

SCHOLARLY PRODUCTS 2013
ND INBRE: HEALTH AND THE ENVIRONMENT
P20GM103442-13

POSTERS (undergraduates are underlined)

Minot State University

Lee HJ, Aguilar KK, Shipunov A. Phylogeny of plantains (*Plantago* L., Plantaginaceae).
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Glaser J, Keller C. Estimating the Onset of Heavy Metal Toxicity in *Arabidopsis thaliana*
Through the Use of High Resolution Root Growth Measurements.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Wagner SL, Roise AM, Zerr JRM, Heuschele J, Cohenand J, Keller CP. Indole-3-Acetic Acid
(IAA) Does Not Induce Increased Abscisic Acid (ABA) Synthesis in Expanding *Arabidopsis*
Leaves.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Wagner SL, Keller CP. Differences in Ion Fluxes by Roots of Two Different Species of
Arabidopsis detected using a Self-Referencing Ion-Selective Microelectrode Recording (SRISE)
Station.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Collins JA, Namanny H, Bobyleva LI, Bobylev MM. Distribution of the products in the rapid
synthesis of N-(4-isopropylbenzyl)formamide.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.
8th Annual Northwest Regional Undergraduate Affiliate Network Meeting.
2013 Minot State University Research Poster Session.

Dockter KA, Bobyleva LI, Bobylev MM. Rapid synthesis of N-(2-hydroxybenzyl)formamide.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.
247th ACS National Meeting, March 16 - 20, 2014
8th Annual Northwest Regional Undergraduate Affiliate Network Meeting.

Fick MA, Uran LW, Frederick DM, Bobyleva LI, Bobylev MM. Distribution of the products in
the rapid synthesis of N-(4-t-butylbenzyl)formamide.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.
247th ACS National Meeting, March 16 - 20, 2014.
8th Annual Northwest Regional Undergraduate Affiliate Network Meeting.

O'Keefe K, Collins JA, Richardson A, Bobyleva LI, Bobylev MM. Acetamide as a solvent in
the rapid synthesis of N-(4-chlorobenzyl)formamide.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

247th ACS National Meeting, March 16 - 20, 2014.
8th Annual Northwest Regional Undergraduate Affiliate Network Meeting (Travel Award Winner).
105th North Dakota Academy of Science Annual Meeting.
2013 Minot State University Research Poster Session.

Morse AL, Bobyleva LI, Bobylev MM. Rapid synthesis of N-(3-pyridylmethyl)formamide.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.
247th ACS National Meeting, March 16 - 20, 2014

Olson SW, Bobylev MM. Microwave-assisted synthesis of N-(4-chlorobenzyl)formamide.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.
247th ACS National Meeting, March 16 - 20, 2014.
8th Annual Northwest Regional Undergraduate Affiliate Network Meeting.

Falkenberg MA, Bauer AW, Bobyleva LI, Bobylev MM. Distribution of the products in the rapid synthesis of N-(2,4-dichlorobenzyl)formamide.
8th Annual Northwest Regional Undergraduate Affiliate Network Meeting.
2013 Minot State University Research Poster Session.

Hartman JR, Bobylev MM. Application of the accelerated Leuckart reaction to benzene-1,4-dicarboxaldehyde.
2013 Minot State University Research Poster Session.

Mayville State University

Kawalski T, Longtin HJ, McDonald M, Ghavami V, Hossain KG. Influence of Elevated Fe, Zn, and Cd on Ligand Binding Specificity and Stability during Uptake and Translocation of Minerals in Wheat.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

McDonald M, Longtin HJ, Kawalski T, Kalavacharla V, Hossain KG. Influence of Fe, Zn, and Cd on uptake and translocation of mineral elements in common bean.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.
BIC Biennial Meeting, Portland, OR.

Biggane JP, Russell WE, Ness H, Gonnella TP. NADH Fluorescence Lifetime Analysis of the Effect of Substrate Size on the Abortive Pathway for Mitochondrial Aldehyde Dehydrogenase.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Russell WE, Biggane JP, Ness H, Gonnella TP. NADH Fluorescence Lifetime Analysis of the Effect of Substrate Size on the Distribution of Bound NADH Conformations for Cytosolic Aldehyde Dehydrogenase.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Valley City State University

Bilski J, Berens J, Dissette N, Dobmeier A, Farnsworth A, Fergel A, Gang D, Hager A, Hoggarth C, Ilogu C, Kraft C, Kyei-Asare F, Lander M, Meyer B, McLean E, McLean K, Nelson E, Ostgarden J, Scheen A, Soumaila F, Zimmer P, Jacob D. North Dakota INBRE program at VCSU: the example of bridging teaching, research, and career advancement of undergraduate students.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Bilski J, Kraft C, McLean E, Soumaila F, Hoggarth C, Meyer B, Scheen T, Jacob D. Leaching of selected, potentially harmful trace elements from coal fly ash (FA).

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Fergel A, Jacob D, Kraft C, Nelson E, Farnsworth A, Bilski JJ. Preliminary study of the phytoremediatory potential of barley grown on coal fly ash (FA) based media.

Proceedings of the 105th Annual meeting of North Dakota Academy of Science, 2013.

Bilski JJ, Jacob D, McLean E, Soumaila F, Kraft C, Fergel A, Nelson E, Farnsworth A, Lander M. Leaching of selected trace elements, from coal fly ash (FA) depending on amelioration.

Proceedings of the 105th Annual meeting of North Dakota Academy of Science, 2013.

Dickinson State University

Burgess LC. The Effects of Organic Pollutants in Soil on Human Health.

European Geosciences Union General Assembly 2013 Vienna, Austria

Burgess LC. The 2012 Fungal Meningitis Outbreak in the United States: Connections Between Soils and Human Health.

European Geosciences Union General Assembly 2013 Vienna, Austria

Turtle Mountain Community College

Best LG, Anderson CM, Falcon GF, Martin CM, Keplin K, Pearson N, Lamb F, Keating BJ. Variants of the Mannose Binding Lectin Gene (*MBL2*) are Not Associated with Risk of Pre-Eclampsia in an American Indian Population.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Best LG, Saxena R, Anderson CM, Barnes MR, Hakonarson H, Falcon G, Martin C, Almoguera B, Karumanchi A, Keplin K, Pearson N, Lamb F, Bercier S, Keating BJ. Two Variants of the C-Reactive Protein gene (*CRP*) are Associated with Risk of Pre-Eclampsia in an American Indian Population.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

LaVallie A, Sanquist E, Somji S, Sens DA. The Solute Carrier SLC16A14 and the Neuroregulatory SLITRK6 Genes as Possible Biomarkers for Bladder Carcinomas.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Cankdeska Cikana Community College

Gourneau L, Somji S, Sens DA, Voels B, Sandquist E, Slusser A, Garrett SH. Gene Expression of FAM189B in MT3-Transfected HK-2 Immortalized Human Proximal Tubule Cells & MCF-7 Breast Cancer Cells.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

North Dakota State University

Wrage J, Ljepoja D, Saini-Eidukat B, Shafiqur R, Borhan MD. Quantification of Road Dust in western North Dakota.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Salem S. Mining maximal frequent module sets from multiple human gene expression data sets.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Steffen AL. Use of a GIS/stratigraphic model to predict zones of elevated trace element concentrations in soils derived from Cretaceous Pierre Shale on the Pembina Escarpment, Cavalier County, North Dakota.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Jacob DL, Otte ML, Hopkins DG, Saini-Eidukat B. Accomplishments of the Metal Analysis Core 2009-2013.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Tracy M, Kissoon LT, Peterson N, Jacob DL, Otte ML. Cadmium uptake by *Lemna minor*: mass balance comparison of cadmium content in soil, water, and plants.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Passolt H, Werkmeister C, Otte ML, Jacob DL, Cihacek L. Past and Present Metal Composition of Disturbed and Undisturbed Wetland Soil.

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Jacob DL, Otte ML, Borchardt J, Bezbaruah A. Wetlands and phytoremediation of nanoparticle metals.

10th International Phytotechnology Conference, October 2013.

Kissoon LT, Peterson N, Jacob DL, Otte ML. Potential for Cd uptake by *Lemna minor* from cadmium-contaminated sediments: a mass balance approach.

10th International Phytotechnology Conference, October 2013.

Salem S, Ozcaglar C. MFMS: Maximal frequent module set mining from multiple human gene

expression data sets.

Proceedings of the 12th International Workshop on Data Mining in Bioinformatics, (BIOKDD'13; in conjunction with ACM KDD.13), August 2013.

University of North Dakota

Bowker W, Laturus D, Albrecht K, Young K, Chhoun J, Carlson E. Cell Specific Targeting of Metallothionein Eliminates Glomerular and Myocardial Capillary Basement Membrane Thickening in Transgenic Diabetic Mice.

2013 UND SMHS Summer Undergraduate Research Symposium

Walker A, Safratowich B, Hossain M, Carvelli L. Amphetamine causes trans-generation behaviors by inducing epigenetic modifications.

2013 UND SMHS Summer Undergraduate Research Symposium

Lim WZ, Snyder SD, Crawford NF, Tkach EA, Nour SI, Cain JT, Darland DC. In Vitro Model of Neural Stem Cell Proliferation, Differentiation & Migration: Growing a Brain in a Dish.

2013 UND SMHS Summer Undergraduate Research Symposium

Stevens SC, Cain JT, Tkach EA, Darland DC. Analyzing Differentiating Neural Stem Cells in Vegf Isoform Mouse Forebrain.

2013 UND SMHS Summer Undergraduate Research Symposium

Wilkie LN, Rhen TE, Newman R, Flom M, Cain G, Snyder SD, Darland DC. Effects of elevated salinity on early brain development in the amphibian, *Rana sylvatica*.

2013 UND SMHS Summer Undergraduate Research Symposium

Krueger S, Dhasarathy A. Determining Interaction Partners of the transcriptional repressor Snail in Cancer Cells.

2013 UND SMHS Summer Undergraduate Research Symposium

Cooper A, Thorsen A, Collette KM, Perez DM, Doze VA. Loss of function of the α_{1A} adrenergic receptor impairs learning and memory and increases anxiety in mice.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Hansen S, Nielsen A, Goldenstein B, Perez DM, Doze VA. The α_{1A} Adrenergic Receptor May Mediate Exercise-induced Neurogenesis.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Mosher WE, Rufsvold QA, Collette KM, Grove BD, Perez DM, Doze VA. Evaluation of Different Tissue Clearing Methods for Deep Tissue Imaging.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Boger B, Klinger A, Dunlevy JR. Expression of TSPAN12 and CNTN1 in Arsenite (As⁺³)- and Cadmium (Cd⁺²)-Transformed UROtsa Cells.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Klinger AR, Larson JL, Slusser A, Zhou XD, Somji S, Dunlevy JR. Identification of a Candidate Gene Underlying the Small Eye SPARC Expression in Heterotransplants from UROtsa Cells Stably Transfected and Selected for Over Expression of SPARC.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Kurtz SB, Klinger A, Dunlevy JR. FREM2 and PSG5 Expression in Human Bladder Cells (UROtsa) Malignantly Transformed by Arsenic or Cadmium.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

McCullough KJ, Klinger AR, Dunlevy JR. PTN and DSEL Expression in Human Bladder Cells (UROtsa) Malignantly Transformed by Arsenic or Cadmium.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Morin KJ, Klinger AR, Dunlevy JR. ARPC4 and EPB41L2 mRNA Expression in Cadmium and Arsenic Transformed UROtsa Bladder Cells.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Espe A, Nadeau G, Bordeaux M, Owens D, Stanislawski DJ, Moritz AE, Vaughan RA, Foster JD. Analysis of Palmitoylation in an ADHD-Associated Dopamine Transporter Mutant.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Nadeau G, Espe A, Bordeaux M, Owens D, Stanislawski DJ, Vaughan RA, Foster JD.

Membrane Permeable N-Terminal DAT-TAT Fusion Peptide Synthesis for Analysis of DAT Regulation and Function.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Holmquist A, Slusser A, Sens DA, Garrett SH. The Recruitment of Wnt and BMP-2 Signaling Pathways by Accumulating Cadmium in Human Proximal Tubule (HPT) Cells and the Downstream Induction of Epithelial to Mesenchymal Transition.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Gourneau L, Somji S, Sens DA, Voels B, Sandquist E, Slusser A, Garrett SH. Gene Expression of FAM189B in MT3-Transfected HK-2 Immortalized Human Proximal Tubule Cells & MCF-7 Breast Cancer Cells.

2013 UND SMHS Summer Undergraduate Research Symposium

Jenstead NA, Slusser A, Sens DA, Garrett SH. The Expression of ARHGDI1 in an In-Vitro Differentiation System in Human Proximal Tubule Cells Over - Expressing MT-3.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Lashley E, Slusser A, Sens DA, Voels B, Garrett SH. The Expression of the Mincle Gene in renal proximal tubule cells and its potential role in the maintenance of epithelial morphology.

2013 UND SMHS Summer Undergraduate Research Symposium

LaVallie A, Sandquist E, Somji S, Sens DA. The Solute Carrier SLC16A14 and the Neuroregulatory SLITRK6 Genes as Possible Biomarkers for Bladder Carcinomas.

2013 UND SMHS Summer Undergraduate Research Symposium

Stein T, Sandquist E, Slusser A, Sens DA, Garrett SH. Expression of PLEC in an *in vitro* system of Proximal Tubule Differentiation and Epithelial-Mesenchymal Transition.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Williamson M, Slusser A, Voels B, Sens DA, Scott Garrett SH. MMP1 in MT3-Transfected and Cadmium-Treated Renal and Breast Epithelial Cells.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Azure WB, Gray JS, Lindgren H and Native Health Research Team.

Factors Affecting Quality of Life among Northern Plains Indians.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Herman T, Gray JS, Lindgren H, Davis J and the Native Health Research Team. Differential Diagnosis with the SASSI-3 among Northern Plains Indians.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

LeBeau G, Gray JS, Lundgren H, Davis J. Reliability and Validity of the BHS with Northern Plains Indians.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Martin R, Gray JS, Davis J. Tribal Food Deserts and Food Insecurity in Northern Plains.

2013 UND SMHS Summer Undergraduate Research Symposium

5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Rainbow D, Carter P, Baker-Demaray T, Gray JS, Davis J, Lindgren H. Positive Aspects of Grandparent Caregiving in Indian Country.

2013 UND SMHS Summer Undergraduate Research Symposium
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Maliske B, Schott M, Grove B. Mutation of calmodulin binding sequence results in loss of gravin localization at the plasma membrane.
2013 UND SMHS Summer Undergraduate Research Symposium

Schlenvogt J, Meberg P. Cofilin knockdown increases ADF activity.
2013 UND SMHS Summer Undergraduate Research Symposium

Rondeau C, Chevalier A, Rosenberger TA. Triacetin increases brain ethanolamine and choline glycerophospholipid levels in mice subjected to experimental autoimmune encephalomyelitis.
2013 UND SMHS Summer Undergraduate Research Symposium
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Johnson K, Johnston T, Prout B, Hansen J, Hepper D, Muhonen W, Shabb J. Partial Purification of FAM129B from MCF10A: Human Breast Epithelial Cells.
2013 UND SMHS Summer Undergraduate Research Symposium

Johnson K, Johnston T, Prout B, Hansen J, Hepper D, Muhonen W, Shabb J. Partial Purification of FAM129B from Mouse Lung.
2013 UND SMHS Summer Undergraduate Research Symposium

Milbridge A, Sandquist E, Sens DA, Somji S. Expression of ITMC2C in As+3 and Cd+2 transformed UROtsa cells and their corresponding tumor heterotransplants.
2013 UND SMHS Summer Undergraduate Research Symposium
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Titcomb T, Sandquist E, Sens DA, Somji S. Expression of EPHA4 in Arsenite and Cadmium transformed UROtsa cells and their corresponding tumor heterotransplants.
2013 UND SMHS Summer Undergraduate Research Symposium
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Lai H, Lyons L, Zhuang Y, Ye Y, Li X, Wu M. Cytotoxicity of Gd@C82 Serves as a Novel Antimicrobial Agent for Preventing *Pseudomonas aeruginosa* Infection.
2013 UND SMHS Summer Undergraduate Research Symposium

Keith B, Rasmussen D, Zhou L, Xie L. Reversion from a high-fat diet to a prenatal normal diet could delay the incidence of insulin resistance induced by postnatal high fat diet in female offspring.
2013 UND SMHS Summer Undergraduate Research Symposium

Keith B, Zhou L, Xie L. PPAR-gamma is Required in the Myocardium for Outflow Tract Development.
2013 UND SMHS Summer Undergraduate Research Symposium
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Zhou L, Xie L. Gata4 is Required in the Second Heart Field for Atrial Septation
2013 UND SMHS Summer Undergraduate Research Symposium

Rodemeyer P, Hammond N, Zhang K. Identifying functional gene variation using time-course global gene expression profiles.
2013 UND SMHS Summer Undergraduate Research Symposium
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Yang Y, Zhou L, Xie L, Zhang K. A genomic study of atrial septal defects using RNA-Seq in transgenic mouse lines.
2013 UND SMHS Summer Undergraduate Research Symposium
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

McCowan T, Safratowich B, Carvelli L. Amphetamine exposure during development causes epigenetic trans-generational changes in drug sensitivity in *Caenorhabditis elegans*.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Lim WZ, Snyder SD, Crawford NF, Tkach EA, Nour SI, Cain JT, Darland DC. In Vitro Model of Neural Stem Cell Proliferation, Differentiation & Migration: Growing a Brain in a Dish.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Snyder SD, Cain JT, Crawford NF, Nour SI, Darland DC. Vascular endothelial growth factor (Vegf) regulation of neural stem cell fate choice in developing cortex.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Stevens SC, Cain JT, Tkach EA, Darland DC. Analyzing Differentiating Neural Stem Cells in Vegf Isoform Mouse Forebrain.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Wilkie LN, Rhen TE, Newman R, Flom M, Cain G, Snyder SD, Darland DC. Effects of elevated salinity on early brain development in the amphibian, *Rana sylvatica*.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Espinoza AM, Longie RA, Poitra SL, Seiler JA, Mersereau EJ, Darland T. How pre-exposure to cocaine affects adult behavior and physiology in zebrafish.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Doze VA, Conway P, Olimb S, Wages J, Sens DA, Cisek K. Impact of Summer Research Experiences on Educational & Career Paths of Rural & Tribal Undergraduate Students.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Cisek K, Conway P, Wages J, Sens DA, Doze V, Olimb S. Factors Contributing to Recruiting Students into Health and Science Career Paths.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Goldenstein B, Perez D, Doze VA. Activation of the α 1A-Adrenergic Receptor Rescues

Negative Effects of Neurogenesis Ablation on Learning & Memory.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Jeno ME, Klinger AR, Somji S, Dunlevy JR. Expression of the Extracellular Matrix Protein SPARC in Breast Cell Lines.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Davis BA, Garrett SH, Sens DA, Somji S. Glucose treated HPT cell line show an increased expression of Polyol Pathway's enzymes.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Sandquist E, Somji S, Sens DA, Garrett SH. N-cadherin upregulation in As³⁺ and Cd²⁺-transformed urothelial cells.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Slusser A, Bathula C, Dunlevy JR, Shabb J, Somji S, Sens DA, Garrett SH. Identification of metallothionein-3 interacting proteins in human proximal tubule cells.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.
Society of Toxicology Meeting, San Antonio, 2013.

Van Gieson JL, Garrett SH, Sens DA, Somji S. Increased Expression of the Proto-Oncogene Anterior Gradient 2 in the MCF-10A Cell Line by Arsenite Exposure.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Voels B, Garrett SH, Somji S, Sens DA. The Unique N and C-Terminal Domains of Metallothionein-3 Influence the Growth and Differentiation of MCF-7 Breast Cancer Cells.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.
Society of Toxicology Meeting, San Antonio, 2013.

Zheng Y, Zhou XD, Oancea C, Knell M, Sens MA. The North Dakota Statewide Cancer Registry Data for Cancer Research and Public Health.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Ye Y, Li X, Wang W, Quedraogo KC, Zhou X, Wu M. Atg7 suppresses inflammatory responses in *Klebsiella pneumoniae*-infected mice by regulating the p38/IκB/NF-κB circuit.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Clarke K, Xi B, Logan T, Zhou XD, Sens DA, Sens MA, Zhang KK. Satellite derived aerosol optical depth and cancer incidence.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Weichel B, Tronnes J, Zhang KK. RNA Sequencing Suggests Importance of NBPF Genes in Neuroblastoma.
5nd Annual ND INBRE Undergraduate Research Symposium, October 2013.

Rastedt DE, Foster JD, Vaughan RA. Identification of dopamine transporter palmitoyl

acyltransferases.
Society for Neuroscience, 2013.

Rastadt D, Vaughan RA, Foster JD. Modulation of dopamine transporter function by palmitoyl acyltransferases.
ISN Satellite Conference: The Brain in Flux. April 2013, Cancun, Mexico.

Klinger AR, Jeno ME, Wilt KJ, Hewitt HM, Zhou X, Somji S, Garrett SH, Sens DA, Dunlevy JR. Fibronectin expression in human bladder cells exposed to or malignantly transformed by arsenic or cadmium.
Society of Toxicology Meeting, San Antonio, 2013.

Mehus AA, Shabb JB, Muhonen WW, Garrett SH, Somji S, Sens MA, and Sens DA. Relative and absolute quantification of Metallothionein isoforms in human kidney cells using stable isotope labeling of cysteines and MALDI-TOF/TOF mass spectrometry.
Society of Toxicology Meeting, San Antonio, 2013.

Poitra S, Longie R, Espinoza A, Seiler J, Mersereau E, Darland T. How Pre-exposure to Cocaine Affects Adult Behavior and Physiology in Zebrafish.
Native American Research Centers for Health (NARCH) Undergraduate Research Forum, Aberdeen SD, 2013.

Sandquist E, Challasivakanaka S, Sukalski KA, Shabb JB (2013) Lecture-free student-centered learning in a large-enrollment biochemistry course: Assessment of student engagement, perceptions, and learning outcomes.
American Society for Biochemistry and Molecular Biology, Seattle, 2013.