

**SCHOLARLY PRODUCTS 2019**  
**ND INBRE: HEALTH AND THE ENVIRONMENT**  
**P20GM103442**

**PRESENTATIONS (undergraduates are underlined)**

**Minot State University**

Burntee BJ, Keller CP.

Deletion of Auxin Binding Protein-1 Increases Stratification and Decreases Lateral Root Initiation

North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Ghimire B, Heimdal K, Super H.

Sensitizing AML Cells to Differentiate with ATRA

North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Hamm AR, Bobyleva LI, and Bobylev MM

Rapid synthesis of N-(2-methoxybenzyl)-N-ethylformamide

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Hamman A, Bobyleva LI, and Bobylev MM

Synthesis of N-[1-(4-isobutylphenyl)ethyl]-N-methylformamide

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Heimdal KK, Ghimire B, Super H

Sensitizing AML Cells to Differentiate with ATRA

North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Hunt A, Hoque R, Tian J, Arias F, Brown D, Royer R, Lepp P

Survey of Tick Blood Meals and Associated Bacterial Diversity

North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Mikhova M and Schmidt BJ

Effects of Methamphetamine on Adrenal Cells

North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Mikhova M

The Role of ASK1 in Cellular Senescence

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Olson EW, Winburn MR, Winburn NR

Effects of sugar, honey, and cream on caffeine absorption in human saliva

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Olson EW, Winburn MR, Winburn NR, Schmidt BJ  
Method Optimization for Extraction and Alaysis of Catecholamines Adrenal Cells Using GC/MS  
North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Simons TL, Bobyleva LI, and Bobylev MM  
Rapid Synthesis of N,N-di-(4-nitrobenzyl)-N-methylamine  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Skinner TA, Bobylev MM  
Novel Method of Synthesis of Benzylamine Fungicides  
23<sup>rd</sup> Annual CUR Posters on the Hill, April 2019

Skinner TA, Bobyleva LI, Bobylev MM  
Novel Method for the Sythesis of Dibenzylmethylamines via the Leuckart Reaction  
North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Sundhagen SE, Bobyleva LI, and Bobylev MM  
Rapid Synthesis of N-[1-(4-isopropylphenyl)ethyl]-N-methylformamide  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Winburn MR, Olson EW, Winburn NR, Schmidt BJ  
Method Optimization for GC/MS Analysis of Catecholamines  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Winburn MR, Olson EW, Winburn NR, Schmidt BJ  
Method Optimization for Catecholamine Solvents and Extraction from Cultured Adrenal Cell  
North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Winterton EM, Bobyleva LI, and Bobylev MM  
Rapid synthesis of N-(2,3,4-trimethoxybenzyl)-N-methylformamide  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Wilson BS, Bobyleva LI, and Bobylev MM  
Rapid Synthesis of N,N-di-(4-cyanobenzyl)-N-methylamine  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

### **Dickinson State University**

Hondl C, Centko A, Frederick A, Steffan J and Whippo C. Surveying the growth promoting and inhibiting effects of bacterially produced volatile organic compounds on the growth of Arabidopsis plants  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Goetz J, Whippo CW, and Steffan JJ. Volatile Organic Compounds Affect the Cell Proliferation of Tumor Cell Lines  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

### **Mayville State University**

Barker SA, Ogburn KS, Biggane JP and Gonnella TP  
Kinetic Modeling of Substrate Inhibition of ALDH2 at Physiological Concentrations of Magnesium Ion.  
North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Barker SA, Ogburn KS, Biggane JP and Gonnella TP. Application of Time Resolved Fluorescence and Kinetic Modeling Techniques to Resolve the Influence of Magnesium Ion on Straight-chained Aldehyde Substrate Inhibition of Mitochondrial Aldehyde Dehydrogenase (ALDH2)  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Carpenter L, Pollack S, Quadir M, Mehedi M, and Hossain K. Plant-based Polymer-Mediated Synthetic DNA Delivery for Therapeutics  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Pollack S, Carpenter L, and Hossain K. Crop Plant for Human Health Management  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

### **Cankdeska Cikana Community College**

Green D and Voels B. Expression of Schlafen 12 is Down Regulated in UROtsa Cells Following Transformation by Arsenite.  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Jacobs S and Voels B. Schlafen 12 Expression is Down Regulated in UROtsa Cells Exposed to Cadmium.  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Lohnes A, Green D, Jacobs S, and Voels B. Decreased Expression of Schlafen 12 in Arsenic and Cadmium-induced urothelial cancer.  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Roan Eagle I, Voels B. Characterization of GAGE2B, GAGE2C, GAGE2E, GAGE12C, and GAGE12D Gene Expression in Breast Cancer Cell Lines  
7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019.

## **Turtle Mountain Community College**

Best LG, Cole S, Haack K, Torgerson D. Novel variants of the CRP gene in an American Indian pre-eclampsia cohort.

The Aspen/Snowmass Perinatal Biology Symposium, May 2019.

Kascaundra Poitra, AS, Tsosie KS, Best LG. Risk of Pre-Eclampsia Among American Indian Women is Independent of 4 Known CRP Variants

7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019.

Martell KG, Henry RC, Gourneau M, Best LG, and Tsosie KS. Recall Bias in the Informed Consent Process for a Longitudinal Genetics Study

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Rodriguez J, Parisien A, Best LG. Risk of Pre-Eclampsia in an American Indian Population is not Associated with a Variant of the C-Reactive Protein Gene (rs2794520)

7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019.

## **United Tribes Technical College**

Blevins K, Bowsher J and Grula C. Alfalfa Leafcutter Bee (*Megachile rotundata*) Emergence Under Varying Oxygen Levels

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Friday M and Guinn M. Alpha-Glucosidase and its Inhibitor in Onion Plants (*Allium cepa*)

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Lofton K and Guinn M. Influence of Diet on the Nitrogen, Phosphorus, and Potassium (NPK) Nutrients, Organic Matter, and Carbon: Nitrogen (C:N) Ratio in the Vermicompost Casts of the *Eisenia fetida*, Red Wiggler Worm

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

West B (Ta'Sagye Waste Win) and Guinn M

DNA Sample Validity in North Dakota Bats: le anpetu ke hupakiglake ki iwowaglakin kte

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

## **University of Mary**

Ahlbrecht B, Grinsteinner B, Barr DA

Information Transfer in Lac and Gal Protein-DNA Complexes

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Frappier MM, Jents MB, Lula MA, Fleischacker CL. Bacteriophage Genome Annotation for Future Medical Applications

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Sauer A, Henry A, Wilke S, Zwirner H, Ronderos DS

Testing Mosquito Insecticide Resistance in Western North Dakota

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Zwirner H, Henry A, Sauer A, Wilke S, Ronderos DS

Requirement of Cbp53e in the Visual System of Drosophila

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Nagle AM, Twitchel TM, Kadrmas TK, Fleischacker CL

Immune suppression of pro-inflammatory cytokines by non-pathogenic Staphylococcus species

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Crowe R, Skraba M, Saunders E, Sawhney M, and Barr DA

Analyzing Psychological and Biological Indicators of Depression

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

## **University of North Dakota**

Ali A, Spagnolia A, Geffre M, Grove BD

Gravin/AKAP12 Palys a Role in Endothelia Cell Migration and Angiogenic Sprouting.

North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Amacher A, Bhattacharya A, Hur J and Dhasarathy A.

The role of CCCTC Binding Factor (CTCF) in Epithelial to Mesenchymal Transition (EMT)

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Bazile D, Montplaisir D, Simmons RB.

Identification of the sex-determining gene, doublesex, in tussock moths (Lepidoptera: Erebidae:

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Berning WP, Smith NA, Germundson DL, Nagamoto-Combs K

Decreased Neural Activity in the Auditory Cortex Associated with Behavioral Abnormality in a Mouse Model of Cow's Milk Allergy

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Bergum N, Kalonick M, Shrestha S, and Somji S

Arsenic-induced Luminal to Basal Cancer Subtype Transformation

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Biggane ER, Somji S, Garrett SH, Sens DA, Zhou X, Nore A, Dunlevy JR.  
SPARC Expression at Tumor Initiation and After Tumor Formation in a Bladder Urothelial Carcinoma Model System.

7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019.

39<sup>th</sup> Annual Frank Low Research Day, April 2019

58<sup>th</sup> Annual Meeting & Tox Expo, Baltimore, MD 2019

Biggane J, Dent ZO, Knauth TP, Power JA, Hanson PC, Perez DM, Doze VA. The  $\alpha$ 1A-adrenergic Receptor Alters Seizure Susceptibility and Epileptiform Frequency.

7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019.

Biggane J, Dent ZO, Power JA, Knauth TP, Hanson PC, Perez DM, Doze VA  
Central Noradrenergic System Manipulation Alters Brain Excitability in Models of Epilepsy  
North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Biggane J, Dent ZO, Power JA, Hanson PC, Knauth TP, Perez DM, Doze VA.

Antiepileptic Effects of Alpha1A-adrenergic Receptor Activation and Contributions to Seizure Susceptibility.

39<sup>th</sup> Annual Frank Low Research Day, April 2019

Blommel KG, Kalonick MJ, Shrestha S, Somji S

Effect of Arsenite on Expression of FOXA1, SNAI1, and CDH-2 and the Luminal to Basal Transition in the NMIBC HTB-2 Cell Line

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Breen SW, Guyer RE, Shrestha S, Garrett SH.

Lysosomal Gene Expression in Hyperglycemic Proximal Tubule Cells

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Darland T, Jensen BM, Johnson HG, Boyle C

The Effect of Embryonic Cocaine Exposure on Longitudinal Gene Expression, Behavior and Physiology

North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

Dwumfour S, Guyer R, Pathak P, Shrestha S, Garrett S.

Expression of LIPA, VPS41, TPP1 and TXNIP in hyperglycemic in-vitro HPT cells

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Edwards JK, Hovde MJ and Foster JD

Sodium Hydrogen Exchanger Isoform 1 (NHE1) Palmitoylation by Palmitoyl Acyl Transferase Isoform 5 (DHHC5)

Fleming LA, Power JA, Grijalva RM, Guadarrama GC, Doze VA.  
Cirazoline's Effect on Mice Behavior, Spatial Learning, and Memory:  
Is Neurogenesis the Cause?

Francis C, Darby B and Williamson M.  
Correlation between Life History Traits and Proportional Reproductive Biomass of Soil  
Nematodes  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Germundson DL, Smith NA, Nagamoto-Combs, K  
Class II human leukocyte antigen expression influences behavioral manifestations of mild food  
allergy in mice  
Society for Neuroscience Annual Meeting, Oct 2019

Germundson DL, Smith NA, and Nagamoto-Combs K.  
HLA-II transgenic mice demonstrate sex and haplotype dependent behavioral responses after  
allergic sensitization to cow's milk protein  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Germundson DL, Smith NA, and Nagamoto-Combs K.  
HLA-II Specific Clinical and Behavioral Responses in a Transgenic Mouse Model of Non-  
Anaphylactic Cow's Milk Allergy  
39<sup>th</sup> Annual Frank Low Research Day, April 2019 (oral presentation)

Grijalva R, Power J, Guadarrama G, Fleming L, Doze V. Investigating the Effects of an  $\alpha$ -1A  
Agonist on Neurogenesis  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Guadarrama G, Power JA, Grijalva R, Fleming L, Doze VA  
The Function of an  $\alpha$  1AAR Agonist in the Formation of New Neurons  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Guyer RE, Corum NJ, Nelson AE, Garrett SH, Slusser-Nore A, Shrestha S  
CD24+ RPTEC/TERT1 Cells in the Context of Acute and Chronic Cadmium Exposure  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Hasler W, Sohrabi M, Schmit T, Khan N, Venkatachalem S, Combs C.  
Characterization of Lung Changes in a Mouse Model of Alzheimer's disease.  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Hida N, Guyer R, Shrestha S, and Garrett SH. Expression of CLCN7, FYCO1, and LGMN in  
Renal Proximal Tubule  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Hoggarth Z, Sluuer-Nore A, Osowski D, Garrett S, Sens D, Somji S  
Enrichment of Genes Associated with Squamous Differentiation in Cancer-Initiating Cells  
Isolated from Arsenite Transformed UROtsa Cell Lines  
58<sup>th</sup> Annual Meeting & Tox Expo, Baltimore, MD 2019

Hollingsworth D, Danielle Perley D, Dastidar SG, Nechaev S  
The Correlation of Chromatin Modifications H3K4me3 and H3K4me1 to Gene Expression  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Jorenby NJ, Ekman DJ, Achatz TJ, Tkach VV.  
Digenean larvae in Minnesota and North Dakota mollusks: How common are swimmer's itch  
agents?  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Kalonick MJ, Corum NJ, Nelson AE, Garrett SH, Slusser-Nore A. CD44 variant 4 (CD44s)  
expression and localization in 4.5uM transformed TERT cells  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Knudsen CS, Kalonick MJ, Pathak P, Shrestha S, Somji S  
Gene expression of GATA3 VIM & SLUG in short and long term As<sup>3+</sup> exposure to HTB-2 cells  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Knutson P, Kalonick M, Pathak P, Shrestha S and Somji S FABP4, KRT6A, 6B, 6C and EGFR  
Expression in Arsenic Exposed HTB-2 Cells  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Kochanowski JL, Guyer RE, Shrestha S, Garrett SH  
Expression of RRAGC, PSAP, and FNBP1 in Human Proximal Tubule Cells Exposed to High  
Levels of Glucose  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Martens JR, Achatz TJ, Tkach VV  
What's in our Fish?  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Lohnes AM, Burum JD, Simmons RB. Finding DNA Identifiers for the Different Sexes of the  
White-Tussock Moth (Lepidoptera: Lymantriidae).  
7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019.



Mehus AA, Garrett SH, Sens DA, and Somji S  
Expression patterns of basal and luminal markers in the As3+-transformed urothelial UROtsa cell line treated with Troglitazone  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Miller S and Rhen T. A Novel Method for Effectively Analyzing Open Field Behavior and its Application to the Common Snapping Turtle (*Chelydra serpentina*)  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Moe EJ, Guyer RE, Pathak P, Shrestha S, Garrett SH. EGFR, LDLR, mTOR, and AKR1B10 Expression in HPT cells when Exposed to High Glucose Levels  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Nagle J, Rodriquez M, and Henry LK.  
Neonate mouse exposure to selective serotonin reuptake inhibitors alters behavior in a sex-dependent manner  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Nelson A, Hoggarth Z, Zhou X, Garrett S, Sens D, Somji S  
Differential Gene Expression Patterns in Subcutaneous and Intra-peritoneal Tumors Produced by Urotsa Cells Malignantly Transformed by Cadmium and Arsenite  
58<sup>th</sup> Annual Meeting & Tox Expo, Baltimore, MD 2019

Oancea SC, Brackin C, Nucci LB. Acquired hearing loss and depression among individuals residing in Brazil: a national level study.  
Society of Epidemiologic Research 52nd Annual Meeting, Minneapolis, MN, June 2019

Oancea SC, Ghosh S, Nucci LB. Asthma and depression among individuals residing in Brazil: a national level study.  
American Public Health Association Annual Meeting and Expo, Philadelphia, PA, Nov 2019  
Society of Epidemiologic Research 52nd Annual Meeting, Minneapolis, MN, June 2019

Oancea SC, Mark C, Nucci LB. Violent crime and alcohol consumption among adult Brazilian residents: results from a national level study.  
Society of Epidemiologic Research 52nd Annual Meeting, Minneapolis, MN, June 2019

Oancea SC, Norris R, Nucci LB. Chronic back pain and depression in Brazil: a national level study.  
Society of Epidemiologic Research 52nd Annual Meeting, Minneapolis, MN, June 2019

Oancea SC, Wu G. The use of marijuana or hashish and its association with the receipt of flu vaccination among adults residing in the US: results from the BRFSS 2016 study.  
Society of Epidemiologic Research 52nd Annual Meeting, Minneapolis, MN, June 2019

Pathak P, Slusser-Nore A, Hoggarth Z, Nelson A and Somji S. Expression of potential bladder cancer stem cell markers in As3+ and Cd2+ transformed UROtsa cell lines and urosphere

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Perez-Bailey CN, Ward AM, Hovde MJ and Foster JD

Regulation of Dopamine Transporter Palmitoylation by Acyl Protein Thioesterase 1 *in vitro*

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Quinn M and Darby B

Comparing biological, physical, and chemical indices of soil health

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Ridgley MD, Guyer R, Shrestha S and Garrett SH

NPC, NEU1, CTNS expression and localization in glucose exposed Human Proximal Tubule (HPT) Cell line

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Shrestha S, Garrett SH, Zhou X, Sens DA and Somji S

CD133+CD24+ cells isolated from the human proximal tubules have proliferative and regenerative potential in response to insult by the environmental toxicant cadmium

7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

58<sup>th</sup> Annual Meeting & Tox Expo, Baltimore, MD 2019

Slusser A, Fleming L, Somji S, Sens D, Garrett S

Prolonged Exposure to Sodium Arsenite Initiates Epithelial-Mesenchymal Transition in Human Renal Proximal Tubule Epithelial Cells (RPTEC/hTERT)

58<sup>th</sup> Annual Meeting & Tox Expo, Baltimore, MD 2019

Smith NA, Germundson DL, Nagamoto-Combs, K. Differential Behavior Response in C57BL/6 and BALB/c Mice Induced Food Allergy.

North Dakota Academy of Science 111<sup>th</sup> Annual Meeting, March 2019

7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019

Smith NA, Germundson DL, and Nagamoto-Combs K.

Astrogliosis and dysbiosis associated with behavioral abnormality in a non-anaphylactic mouse model of cow's milk allergy.

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

39<sup>th</sup> Annual Frank Low Research Day, April 2019

Smith NA, Germundson DL, Nagamoto-Combs, K

Anxiety-like behavior is differentially induced in C57BL/6J and BALB/cJ mice as a form of non-anaphylactic response to cow's milk allergy

Society for Neuroscience Annual Meeting, Oct 2019

Smith OC and Guinn M. MicroWatt(uW) Energy Production from Microbial Fuel Cells  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Suk E, Kalonick MJ, Pathak P, Shrestha S, Somji S  
Effect of Arsenic Exposure on Expression Levels of FGFR3,  $\alpha$  - SMA, and TWIST in HTB-2 Cells  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Sweeney Z, Khoshbouie H, and Henry LK.  
Characterization of Expression Changes for a Subset of Target Genes Hypothesized to be Involved in Methamphetamine Response  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Tefera R, Naylor M, Bhattacharyya T, and Manu.  
Role of C/EBP $\alpha$  in Macrophage-Neutrophil Cell Differentiation  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Thomas A, Cisek K, O'Shea L, Sens DA, Doze VA. Implementing Bio-Rad Labs and Meeting State Teaching Standards as a High School Science Teacher  
7<sup>th</sup> Annual North Dakota Tribal College Research Symposium, April 2019.

Vargas D, Casselli T, Divan A, Brissette C  
Use of fluorescent immunohistochemistry to visualize T cells and B cells in the dura mater of mice infected with *Borrelia burgdorferi*  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Volkert A, Guyer R, Kalonick M, Shrestha S, Garrett SH  
Expression of HEXB, RRAGD, and SQSTM in glucose exposed human proximal tubule cells.  
UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Walter E, Allen M, Shetty M and Henry KL.  
Impact of N-terminal Phosphomimetic Mutants on Substrate-Induced Enhancement of Uptake by the Dopamine Transporter  
11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Watson IW, Oancea SC. Does health plan type influence receipt of annual flu vaccination?  
39<sup>th</sup> Annual Frank Low Research Day, April 2019  
Society of Epidemiologic Research (SER) 52nd Annual Meeting, Minneapolis, MN, June 2019

Watson IW, Oancea SC. Does self-rated health status influence receipt of an annual flu vaccination?  
39<sup>th</sup> Annual Frank Low Research Day, April 2019  
Society of Epidemiologic Research (SER) 52nd Annual Meeting, Minneapolis, MN, June 2019

Wegner K, Pathak P, Somji S, Shrestha S, Garrett SH

Metallothionein expression for TERT1 cells in conditioned and unconditioned media and HTB-2 cells exposed to cadmium and arsenic

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Winterton S, Bierstedt J, Erickson A, Rhen T

Cause for Shell-ebration: Proteins Involved in siRNA Knockdown are Functional in Chelydra serpentina

UND SMHS Summer Undergraduate Research Experience Symposium, Aug 2019

Zheng Y, Zhou X, Oancea SC and Sens MA

The NDSCR Provides Training to Certified Tumor Registrars

11<sup>th</sup> Annual ND INBRE Undergraduate Research Symposium, Oct 2019