota

Major: Journalism
U.S. Civil Rights and African Freedom: An Intertwined Struggle of Brothers from the Past
Mentor: Keith Mayes, Ph.D., African American Studies

Sarah Lechowich – University of Minnesota

Major: Communication Studies
The Connection Between Attachment Styles and Family Communication Patterns
Mentor: Susanne Jones, Ph.D., Communication Studies

Stefanie Lightner – University of Minnesota

Major: Sociology, Law, Crime and Deviance
The Effects of Educational Attainment on Job Satisfaction
Mentor: Eric Grodsky, Ph.D., Sociology

Michele Luhm Vigor – University of Minnesota

Major: Biology and Medicine
Tick-Mammal Interface of Human Granulocytic Anaplasmosis
Mentor: Ulrike Munderloh, Ph.D., Entomology

Fatuma Omer – University of Minnesota

Major: Psychology
The Meaning of Interventions to End Female Genital Cutting
Mentor: Elizabeth Boyle, Ph.D., Sociology

Melanie Plucinski – University of Minnesota

Major: Political Science, Spanish, and Social Justice
Mental Health Disparities Among Adolescents in the Juvenile Justice System
Mentor: Sonya Brady, Ph.D., Epidemiology

Cassey Quach – University of Minnesota

Major: Family Social Science
Sibling Interaction and Behavior Study
Mentor: Martha Reuter, Ph.D., Family Social Science

Laura Roderick – University of Minnesota

Major: Child Psychology
Peer Competence as a Predictive Factor to the Sociodemographic Risks for Homeless Children
Mentor: Ann S. Masten, Ph.D., Institute of Child Development

University of Minnesota McNair Scholars 2008

Desiree Abu-Odeh

Major: Biochemistry/ Neuroscience
Expression of the MBP Gene in virally Infected E16 Mice
Mentor: Ken Barlett, Ph.D., Work and Human Resources

Devon Arkadie - University of Minnesota

Major: English/ African American Studies
Building Theory, Interrogating Knowledge: An Analysis of Intersectionality
Mentor: Rose Brewer, Ph.D., African American Studies

Kenneth Coleman - Carleton College

Major: Psychology and African American Studies
Masculinities in Transition: The Effects of Masculinity on the Transition from a Corrections Facility
Mentor: Josh Page, Ph.D., Sociology

Ernest Comer - Carleton College

Major: Communication Studies
White Ball/ Black Hope: Race and Sports
Mentor: Gil Rodman, Ph.D., Communications

Monica Diaz - Carleton College

Major: Sociology/ Anthropology
Measurement of Discrimination in Self-Employment Among Immigrant vs. Non-immigrants in NJT from 1999-2000
Mentor: Samuel Myers, Ph.D., Humphrey Institute of Public Affairs

Catherine Gardner - Carleton College

Major: Sociology/ Anthropology & Political Science
Work, Family, and Social Support: Examining the Role of Church-based Support
Mentors: Penny Edgell & Eric Tranby, Sociology

Jill Haom - University of Minnesota

Major: Kinesiology/ Exercise Science
Unequal Opportunities, Unequal Outcomes: Reducing Physical Inactivity in Populations of Ethnic Minority Girl
Mentor: Nicole LaVoi, Ph.D., Kinesiology/Tucker Center

Shawn James - University of Minnesota

Major: Sociology
The Minnesota Juvenile Justice Transitions Project
Mentor: Josh Page, Ph.D., Sociology

Terrence Jordan - University of Minnesota

Major: Kinesiology/ African American Studies
Race Represents of Women's and Men's intercollegiate Basketball Media Coverage on ESPN.com
Mentor: Nicole LaVoi, Ph.D., Kinesiology/Tucker Center

Katumu Kamara - University of Minnesota

Major: Global Studies/ Social Justice
Effects of Foreclosure on Immigrants in Minneapolis
Mentor: Ryan Allen, Ph.D., Humphrey Institute of Public Affairs

Ayianna Kennerly - University of Minnesota

Major: African American Studies/ Sociology
Youth Speak: Perspectives on Race, Gender, and the 2008 Presidential Primaries
Mentor: Enid Logan, Ph.D., Sociology

Ona Knoxsah - University of Minnesota

Major: American Indian Studies
Structure of Ojibwe Personal Names 1830-1920
Mentor: John Nichols, Ph.D., American Indian Studies

Fatuma Mohamed - University of Minnesota

Major: Biochemistry
Crystal Structure of Cytochrome C
Mentor: Carrie Wilmot, Ph.D., Biochemistry, Molecular Biology/ Biophysics

Jessica Molina - University of Miami

Major: Criminology
MEEP-Minnesota Exits and Entries Project
Mentor: Chris Uggen, Ph.D., Sociology

Sophak Mom - Metro State University

Major: Social Sciences
Exploring Official Views in Religious Teachings
Mentor: Penny Edgell, Ph.D., Sociology

Shadé Osifuye - University of Minnesota

Major: Individualized – African American Studies/Life Sciences
Research on Sickle Cell Anemia
Mentor: Robert P. Hebbel, Ph.D., Medicine

Judith Pete - University of Minnesota

Major: Economics/ Women's Studies
Learning Communities as Vehicles for Self- Authorship for the First-Generation Students
Mentor: Rashné Jehangir, Ph.D., Postsecondary Teaching & Learning

Christine Rangen - University of Minnesota

Major: Nursing
Latino Adolescents' Perceptions of Mental Health Resources: Uncovering Potential and Actual Barriers to Care
Mentor: Carolyn Garcia, Ph.D., Nursing

Chenea Sparks - University of Minnesota

Major: Individualized – Family Studies/ Psychology
Voice of African American Family- In Children's Mental Health
Mentor: Abigail Gewirtz, Ph.D., Family Social Science

University of Minnesota McNair Scholars 2007

Renee Barron - University of Minnesota

Illuminating Nat Turner
Mentor: Alexis Pate, African and African American Studies

Gada Beshir - University of Minnesota

Emerging Human Rights Crises in the Horn of Africa: A Case Study of Ethiopia and Somalia
Mentor: Barbara A. Frey, Ph.D., Global Studies and Law

Ifrah M. Biyoow - Carleton College

The Case of Somali Muslim Entrepreneurs in Minneapolis
Mentor: Elizabeth Boyle, Ph.D., Sociology

Brittany N. Clausel - University of Minnesota

English Language Learners: Investigation of the Effect of Mobility on Academic

Azeta Garthune - University of Minnesota

Woman's Human Rights in Argentina and Guatemala:
Comparing Responses to Military Violence in the Context of Gender
Mentor: Ana Forcinto, Ph.D., Spanish and Portuguese

Nicolina Hernandez - University of Minnesota

Labor Union Advocacy for Immigration Reform: Case Studies of SEIU Local 26 and UFCW Local 789
Mentor: Katherine Fennelly, Ph.D., Hubert H. Humphrey Institute of Public Affairs

Jon Jacobs - University of Minnesota

Greeting Concordia College: Developing an Environmental Baseline
Mentor: Virijita Singh, M. Arch, Center for Sustainable Building, College of Design

Pao Lor - St. Olaf College

Engineering Escherichia Coli to Express Photosynthetic Reaction Center Proteins from Rhodobacter Sphaeroides
Mentor: Claudia Schmidt-Dannert, Ph.D., Biochemistry, Molecular Biology, and Biophysics

Blanca Martínez-Gavina - St. Olaf College

Labor Union Advocacy for Immigration Reform: Case Studies of SEIU Local 26 and UFCW Local 789
Mentor: Katherine Fennelly, Ph.D., Hubert H. Humphrey Institute of Public Affairs

Jessica Molina - University of Miami

MEEP—Military Minnesota Exits and Entries Project
Mentor: Christopher Uggen, Ph.D., Sociology

Miracle Obeta - University of Minnesota, Morris

New Jersey Department of Transportation Disadvantaged Business Enterprise and Emerging Disadvantaged Business Enterprise Programs
Mentor: Samuel L. Myers, Jr., Ph.D., Roy Wilkins Center

Claudio Perez - University of Miami

Analysis of the Philosophy of Drug Policy
Mentor: Christopher Uggen, Ph.D., Sociology

Diana Pérez - Ripon College

English Language Learners and Specific Language Impairment: Social Development
Mentor: Lesley Craig-Unkefer, Ph.D., Educational Psychology

Amber Riley - Carleton College

Promoting Success of African American College Students: The African American Student Network
Mentor: Tabitha Grier, Ph.D., Postsecondary Teaching and Learning

David Rodriguez - University of Minnesota

Manoomin (Wild Rice) and Commercial Wild Rice (Paddy): A Comparison Between Worldviews of Health
Mentor: Craig Hassel, Ph.D., Nutritional Science

Ellen Roth - St. Olaf College

Financial Management in Hmong Immigrant families: A Case Study
Mentor: Catherine Solheim, Ph.D., Family Social Science

Eric Stone - University of Minnesota

Subject Perception of Thermal Status and Comfort in Variations of the NASA Phase VI Glove
Mentors: Gloria Leon, Ph.D., Psychology and Victor Koscheyev, Ph.D., Biology and Biophysics

Ying Thao - St. Olaf College

Isolation of Novel Wax Ester Synthases From Marine Sediments
Mentor: Claudia Schmidt-Dannert, Ph.D., Biochemistry, Molecular Biology, and Biophysics

Hussein Waliye - University of Minnesota

FLT3-Department Activation of RAS-Pathway
Mentor: Michael Farrar, Ph.D., Lab Medicine and Pathology

Chao Yang - University of Minnesota

Minnesota Indian Casinos: The Portrayal of Native Americans on Casino Marketing Materials
Mentor: Ken Barlett, Ph.D., Work and Human Resources

**University of Minnesota McNair Scholars
2006**

Anna Alba Hernandez

Investigating Out of School Time Experiences of Latino Youth in Minnesota
Mentor: Michael C. Rodriguez, Ph.D.

Yolanda M. Archibald

Investigation of the Uncoupling of Skeletal Muscle Force and Atpase Activity by Thymol
Mentor: Vincent A. Barnett, Ph.D.

Naima Bashir

Parent-School Partnerships: A Study of Somali Immigrants in Minnesota
Mentor: Catherine Solheim, Ph.D.

Thuy Doan

High School Athletes: An Examination of the Impact of No Pass/No Play Policies
Mentor: Jennifer Oliphant, MPH

Keith Fox

Does Virtue Benefit the Virtuous?
Mentor: Michelle Mason, Ph.D.

Hodges Glenn

Poetry of Rap
Mentor: Alexs Pate, Ph.D.

Sylvia Gonzolez-Castro

Indigenous Social Movement? The Struggle for Democracy in Latin America
Mentor: M. Bianet Castellanos, Ph.D.

Aaron Lane

Search for New Core Treatment Analog for Overall Thermal Status of Astronauts Using a Liquid Cooling/Warm Garment
Mentors: Gloria Leon, Ph.D. and Victor Koscheyev, Ph.D.

Dung Mao

Parents' and Adolescents' Perceptions of Delinquency in Hmong families
Mentor: Zha Biong Xiong, Ph.D.

Sophia I. McComb

Unlicensed Child Care Providers and Promoting Early Literacy with English Language Learner Children
Mentor: Lesley Craig-Unkefer, Ph.D.

Lily Moua

Parents' and Adolescents' Perceptions of Delinquency in Hmong families
Mentor: Zha Biong Xiong, Ph.D.

Martha Ockenfels-Martinez

Creating a Guide to Successful Diversity Coalitions
Mentor: Katherine Fennelly, Ph.D.

Amy Ojibway

From Enemies to Pan-Indian Allies: Dakotas and Ojibwes in the Writings of Charles Eastman
Mentor: David Martinez, Ph.D.

Samson O. Osholowu

Studies of Yeast Mitochondrial Precursor-IDH
Mentor: Leonard Banazak, Ph.D.

Jesse Ping

Heat Extraction to Support Comfort and Enhance Performance: Cooling the Head/Hand and Thigh Regions
Mentors: Gloria Leon, Ph.D. and Victor Koscheyev, Ph.D.

April Rog

The Influence of Fire in the Development of the Big Woods of Minnesota
Mentor: Bryan Shuman, Ph.D.

Shannon Ryan

The Role of Social-Psychological Variables in the Overreporting of Voting Behavior
Mentor: Dr. Christopher Uggen

Monee Sconyers

Capturing Diversity: Understanding Kinship Care among African American and Native American Grandparents
Mentor: Priscilla Gibson, LICSW

Arien H. Telles

Changes in High School Experiences and College Expectations of New Chicana/o Latina/o Freshman
Mentor: Darwin D. Hendel, Ph.D.

Lydie Theodor

School Readiness for Children in North Minneapolis
Mentor: Lesley Craig-Unkefer, Ph.D.

Hoang Ton

Fiscal Disparity in the Twin Cities Metropolitan Region
Mentor: Thomas Luce, Ph.D.

**University of Minnesota McNair Scholars
2005**

Veronica Avila

Structural Adjustment Policies in Tanzania and Peru: The Effects of Currency Devaluation, Privatization and Export Trade on Labor
Mentor: Elizabeth H. Boyle, Ph.D.

Carly Beane

Reclaiming Bdote: An Indigenous View of the Fort Snelling Historic Site
Reclaiming Bdote: Establishing an Indigenous Language Center at Fort Snelling
Mentor: Brenda Child, Ph.D.

Katherine Beane

Reclaiming Bdote: An Indigenous View of the Fort Snelling Historic Site
Reclaiming Bdote: Establishing an Indigenous Language Center at Fort Snelling
Mentor: Brenda Child, Ph.D.

Angela Becker

Fermentation of Resident Starch by Colonic Bacteria
Mentor: Joanne Slavin, Ph.D.

Jennifer N. Bynes

The Determinants of Racial Disparities in Child Physical Abuse
Mentor: Samuel L. Myers, Jr., Ph.D.

Christopher Courneen

What's the Big Folkin' Deal: Folk Ethos, Popular Consumption and Rap
Mentor: Corliss W. Outley, Ph.D.

Corey Alexander Croft

African American Community Displacement: The Effects of the Initial Construction of I-94 and I-35W in the Twin Cities
Mentor: Keith Mayes, Ph.D.

Alondra Kiawaitl Espejel

Decolonizing Knowledges: Articulating the Languages of Liberation
Mentor: Richa Nagar, Ph.D.

Midhasso Foge

Television and American Youth: Exosure to Unhealthy Risks
Mentor: Corliss W. Outley, Ph.D.

Jessica Gonzalez

Registration, Voting and Recidivism among Minnesota Prisoners
Mentor: Christopher Uggen, Ph.D.

Naomi Kraemer

Bacterial and Enzymatic Approaches to Chromate Reduction
Mentor: Larry Wackett, Ph.D.

Stacy Lawrence

Artistic Awakening in the Caribbean: Expressions of Colonial Resistance and National Pride from 1930-1950
Mentor: April A. Knutson, Ph.D.

Pa Houa Lee

Comparison of Dietary Consumption Behavior between Hmong and Caucasian Youth
Mentor: Samuel L. Myers, Ph.D.

LaCresha Payne

The Effect of Large Welfare Caseloads on Racial Disparities in Reported Child Neglect
Mentor: Samuel L. Myers, Ph.D.

Leonard A. Roy

A Tale of Two Cities: An Exploration of Community in the Twin Cities and Seattle
Mentor: Wendy Rahn, Ph.D.

Nathan Schaefer

The Cost of Herd Closure to Eliminate Porcine Reproductive and Respiratory Syndrome Virus
Mentor: Robert Morrison, Ph.D.

Annette Schliepp

The Body as Nation-State, the Nation-State as Body: Toward Cultural Understanding of Avian Influenza
Mentor: Karen-Sue Taussig, Ph.D.

Brandon Schomberg

Dance Dance Revolution: A Novel Intervention Optimizing Cardiovascular and Bone Health in Children
Mentor: Moira A. Petit, Ph.D.

Alicia Steele

Black Migration in Hennepin County: A Historical Look at Black Settlement into Brooklyn Park, Minnesota
Mentor: Keith Mayes, Ph.D.

Abdisa Taddese

The Influence of Media on Childhood Obesity: A Content Analysis of Children's Television Programming
Mentor: Corliss W. Outley, Ph.D.

Jonathan Tischler

Middle School Learning: An Analysis of Financial Resources of Twin Cities Community-Based Initiatives
Mentor: Samuel L. Myers, Jr., Ph.D.

**University of Minnesota McNair Scholars
2004**

Alfonso Correa

Zapotec Workers: A History of Indigenous Labor Relations in Oaxaca, Mexico, 1876-1940
Mentor: Patrick J. McNamara, Ph.D.

Anny Dang

Determinants of Racial Disparities in Public Procurement and Contracting: The Case of the New Jersey Transit
Mentor: Samuel L. Myers, Jr., Ph.D.

Rashida K. Fisher

Empowering Youth Engaged in Self-Photography E.Y.E.S. PROJECT
Mentor: Corliss W. Outley, Ph.D.

Yasin Garad

Comparing Beliefs about AIDS across U.S.-Born Versus Somali-Born Individuals
Mentor: Elizabeth Boyle, Ph.D.

Wendy Gonzalez

Validity of Latino Youth Development Program Evaluation
Mentor: Michael C. Rodriguez, Ph.D.

Marcella Hartman

Modeling Paleoclimatic Levels of Radiocarbon
Mentor: R. Lawrence Edwards, Ph.D.

Keme Hawkins

Prescribed Gender Identities in Hip-Hop Music
Mentors: Oliver J. Williams, Ph.D. & Dawn York, Ph.D.

Leonard Matthias

The Influences of Hip-Hop Culture on Urban Youth
Mentor: Corliss W. Outley, Ph.D.

Tamara Moore

Addressing Domestic Violence in the African American Community
Mentors: Oliver J. Williams, Ph.D. & Dawn York, Ph.D.

Pamela Parmell

Inmates and Outcasts: Incarceration and Deportation in Historical Perspective
Mentor: Christopher Uggen, Ph.D.

Yecenia E. Parrilla

Employers' Perspectives on High School Exit Examinations
Mentor: John Robert Warren, Ph.D.

Victoria Pederson

The Representation of American Indians in the Health Care Occupation
Mentor: Samuel L. Myers, Jr., Ph.D.

Nelupa "Sulani" Perera

Evaluation of Physiologically Designed Gloves for Better Protection of Astronauts during Spacewalks
Mentors: Victor Koscheyev, Ph.D., Gloria Leon, Ph.D. & Aitor Coca

Jenny Reese

Portrayal of Women in Popular Magazine Advertising: 1974-2004
Mentor: Ann Meier, Ph.D.

John Reynolds

Current Issues in the Rise of Banishments in Indian Country
Mentor: David E. Wilkins, Ph.D.

Andrew G. Tehmeh

The Changing Face of Racism: An Analytical Review of the Different Conceptualizations of Racism from 1851-2003
Mentor: Samuel L. Myers, Ph.D.

Megan Thompson

A Search for the Deep Mantle Discontinuities beneath the Southwest Pacific
Mentor: Justin Revenaugh, Ph.D.

Kong Vang

The Hmong Educational Experience: An Analysis of the Barriers and Struggles Hmong Students Face in Schools
Mentor: Samuel L. Myers, Jr., Ph.D.

Mang Vang

Sibling Delinquency: Differences between Delinquent and Non-Delinquent Siblings
Mentor: Zha Blong Xiong, Ph.D.

Xia Xiong

An Evaluation of Negative Influences and Parenting Styles and Their Long-Term Effects with Asian Populations
Mentor: Lesley Craig-Unkefer, Ph.D.

Xo Vang

Frequency and Effects of Varying Soil Depths over the Roots of Honeylocust Gleditsia Triacanthos
Mentor: Gary Johnson, Ph.D.

**University of Minnesota McNair Scholars
2003**

Fazia Aziz

Alcohol Control Policies at Community Festivals
Mentor: Tracy L. Toomey, Ph.D.

Beth Baeirl

Monitoring Thermal Comfort of Astronauts During Space
Walks: Relationship of Finger Temperature, and Heat Flux/
Garment Heat Flux, and Perceived Comfort
Mentors: Victor Koscheyev, Ph.D. & Gloria Leon, Ph.D.

Wayne "Joe" Bendickson

Akpagan Sharing Dakota Language
Mentors: Tim Dunnigan, Ph.D. & Neil McKay

Shawntel Carter

The Effects of Race and Menthol on Tobacco Smoke Exposure
Mentors: Dorthy Hatsukami, Ph.D. & Jesse Mason Jr.

Jaime Chose

School Culture and Quality Management: What Teachers Say
Mentor: Karen Seashore, Ph.D.

Lauretta Dawolo

Representing Ourselves? Perceptions of Audience in African
American Print Media
Mentors: Colette Gaiter, Ph.D. & Brian Southwell, Ph.D.

Teneka Graves

Evaluating the Effectiveness of Early Childhood Education
Programs in Minneapolis
Mentor: Michael Rodriguez, Ph.D.

Gabriel Guerrero

Examining a Relationship: Universal Themes, Contemporary
Art, and Personal Identity
Mentor: Margaret K. DiBlasio, Ph.D.

Charles Helm

The Relation of Local Government Recreation and Park
Services to the Health of Older Adults
Mentor: Corliss Wilson Outley, Ph.D.

Melissa Hinderscheit

Beyond the Hype and Rhetoric: Assessing Parent Satisfaction
at an Inner City Charter School
Mentor: Joseph Nathan, Ph.D.

I. Naomi Jones

Visitation Centers and Cultural Competence
Mentor: Oliver J. Williams, Ph.D.

Justine Jones

Disparities Associated with Reintegrating Chemically Depen-
dent Prisoners With HIV--AIDS ****: A National Epidemic
Mentor: Christopher Uggen, Ph.D.

Miguel Leon

Dynamap: Interface Design for Natural Human Computer
Interaction
Mentor: Caroline Hayes, Ph.D.

Renee Morrison

Meanings of Multiculturalism in American Scholastic Litera-
ture, 1935-1991 and Beyond
Mentor: Douglas Hartmann, Ph.D.

Christopher Pham

Determinants of Delinquency: Hmong Youth Offenders' Percep-
tions of Their Delinquent Experiences and Relationships With
Their Parents
Mentor: Zha Blong Xiong, Ph.D.

Anthony Rogers

Race and its Role in Child Maltreatment Reporting by Law En-
forcement Agencies
Mentor: Samuel L. Myers, Jr., Ph.D.

Linda Solis

Assessing Performance of Sustainable Design Features Through
Post Occupancy Evaluation of the Dakota County Northern
Service Center
Mentor: Virajita Singh, Ph.D.

Sarah Stellern

Effortful Control, Early Experience, and Gender: Indications From
a Delay of Gratification Task and Parent Report
Mentor: Megan R. Gunnar, Ph.D.

Angelica Torralba

Creating an Anti-Racist Community: A Portfolio of Approaches to
Combat Racism
Mentor: Samuel L. Myers, Jr., Ph.D.

Wayne Wells

Preserving and Translating Dakota Elder Voices: Analyzing Pow-
wow
Mentors: Tim Dunnigan, Ph.D. & Neill McKay

Marc Winger

Project 540: Civil Engagement and Attitudes of Deliberation and
Discussion Among African American and White Students
Mentor: Eugene Borgida, Ph.D.

William Wischstadt

The Judeo-Christian Concept in Contemporary American Culture:
Politics, Values and Social Inclusion
Mentor: Douglas Hartmann, Ph.D.

**University of Minnesota McNair Scholars
2002**

Ayme Almdarez

Transforming School Counseling: The Importance, Strategies, and Difficulties of Recruiting Students of Color
Mentor: Dr. Heidi Lasley Barajas

Jay Thomas BadHeartBull

Analysis of Funding Allowances: How They Affect Two Health Indicators in the Indian Health Service
Mentor: Dr. Samuel L. Myers, Jr.

Shauna Coons

Limitations of the Indian Child Welfare Act (ICWA): The Intersection between Children's ICWA Status and the Racial Profile of Out-of-Home Care Providers
Mentor: Dr. Samuel L. Myers, Jr.

Tiffany Enriquez

Latinas and Latinos in Minnesota Electoral Politics: 1996
Mentors: Dr. Samuel L. Myers, Jr.,
Ms. Sharon Sayles-Belton

Linda Her

White and Green Hmong Female "Traditional" Dress: A Comparison and Analysis
Mentor: Dr. Joanne B. Eicher

Glenn Hernandez

Nailing it Down: Art Learning in the Trenches
Mentor: Dr. Margaret DiBlasio

Phala Hoeun

Changes in Post-Traumatic Symptoms and Social Support Among Sierra Leonean Refugees Receiving Group Therapy
Mentors: Dr. Jon J. Hubbard, Ms. Kristen Boelcke

Cheryl Jeffries

African American Women and Men Underrepresented in Public Office
Mentor: Dr. Samuel L. Myers, Jr.

Tria Lor

Studies Toward Solid-Phase Synthesis of 1-Acyl-3-Oxopiperazine Library Using Backbone Amide Linker (BAL) Anchoring
Mentors: Dr. George Barany, Dr. Simon K. Shannon

Carolinne Luna

Comparison of Advanced Physiological Designed and Standard Cooling/Warming Garments for Extravehicular Activities
Mentors: Dr. Victor Koscheyev, Dr. Gloria R. Leon, Mr. Aitor Coca

Rupel Marshall, Jr.

Synthesis of 2,4-dibromo-6-chlorobenzonitrile via the Sandmeyer Reaction
Mentor: Dr. Wayland E. Noland

Cornelius Matthias

Blood Pressure Dynamics in Altered Temperatures of Liquid Cooling/Warming Garment in Simulated Microgravity Conditions
Mentors: Dr. Victor Koscheyev, Dr. Gloria R. Leon, Mr. Aitor Coca

Veronica Mendez

Political Participation Among Latino and East African Immigrants in the Twin Cities: Comparing Involvement by Gender and Ethnicity
Mentor: Dr. Elizabeth Boyle

Elizabeth Refugia Meza

Civics Education in the Next Generation
Mentor: Dr. John Sullivan

Khanh Van Ngo

Synthesis of o-Nitrosobenzaldehyde
Mentor: Dr. Wayland E. Noland

Yvonne Ortiz

American Indian Legislators: Negotiating a Balance Between Tribal Sovereignty and State Government
Mentor: Dr. David Wilkins

Brandy Pickens

Understanding Attitudes Toward Tobacco Harm Reduction: An Individual Differences Approach
Mentor: Dr. Eugene Borgida

Ebony Ruhland

Self-Efficacy and Discrimination Experiences
Mentor: Dr. Christopher Uggen

Sarah Stellern

Estimating Distance and Direction in an Indoor Setting: The Effects of Response Mode and Building Familiarity
Mentor: Dr. Gordon Legge

Hoang M. Tran

Effect of Ethanol on Hippocampal Memory in Rodents
Mentors: Dr. Jonathan C. Gewirtz, Ms. Georgia Brider

Vang Xiong

Domestic Violence in the Asian American Community
Mentor: Dr. Abigail Gewirtz

Kao Yang

One (Multicultural) Nation Under God? Changing Meanings and Uses of the Term "Judeo-Christian"
Mentor: Dr. Douglas Hartmann

**University of Minnesota McNair Scholars
2001**

Shea Anderson

The Enzymatic Evaluation of the Papulacandin
Pharmacophore as a Glycosidase Inhibitor
Mentor: Dr. George A. O'Doherty

Adam BadWound

Factors Promoting Parental Involvement in an Urban Native
American Middle School
Mentor: Dr. Sherri Turner

Ola Betiku

In Situ Diels-Alder Reactions of Maleimides with
Cyclic Ketones and Nitrogen Heterocycles to Give
Tetrahydrocarbazoles
Mentor: Dr. Wayland E. Noland

Evelyn Davies-Venn

Subjective Duration of Broadband Noise Impulses at Different
Intensity Levels
Mentor: Dr. Robert Schlauch

Christopher C. Dixon

The Bad News About Freddie Mac
Mentor: Dr. Samuel L. Myers, Jr.

Tiffany Enriquez, Minerva Munoz

The Intersection of Race and Welfare in Child Maltreatment
Cases
Mentor: Dr. Samuel L. Meyers, Jr.

W. Pearl Evans

Economic Inequality Black Men and Black Families
Mentor: Dr. Rose M. Brewer

Aspen Fitzgerald-Dorsey

Racial Incidents from 1920-1950
Mentor: Dr. David Ghere

Marci Hawpetoss

American Indian Perspectives on the Recent Arrival of East
African Immigrants
Mentor: Dr. Elizabeth Boyle

Jeremy Hoehn

Evaluation of Astronaut Comfort in the Cooling/Warming
Garment and Correlation Between Kcal
and Thermal Indices
Mentors: Dr. Victor Koscheyev and Dr. Gloria Leon

Michelle Lopez

Common Unity and the Immediate Government: Convicted
Felons Talk About Community, Politics,
and Trust
Mentor: Dr. Christopher Uggen

Elizabeth Meza

Civic Education in the Next Generation
Mentor: Dr. John Sullivan

Minerva Munoz

The Intersection of Race and Welfare in Child Maltreatment
Cases
Mentor: Dr. Samuel L. Meyers, Jr.

Lucie Passus

Social Movement Theories and Protests in
Sub-Saharan Africa
Mentor: Dr. Evan Schofer

Ray Rindahl

The Greening of CALA - An Environmental Audit
Mentor: Dr. Virajita Singh

Ebony Ruhland

Why is Parole So Black?
Mentor: Dr. Samuel L. Myers, Jr.

Heidi Kiiwetinepinesik Stark

American Indians in State Legislatures: Negotiating the
Balance Between Tribal Sovereignty and
State Jurisdiction
Mentor: Dr. David Wilkins

Kekek Jason Stark

Urban Indian Educational Programs: Their Components for
Success
Mentor: Dr. Sherri Turner

Emanda Thomas

Parent Satisfaction and Student Academic Achievement in
School and on the Minnesota Basic Standards Test
Mentor: Dr. Samuel L. Myers, Jr.

Johnetta Tipton

CitySongs: A Process of Building Strength in
Urban Youth
Mentor: Dr. Helen Kivnick

Michelle Ugalde

Congenital Hypothyroidism: An Investigation of Neonatal Foals
Mentors: Dr. David Hayden and Dr. Julia Wilson

Nick Wallace

Determinants of State Signatory Ratification of the
International Convention on the Elimination of
Racial Discrimination
Mentor: Dr. Samuel L. Myers, Jr.

Danushka Wanduragala

Brain Activity as an Indicator of Vulnerability
for Schizophrenia
Mentor: Dr. Scott Sponheim

**University of Minnesota McNair Scholars
2000**

Graciela Avina

City Songs: An Evaluation of Youth Development Through Music

Mentor: Dr. Helen Kivnick

Judy A. Brown

A Comparative Study of Students' Understanding of Application Versus Rule-Based Mathematics

Mentor: Dr. Terry Wyberg

Jill Doerfler

The Response of Rural Minnesota Communities To New Technologies

Mentor: Dr. John Sullivan and Dr. Eugene Borgida

Almaz "Mimi" Getachew

Understanding Child Abuse and African Americans

Mentor: Dr. Oliver Williams

Marci Hawpetoss

Racialization in the Law

Mentor: Wendy Leo Moore, J.D.

Venora Hung

The Digital Divide: Electronic Redlining in Low-Income Communities

Mentor: Joan Howland J.D.

Danvier Johnson

A Preliminary Study of Somali Refugee Women and Their Dress

Mentor: Dr. JoAnn B. Eicher and Dr. Catherine Daly

Keia Johnson

Effects of Self-Respect and Self-Esteem on Sexual Harassment Experiences in High School

Mentor: Dr. Christopher Uggen

Leslie Johnson

Physiological Approaches for Evaluating Astronaut's Thermal Status

Mentor: Dr. Victor Koscheyev, Dr. Gloria Leon and Mic Dancisak

Lauren Lucia

Making Minnesota Home: Perspectives on Problems of African Immigrants in the Twin Cities

Mentor: Dr. Elizabeth Heger Boyle

Kassandra Matthias

Constructs of Multiculturalism in Developmental Education

Mentor: Dr. Patrick Bruch

Toyia Mills

The Structure of Porous Medium and its Effect on Heat Transfer and Fluid Flow

Mentor: Dr. Frank Kulacki

Ojullu Anwey Obang

Anti-Racism in Minnesota

Mentor: Dr. Samuel L. Myers, Jr.

Anthony L. Peña

Psychophysiological Responsivity Within a Non-Uniform Thermally Simulated EVA Experience

Mentor: Dr. Victor Koscheyev and Dr. Gloria Leon

Jennifer Redlin

1998 Minnesota Basic Standards Test: Analysis of Scores for Urban Students of Color

Mentor: Dr. Samuel L. Myers, Jr.

Raymond Rindahl

County Road 81, Reconnecting communities

Mentor: Dr. William Morrish

Suman K. Roy

Anti-Racism in Minnesota

Mentor: Dr. Samuel L. Myers, Jr.

Carly Skold

State Supreme Court Initiative Addressing Racial Bias and Disparity in the Criminal Justice System

Mentor: John Powell J.D.

Heidi Stark

Ojibwe Language Revitalization; Approaches to Bringing Language Back to our People

Mentor: Dr. Dennis Jones

Mai Vang

The in situ Vinylindole Synthese of Tetrahydrocar-bazoles with Indoles or pyrrole, Various Ketones, and N-(p-Methoxyphenyl) maleimide

Mentor: Dr. Wayland Noland

Stephanie Wadley

Project Life: Welfare to Work Job Readiness Program

Mentor: Dr. Priscilla Gibson

Jennifer Walker

1998 Minnesota Basic Standards Test: Analysis of Scores for Urban Students of Color

Mentor: Dr. Samuel L. Myers, Jr.

Danushka Wanduragala

Automotive HUDS: Design Effects on Lane-Keeping and Collision Avoidance

Mentor: Dr. Kathleen Harder

Alicia Winsor

Integrating the Arts: A Vehicle of Changing Teacher Practice

Mentor: Dr. Carol Freeman

**University of Minnesota McNair Scholars
1999**

Solita Carryl

Light Simulation in Architecture
Mentor: Dr. Andrzej Piotrowski

La'Crystal Cooke

Killing Us Softly: Negative Imagery of African-American
Women in Hip-Hop Music
Mentor: Dr. Cherri Muhanji

Randon Gardley

Using Basketball as a Tool for Crime Prevention: Evaluating the
'Stay Alive' Program
Mentor: Dr. Douglas Hartmann

Katrina Hammonds

Our Foster Children Left in the Dark: Mental, Developmental,
and Emotional Health Problems
Mentor: Dr. Teresa Swartz

Gabriel Munguia Hernandez

Gays, Hombres and Rules of Manhood: Masculinity and
Sexual Identity of Mexican-American and European-American
men
Mentor: Dr. Peter Hennen

Daniel Jackson

Aspects of Meaning of Suicide During Slavery
in the Americas
Mentor: Dr. Angelita Reyes

Brian Johnson

A Comparison of Simes and Bonferroni
Testing Procedures
Mentor: Dr. John E. Connet

Markeeta Keyes

Nectar Feeding in Parasitic Wasps
Mentor: Dr. George Heimpel

Mary King

Babies on Campus: Student Parent Support Programs
Mentor: Dr. Martha Zurita

Vince Kurta

Ojibwe Language Revitalization at the
Red Cliff Reservation
Mentor: Mr. Dennis Jones

Sindy Lopez

The Justification of Felon and Ex-felon Disenfranchisement
Laws in the United States
Mentor: Dr. Chris Uggen

Carol McFarland

Black Women Poets From The New Negro: Problems of
Gender in the Harlem Renaissance
Mentor: Dr. John Wright

Vui Mai

Synthesis of new Versatile Azasugar Intermediates
Professor: Dr. George O'Doherty

Nicole Martin

Co-Aggregation of Schizotypy and Inhibition in the Relatives of
Schizophrenia Patients
Mentor: Dr. William Iacono

Kevin Monroe

Affirmative Action Retrenchment: Cooperation
Vs. Competition
Mentor: Dr. Samuel L. Myers, Jr.

Quang T. Phan

Synthesis of Tetracyclic and Pentacyclic Analogs of Arisugacin
Mentor: Dr. Richard Hsung

Stacy A. Pratt

A Preliminary Study of the Maturation Process of Chemical
Dependency Counselors of Minnesota
Mentor: Dr. Philip Colgan

Ticonna Purdle

Maximum Ability of Human Body Zones to
Transfer Heat
Mentor: Dr. Gloria Leon

Kristina Quan

Cooperative Learning, Conflict Resolution and Citizenship
Development
Mentor: Dr. Jim Mitchell

Miriam E. Rea

The Justification of Felon and Ex-felon Disenfranchisement
Laws in the United States
Mentor: Dr. Chris Uggen

Andrea Richardson

Daycare 101: An Examination of College Support Programs for
Student Parents at Historically Black Colleges and Universities
Mentor: Dr. Martha Zurita

Denese Shelton

The Impact of Negative Political Advertisements of Candidate
Impression Formation: An Experiment
Mentor: Dr. Daniel Wackman

Mary Xiong

Dress, Identity, and Cultural Heritage Among
Hmong Americans
Mentor: Dr. Joanne Eicher

**University of Minnesota McNair Scholars
1998**

Fernando Mauricio Aguirre-McKibbin Jr.

Combining Cooperative Learning with Computer Assisted Learning in the Biological Sciences
Mentors: Dr. Murray Jensen and Robert F. Diggins

Shannon Ament-Yellowbird

Evaluation of Information for Asthmatic Indian Children and Their Families
Mentor: Dr. Ann Garwick

Melissa Anderson

Diversity Issues in Secondary Civics Education: Balancing Individual Rights and Collective Responsibilities
Mentor: Dr. John L. Sullivan

Joyce Bell

How International Actors Balance Human Rights and Sovereignty: The Case of Female Genital Mutilation
Mentor: Dr. Elizabeth Heger Boyle

Abigail Fisher

Synthesis of Potential Metabotropic Glutamate Receptor Ligands
Mentor: Dr. Rodney L. Johnson

Randon Gardley

Race, Sport, Social Problems, and Public Policy: The Case of Midnight Basketball and the 1994 Crime Bill and Debates
Mentor: Dr. Doug Hartmann

Shani Greene

Electoral Consequences of Felon Disenfranchisement
Mentor: Dr. Christopher Uggen

Ricardo Hamilton

Local Finger Comfort for Astronauts During Extravehicular Activity (EVA)
Mentor: Dr. Victor Koscheyev and Dr. Gloria Leon

Paul Hanson

The Relationship Between Disposable Income, Consumption, and Unemployment in the United States
Mentor: Dr. Willis Peterson

Megan Jackson

Risk Factors and Predictors of Survivability for the Stage I Norwood Procedure for Infants with Hypoplastic Left Heart Syndrome
Mentor: Dr. Edward Martin

Jacqueline Lam

Teaching Reading in the Content Areas
Mentor: Dr. Carol Freeman

Yannet Lathrop

Che Guevara's Marxism: A Glance into the Nationalism and Internationalism of the Cuban Revolutionary
Mentor: Dr. August Nimtz

William D. Marquez

Community Parks and the Importance of Public Space: A Park Study of the North Minneapolis Camden Community
Mentor: Dr. William Morrish

Kevin Monroe

Tightening Labor Markets: Black and White Differentials in Incarceration
Mentor: Dr. Samuel Myers, Jr.

To Loan "Lisa" Nguyen

Applications of Emerging Technologies for Electronic Commerce
Mentor: Dr. Robert Kauffman

Thao Pham

The Absorption of Polymer on Bioactive Glass Surface
Mentor: Dr. Lorraine F. Francis

Jennifer Redlin

Surviving Hard Times: American Indians, the Great Depression, and the Role of Federal Boarding Schools
Mentor: Dr. Brenda Child

Jesus Sanchez

Development of Tools for Technology Enhanced Engineering Education
Mentor: Dr. Francis A. Kulacki

Melissa Sheehan

Isolation of Mutants in Arabidopsis Affecting the 35S: GL1 Phenotype
Mentor: Dr. M. David Marks

Manuela Silveira

Survey of Homeownership Program
Mentor: Dr. Samuel L. Myers, Jr.

Ge M. Thao

Transportation and Regional Growth Project.
Mentor: Dr. David Anderson and Dr. Gary Barnes

Sang Thi Truong

How to Infuse Art into Education
Mentors: Dr. Karen Seashore Louis and Dr. Kyla Wahlstrom

Thuy Truong

Motion in Complex Polymeric Fluids
Mentor: Dr. Wilmer G. Miller

Belinda Whitfield

Evaluation of the African American Adoption and Permanency Planning Agency
Mentor: Dr. Carolyn Tubbs

**University of Minnesota McNair Scholars
1997**

Humaira Ali

Induction of Neurotoxic Nitric Oxide in Human
Glial Cells
Mentor: Dr. Chun Chao

Shaghayegh Ali

National Urban Survey
Mentor: Dr. John A. Powell

Wanda Barreto

Current Analysis of the Hispanic Population
in Minnesota
Mentor: Dr. Joseph E. Schwartzberg

Tinisha Davis

Racial Differences and Issue Engagement Among Generation X
Mentor: Dr. John Sullivan

Loren Fellbaum

The Automatic Evaluation of Systems Performance for
Machine Vision Vehicle
Detection System Software
Mentor: Dr. Panos Michalopoulos

Abigail Fisher

Ground Water Flow and Contamination in
Southeastern Minnesota
Mentor: Dr. E. Calvin Alexander

Sara Gauff

Thermoregulation and Heat Exchange in a Nonuniform
Thermal Environment During Simulated Extended EVA
Mentor: Dr. Gloria Leon and Dr. Victor Koscheyev

Angela Heffernan

Global Politics and Anti-Female-
Genital-Excision Laws
Mentor: Dr. Elizabeth Heger Boyle

Heather Kaehler

A Survey of Lithospermum Canescens Native Habitat and
Propagation Techniques
Mentor: Dr. James Calkins

Thang Mai

Implementation of Labview and (General Purpose Bus) or
GPIB Control
Mentor: Dr. Ramesh Harjani

Mickey Mikeworth

Women's Preventative Health Care: A Study of Midwest
Migrant Farmworkers
Mentor: Dr. John Shutske

Ronald Morris

African American Females and Literacy
Mentor: Dr. Elaine Richardson

Alonzo Myers

Domestic Violence in the African American Community: Its
Effects of Fatherhood
Mentor: Dr. Oliver Williams

Hoa Nguyen

The Development of an Optical Reflectivity System for
Temperature Measurements
Mentor: Dr. Eric Ganz

To Loan Nguyen

Development of a High Performance Liquid Chromatography
to Measure Isoniazid and
Acetylisoniazid in HIV-Infected Tuberculosis Patients
Mentor: Dr. Rory Rummel

Jesus Sanchez

Development of Tools for Technology
Enhanced Education
Mentor: Dr. Frank Kulacki

Simon Shannon

A Novel Approach for Preparing Dimers Using Controlled Pore
Glass Bound Ellman's Reagent
Mentor: Dr. George Barany

Melissa Sheehan

Isolation and Restriction Enzyme Mapping of the Arabis
caucasica GLABRA2 Gene
Mentor: Dr. M. David Marks

Manuela Silveyra

Evaluating Benefits to Employers that Provide Health and
Safety Information Access to Migrant Workers
Mentor: Dr. John Shutske

Vonnie Sisauyhoat

Cross Cultural Adjustment of International Students: Critical
Factors and Experiences
Mentor: Dr. Kay Thomas and Ms. Alisa Elund

Tawny Smith

The Link Between Child Maltreatment and
Women Battering
Mentor: Dr. Jeffrey Edleson and Dr. Sandra K. Beeman

Tuyetlan Trihn

Movement of Macromolecules Across the Airway Epithelium
by Transcytosis
Mentor: Dr. Douglas Wangensteen

Sang Thi Troung

Vietnamese Immigrants in the USA: The Importance
of Culture
Dr. Ann Waltner

May T. Yang

Asian International Students' Needs and Satisfactions at the
University of Minnesota
Mentor: Dr. Kay A. Thomas

**University of Minnesota McNair Scholars
1996**

Humaira Ali

Effect of Poly I:C on Nitric Oxide Production of Human Glial Cells

Mentor: Dr. Chun Chao

Maria Bonner

Latinos with Asthma: Putting the Pieces Together

Mentor: Dr. Jean Allman

Thao Chu

Ablation: A Non-Invasive Method for Preventing Cardiac Arrhythmia

Mentor: Dr. Michael Hoey

Irene Collins

Colic: Effects on Maternal Perception

Mentor: Dr. Megan R. Gunnar

Christine Forrest

Helms-Burton Act

Mentor: Dr. Lisa Disch

Maria Mercedes Diaz

Faculty of Color Within the Research

University Environment

Mentor: Dr. Caroline Sotellovierners Turner

Sara Gauff

Thermoregulation and Health Exchange in a Nonuniform

Thermal Environment During Simulated Extended

Extravehicular Activity

Mentors: Dr. Victor Koscheyev and Dr. Gloria Leon

Sandra Jennings

The Impact of Harmful Speech on Adolescents

Mentors: Dr. Geraldine Kearse Brookins and Laura Lederer, J.D.

Lynne Kimble

Low-tech Approaches to Metal Casting

Mentor: Dr. Wayne E. Potratz

Julius King

Turning of the Tide: The Return of Racial Segregation in Education

Mentor: John A. Powell

Maria Saldana King

Computers in the Classroom: Using the WWW as a

Supplement Resource in the Second

Language Classroom

Mentor: Dr. Murray Jensen

Kim LaCroix

Beads and Tomahawks: Perpetuating American Indian

Stereotypes Found in Souvenir and Tourist Art

Mentor: Dr. Jean Allman

Carl Lundin

Using the Worldwide Web in Biology Education

Mentor: Dr. Murray Jensen

Ramon Marquez

Availability of Large Chain Grocery Stores in

Hennepin County

Mentor: Dr. Samuel L. Myers, Jr.

Eric D. Moore

Residential Segregation and Its' Impact on the Intensity of Violence and Crime in Poor Inner-City Black Communities: The Case of Chicago

Mentor: Dr. J.A. Powell

Monishae Mosley & Deidre Solomon

A Comparative Analysis of Grocery Cost Disparities

Mentor: Dr. Samuel L. Myers, Jr.

Hoa Nguyen

The Development of an Optical Reflectivity System for

Temperature Measurements

Mentor: Dr. Eric Ganz

Yvette Pye

What's in a Frame? How African and African American Youth are Depicted in the U. S. News Media

Mentor: Dr. Earl Scott

Dena M. Sanford

Citation Analysis of Racial Discrimination and Sentencing

Disparities in the Criminal Justice System

Mentor: Dr. Samuel L. Myers, Jr.

Simon Shannon

Peptide Synthesis

Mentor: Dr. George Barany

Dan-Tam Thi Tran (Tammy)

Characterizing the Management of Diabetes in Primary Care

Clinical Settings

Mentors: Dr. Kevin Peterson and Dr. Michael Wootten

Tuyetlan Trinh

Using Different Methods to Understand the Mechanism

of Estrogen or Ovalbumin Gene Expression Mutants of

Caenorhabditis elegans

Mentor: Dr. Robert K. Herman

Corena Trumble

The Isolation and Characterization of Phasmid-Defective

Mutants of Caenorhabditis elegans

Mentor: Dr. Robert K. Herman

**University of Minnesota McNair Scholars
1995**

Jacqueline Arciniega

The Correlation between Ethnicity and Albinism
Mentor: Dr. Richard King

Magdalena S. Corbett

Child Support Enforcement
Mentor: Dr. Sheila Ards

Darrel Cusey

Orientation Specificity in Spatial Relationships
Mentor: Dr. Erik Arthur

Khanh T. Huynh

Cobalt Cluster Size Effect on the Interaction between Cobalt Clusters and PMMA
Mentor: Dr. Rina Tannenbaum

Julius King

Uniformity in Sentencing: A Historical Analysis of the Minnesota Sentencing Guidelines
Mentor: Dr. Samuel L. Myers, Jr.

Antoinette Lamkin

A Murine Model of Immunologically Mediated Fatigue: BALB/c vs. C57Bl/6
Mentor: Dr. Chun Chao

Malay Lau

Non-Custodial Fathers: Do We Really Know Them?
Mentor: Dr. Sheila Ards

Sandra Lindstrom

Environmental Racism in the Twin Cities
Mentor: Dr. Robert McMaster

Cynthia Medina-Gaskins

The Status of Chinese Women During the Nineteenth Century
Mentor: Dr. Ann Waltner

Eric Moore

Where are the Black Men? A look at Incarceration, Participation in Higher Education and the Minneapolis Opportunity Structure
Mentor: Dr. Rose Brewer

Monishae Mosley

A Report on Minnesota's School-Based Entrepreneurship Programs
Mentor: Senior Fellow Joseph Nathan

Mai Moua

Mortgage Loan and Home Ownership Disparities between Asians and Blacks
Mentor: Dr. Samuel L. Myers, Jr.

Christina T.D. Nguyen

The Non-Biological Model of the Interactions between Microtubules and Proteins leading to Organized Microtubules
Mentor: Dr. Wilmer Miller

Lydia Ong

Synthesizing a Protecting Group (DtsNH) for DNA and a Phosphorylating Peptide for Biological Testing
Mentor: Dr. George Barany

Courtney Peterson

Comparison of Computer Based Cooperative and Individualistic Learning in Biological Science Education
Mentor: Dr. Murray Jensen

Jeffrey Robinson

The Vilification of Blacks in Newsweeklies: Its Implied Effect on the Racial Composition of U.S. Jails and Prisons
Mentor: Dr. Samuel L. Myers, Jr.

Adriana Sanchez

The Debate in Cuba About Economic Reforms
Mentor: Dr. August Nimtz

Dena M. Sanford

Sex and Social Structure: Women's Prisons in the 1990s
Mentor: Dr. Candace Kruttschnitt

Ravit Sarid

Three Component Polymer System Polystyrene, Poly(X-Benzyl-L-glutamate), in DMF
Mentor: Dr. Wilmer Miller

Bonnie Jane Snyder

The Effects of Inactivity and Exercise on Ages Single Skeletal Fibers
Mentor: Dr. LaDora Thompson

Margaret Swanson

Organizational Learning in Restructuring Schools: Creating Community in Reform
Mentor: Dr. Karen Seashore Louis

Dan-Tam Tran

The Prevalence and Clinical Significance of Amniotic Fluid Colonization of Ureaplasma Urealyticum and/or Mycoplasma Hominis in Patients with Preterm Labor and/or Preterm Rupture of the Membranes
Mentor: Dr. Laura Coultrip

Hung Trinh

Studying the Factors Affecting Sampling Efficiency of Blunt Aerosol Samplers
Mentor: Dr. Gurumurthy Ramachandran

Angela Vorce

The Impact of P-Glycoprotein on Intestinal Absorption of Vinblastine
Mentor: Dr. Jane P.F. Bai

Ola Wallace

Discrimination in the Large and Small
Mentor: Dr. Samuel L. Myers, Jr.

Curtisa West

Stress and Coping Among Children
Mentor: Dr. John Romano

University of Minnesota McNair Scholars
1994

Erick Biard

The Life and Times of the Tuna King
Mentor: Dr. Carla Phillips

Irene Collins

Peer Acceptance Among Preschool Social Groups
Mentor: Dr. Megan Gunnar

Magdalena S. Corbett

Youth Development Study: Adolescent Employment and
Mental Health
Mentor: Dr. Jeylan T. Mortimer

Rolando Fuentes

Tierra O Muerte: The Land Grant Conflict in Northern New
Mexico
Mentor: Dr. Dennis Valdes

Robert Ganser

Public Housing and the Physical Environment
Mentor: Dr. Todd Rhodes

Mark Griffiths

An Application of Rousseau's Teaching
Mentor: Dr. John Wallace

Hae Jin Hong

Oral Delivery of Insulin-Like Growth Factor
Mentor: Dr. Jane P. F. Bai

Sandra Jennings

Peer Acceptance Among Preschool Social Groups
Mentor: Dr. Megan Gunnar

David Kelly

A Policy Analysis of Crime in Minneapolis
Mentor: Dr. Samuel L. Myers, Jr.

Chad Kramer

Social Studies Teachers and Civic Education
Mentors: Professor John L. Sullivan and Associate Mentor: Dr.
Patricia Avery

Antoinette Lamkin

Vertical Pursuit in Patients with Schizophrenia and the
First-degree Relatives
Mentor: Dr. William M. Grove

Tou Lee

Home Improvement Loans: An Issue of Racial or Residential
Discrimination?
Mentor: Dr. Samuel L. Myers, Jr.

Shalia Lindsey

A Policy Analysis of Crime in Minneapolis
Mentor: Dr. Samuel L. Myers, Jr.

Thuan Ly

Synthesis of Virtual Reality Research
Mentor: Dr. Peter A. Hancock

Mai Neng Moua

Breaking the Asian Stereotype: Intergenerational Conflict in
Hmong Youth
Mentor: Dr. Daniel Detzner

Sally Neal

The Internal Body Clock
Mentor: Dr. Peter A. Hancock

Lori Nyland

Large Particle Sampler Calibration
Mentor: Dr. Virgil A. Marple

Lydia Ong

The Synthesis and Polymerization of
N-carboxyanhydrides (NCA's)
Mentor: Dr. Wilmer Miller

Claire Puckett

A Computer Graphics Approach to Minnesota Biology
Mentor: Dr. Murray Jensen

Sophois Sokhom

The Internationalization of Financial Capital Markets
in Japan
Mentor: Dr. Raymond Duvall

Deidre Solomon

A Policy Analysis of Crime in Minneapolis
Mentor: Dr. Samuel L. Myers, Jr.

Tou Xiong

Leadership and Politics in Ethnic Communities: a study of the
Hmong community
Mentor: Dr. Daniel Kelliher

**University of Minnesota McNair Scholars
1993**

Cheryl Applegate

The DFL Merger and Its Effects on Black Labor
Mentors: Dr. Jeylan T. Mortimer, Dr. Ron R. Aminzade, Dr.
Allan H. Spear

Gitonya Bolden

Social Studies Teachers and the Role of Civic Education
Mentors: Dr. Jon L. Sullivan and Dr. Patricia G. Avery

Raymond H. Dehn

Beyond Convention
Mentor: Dr. J. Stephen Weeks

Kevin Diaz-Lane

The Human Perception of Planar Distance in a
Virtual Environment
Mentor: Dr. Peter A. Hancock

Tuan Tran Dinh

Synthesis and Diffusion of Monodisperse and Surfactant-Free
Polystyrene Latexes
Mentor: Dr. Wilmer G. Miller and
Mr. Clement Onyenezemu

Elvin Gutierrez

Synthesis of a Tripeptide Prodrug to Improve Oral Absorption
of L-Dopa
Mentor: Dr. Jane P.F. Bai

Dione Hubbard

Written Discourse in the Humanities Versus the Sciences:
What is Ideal Writing?
Mentor: Dr. Lillian S. Bridwell-Bowles

Brian P. Johnson

Historical Approaches to Syphilis and the Implications for
Approaches to AIDS
Mentor: Dr. John M. Eyster

Hye-Suk Y. Keller

Couples Adjustment to The Prenatal Versus Postnatal
Diagnosis of Down Syndrome
Mentor: Dr. Marcia L. Shew

Angela Lewis

Afrocentricity in Education: Why and How Should African
American Parents Increase their Involvement with their
Children's Education?
Mentor: Dr. John M. Taborn

Khanh Uyen Nguyen

The Partition Coefficients of Peptides
Mentor: Dr. Jane P.F. Bai

Mayra Oberto

The Use of Tn 5 Transcription Fusion to Determine the
Regulation of Rhizobium fredii, nolJ Gene
Mentor: Dr. Michael J. Sadowsky

Sam Olbekson

Low-Income Housing Study of Near-North Minneapolis
Mentor: Dr. Garth C. Rockcastle

Mary Sullivan Reeve

Twin Cities Neighborhoods: Status and Situation of New
Immigrants and Refugees
Mentor: Dr. Judith Martin

Sheila Rivera

CitySongs: A Primary Program for Children and Adolescents
at Risk
Mentor: Dr. Helen Q. Kivnick

Maria Isabel Saldana

Compliance with Medical Regimens: Issues in Patient
Adherence to Health Care Regimens
Mentors: Dr. Eugene Borgida, Dr. Marti Hope Gonzales

Marvin L. Scott

Images in Translation: Mass Media and Popular Culture
Mentor: Dr. Rose M. Brewer

Damon A. Tinnon

Patterns in Black Social and Economic Improvement and
Decline
Mentor: Dr. Samuel L. Myers Jr.

Thomas N. Trinh

Intestinal Epithelium Affecting Insulin Absorption
Mentor: Dr. Jane P.F. Bai

Pedro Villarreal

The Effect of Citizen Politics on the Minnesota Extension 4-H
Program
Mentor: Dr. Harry C. Boyt

Hye-Chong Yun

Modification and Characterization of Polymer
Latex Surfaces
Mentor: Dr. Wilmer Miller

Angela Zinsli

CitySongs: The Role of Primary Prevention in Dealing with
Violence Among Children and Adolescents
Mentor: Dr. Helen Kivnick

**University of Minnesota McNair Scholars
1992**

Rosalind Renee Buckhalton

Law-Related Education in Alternative Settings
Mentor: Dr. Jennifer Bloom

Beth Carr

The Design and Manufacture of a Human-Powered, Propeller-Driven, Airfoil-Supported Hydrofoil
Mentor: Dr. Arthur G. Erdman

Jackie Dionne

Native American and African American Homeless Children
Mentor: Dr. Ann Masten

Gertrude Greene

Effects of Metabolic Modifiers on Body Composition and Physiological Response of Cull Holstein Cows
Mentor: Dr. Brian A. Crooker

Hong Ho

Marxism, Leninism and Stalinism in South Africa
Mentor: Dr. August H. Nimtz, Jr.

Khanh Huynh

Will Voters' Political Disposition Have An Influence When Interpreting Political Statements?
Mentor: Dr. John H. Fleming

Pamela D. Jackson

Exploring Political Tolerance Among Adolescents
Mentor: Dr. John L. Sullivan

John Johnson

Determination of Physical and Chemical Properties Common to Surveyed Lakes with Infestations of Eurasian Milfoil
Mentor: Dr. Raymond M. Newman

Kristy Johnson

Gender Influences Involved in Teaching and Learning Science
Mentor: Dr. Murray S. Jensen

Carol A. Lawrence

Self and Emancipated Foster Care for Native American Adolescents in Longterm Care
Mentor: Dr. Esther F. Wattenberg

Robin Renee Lee

Paving the Rugged Road: Preparing African-American Adolescents In Foster Care To Become Independent Adults
Mentor: Dr. Esther F. Wattenberg

Tim Lieder

The Black Renaissance and Minnesota:
A Preliminary Investigation
Mentor: Dr. John S. Wright

Melody M. Martagon-Geiger

Occupational Aspirations in Homeless Children
Mentor: Dr. Anne S. Masten

Jeffery V. Robinson

A Comparison of North Minneapolis, South Minneapolis and West Saint Paul
Mentor: Dr. Judith Martin

Maria I. Saldana

Political Accountability: A Look at Political Strategies by Members who had Overdrafts at the House Bank
Mentors: Dr. Matha H. Gonzales, Dr. Margaret Kovera

Iris Sanchez

Database Compilation for the Study of Speech Errors
Mentor: Dr. Joel P. Stemberger

Gregory Sawyer

Counseling Intervention for Men who Commit Domestic Violence
Mentor: Dr. Tom M. Skovholt

Emmily Stokes

Perspective Reseach of Minnesota's African American Community
Mentor: Dr. John S. Wright

Phuc Vinh Tran

Elispot Analysis of Human B-Cell Producing Allergen-Specific Antibodies
Mentor: Dr. Andreas Rosenberg

Ruben Velazquez

The Role of the N-terminus of Substance P in Kainic Acid-Induced Toxicity in Rats
Mentor: Dr. Louis Alice A. Larson

Tim Wolf

Urban Out-Migration
Mentor: Dr. Judith Martin

Tom Yaeger

Early Detection of Alzheimer's Disease Using EEG
Mentor: Dr. James E. Holte