

SCHOLARLY PRODUCTS 2010
ND INBRE P20RR016471-10

POSTERS (undergraduates are underlined)

Minot State University

Kraft A, Winburn N, Winburn R, Cabarle K, Christopher Beachy C. Cadmium tissue integration in the western tiger salamander, *Ambystoma mavortium*, in northwest North Dakota wetlands. 2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Beachy, CK, Sweet J, Lichtenberger K, Reed K, Cabarle KC, Winburn R, Page RB, Voss SR. Cd²⁺ Uptake and Gene Expression in Salamander and Biomonitoring in an Agricultural Landscape. 3rd Biennial National IDeA Symposium on Biomedical Research Excellence. NIH, 2010.

Sweet J, Beachy C. Educational and conservation outreach provided by the Amphibian Growth Project website. 2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Burckhard BA, Bobylev MM. Rapid synthesis of N-[1-(4-methoxyphenyl)ethyl]formamide. 2nd Annual ND INBRE Undergraduate Research Symposium, 2010. Sixth Annual Northwest Regional Undergraduate Affiliate Network Meeting "Undergraduate Research in the Molecular Sciences (URMS)", 2010

Hedges J, Bobylev MM. Rapid synthesis of N-methyl-N-(4-dimethylaminobenzyl)formamide. 2nd Annual ND INBRE Undergraduate Research Symposium, October 2010. NIH, NCCR Third Biennial National IDeA (Institutional Development Award) Symposium of Biomedical Research Excellence (NISBRE), 2010. Sixth Annual Northwest Regional Undergraduate Affiliate Network Meeting "Undergraduate Research in the Molecular Sciences (URMS)", 2010.

Nkuni Y, Bobylev MM. Rapid synthesis of N-(1-naphthylmethyl)formamide. 2nd Annual ND INBRE Undergraduate Research Symposium, October 2010. Sixth Annual Northwest Regional Undergraduate Affiliate Network Meeting "Undergraduate Research in the Molecular Sciences (URMS)", 2010.

Namanny H, Bobylev MM. Rapid synthesis of N-(4-isopropylbenzyl)formamide. 2nd Annual ND INBRE Undergraduate Research Symposium, October 2010. Sixth Annual Northwest Regional Undergraduate Affiliate Network Meeting "Undergraduate Research in the Molecular Sciences (URMS)", 2010.

Sansaver JMM, Bobylev MM. Rapid synthesis of N-methyl-N-piperonylformamide. 2nd Annual ND INBRE Undergraduate Research Symposium, October 2010. Annual Biomedical Research Conference for Minority Students (ABRCMS), 2010. NIH, NCCR Third Biennial National IDeA (Institutional Development Award) Symposium of

Biomedical Research Excellence (NISBRE), 2010.
Sixth Annual Northwest Regional Undergraduate Affiliate Network Meeting "Undergraduate Research in the Molecular Sciences (URMS)", 2010.

Uran L, Bobylev MM. Rapid synthesis of N-[1-(1-naphthyl)ethyl] formamide.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
NIH, NCRR Third Biennial National IDeA (Institutional Development Award) Symposium of Biomedical Research Excellence (NISBRE), 2010.
Sixth Annual Northwest Regional Undergraduate Affiliate Network Meeting "Undergraduate Research in the Molecular Sciences (URMS)", 2010.

Uran L, Fredrich DM, Bobylev MM. Rapid synthesis of N-(4-t-butylbenzyl)formamide.
2nd Annual ND INBRE Undergraduate Research Symposium, October 2010.
2011 Research Poster Session, 2011.
Sixth Annual Northwest Regional Undergraduate Affiliate Network Meeting "Undergraduate Research in the Molecular Sciences (URMS)", 2010.

Burckhard B, Roise AM, Keller C. Use of High Resolution Root Growth Measurement to Estimate the onset of Heavy Metal Toxicity in Arabidopsis thaliana.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Diede D, Keller C. Establishing a Self-Referencing Ion-Selective Microelectrode Recording Station for Evaluation of Changes in Ion Fluxes Resulting from Heavy Metal Treatment of Arabidopsis Roots.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Grundstad M, Evanoff M, Keith JD, Lentz D, Culler A, Cohen J, Keller C. Further Evidence that Indole-3-Acetic Acid-Induced Leaf Blade Expansion in Arabidopsis by Requires Both Wounding and Detachment.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Roise AM, Keller C. Is Abscisic Acid the root derived controller of Indole-3-Acetic Acid-Induced Leaf Blade Expansion in Arabidopsis?
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Schittko U, Block D, Hermsmeier D. Cadmium Accumulation in Nectar and Pollen of Canola (Brassica napus).
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Finlayson T, Wallery J, Beachy C, Super H. Development of PCR assays of cadmium-induced transcription in axolotl (Ambystoma mexicanum).
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Keller CP, Grundstad ML, Evanoff MA, Lentz DS, Culler AH, Cohen JD. Indole-3-Acetic Acid-Induced Leaf Blade Expansion in Arabidopsis Requires Both Wounding and Detachment.
Third Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), 2010.

Roise AM, Seil JE, Meyer MJ, Fishpaw TK, Keller CP. Towards an Understanding of Heavy Metal Uptake and Transport in Arabidopsis.
Third Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), 2010.

Super, HJ. Knockdown of Expression of the MLL-AF9 Fusion Gene in the MM6 Cell Line: Effects on Downstream Target Genes and Cell Growth.
Proceedings of the National IDeA symposium of Biomedical Research Excellence (2010) IDeA meeting.

Young Z, Bobylev MM. Rapid synthesis of piperonylformamide.
NIH, NCRR Third Biennial National IDeA (Institutional Development Award) Symposium of Biomedical Research Excellence (NISBRE), 2010.

Valley City State University

McLean E, Lander M, Soumaila F, Hager AJ, Dobmeier A, Bilski J. Amelioration of coal ash by phytoremediation using additives: peat moss, vermiculite, and sand.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Soumaila F, Mclean E, Hager A, Dobmeier A, Bilski J. Utilization of different rates of coal fly ash in fly ash/soil plant growth media.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Dickinson State University

Burgess L, Bhobho T, Murray J, McCoy M. Changes to Connexin Expression in Metallothionein-3 Positive and Negative Human Proximal Tubule Cells after Cadmium Treatment.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Mayville State University

Keating JM, Gonnella TP, Thomasson KA. Investigation of NADH Channeling between Glyceraldehyde-3-Phosphate Dehydrogenase and Lactate Dehydrogenase from Rabbit Muscle.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Aaland A, Jespersen K, DeLong H, Gates L, Hossain K. Anthocyanin activity in common bean.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

DeLong H, Crawford H, Berthold J, Gates L, Jespersen K, Aaland A, Hossain K. Identification and tracking of health related minerals and antioxidant in Common Bean.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

DeLong, H, Gates L, Berthold J, and Hossain KG. Localization of Antioxidant Activity in Common Bean.

NISB Symposium, 2010.

Turtle Mountain Community College

Davis K, Bercier S, Davis J, Poitra S, Anderson CM, Best LG. Lack of Relationship Between Measures of Endothelial Function, History of Pre-eclampsia and Genetic Variants.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

8th Annual American Indian Health Research Conference, 2010.

Cankdeska Cikana Community College

Azure L. The Impact of Ethnomathematics on American Indian Students at Cankdeska Cikana Community College.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

8th Annual American Indian Health Research Conference, 2010.

Falcon Conference, 2010.

Conway P, Halsey A, McDonald L, Lindquist C. Assessing Student Health Status for Program Development.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

8th Annual American Indian Health Research Conference, 2010.

Azure, L. The impact of Native American culture on mathematics achievement at a Dakota tribal college.

AISES Conference, 2010.

North Dakota State University

Yellick AH, Sullivan RD, DeKeyser ES, Hargiss CLM, Jacob DL, Otte ML. Multi-element fingerprinting of soils: a tool for classification and quality assessment of wetlands.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Brewer JE, Al-Nemer L, Salem S. Clustering Attributed Graphs Using Random Walks.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Cheng W, Ahuja S, Yan C. Predicting The 3D Structure Of The Helical-Bundle Of Transmembrane Proteins.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Kissoon L, Jacob DL, Otte ML. Accumulation of Cu, Fe and Zn in the root zone and plant material of *Typha angustifolia*.

7th Annual Northern Plains Biological Symposium, Fargo ND, 2010.

Yellick AH, Otte ML, Jacob D, Hargiss CLM, DeKeyser ES. Rapid chemical assessment of wetlands by multi-element fingerprinting: current progress in wetland assessment.

7th Annual Northern Plains Biological Symposium, Fargo ND, 2010.

Borchardt J, Jacob DL, Otte ML. Do titanium oxide nanoparticles affect element composition of the aquatic plant *Elodea canadensis*?

7th Annual Northern Plains Biological Symposium, Fargo ND, 2010.

Wijeyaratne D, Jacob DL, Otte ML. Chemical fingerprinting and determination of tributary contribution of trace elements in the upper Souris River, ND.

7th Annual Northern Plains Biological Symposium, Fargo ND, 2010.

Jyoti, V, Saini-Eidukat B, Hopkins D, DeSutter T. Geochemical characteristics of cadmium-rich soils of the Pembina Escarpment, North Dakota.

56th Annual Meeting, Institute on Lake Superior Geology Proceedings, 2010.

Triplett J, Saini-Eidukat B, Feit S, Dolezal D. Identification and characterization of fibrous zeolites in western North Dakota.

56th Annual Meeting, Institute on Lake Superior Geology Proceedings, 2010.

Triplett J, Saini-Eidukat B, Feit S, Dolezal D. Microprobe analysis of erionite, Killdeer Mountains, North Dakota.

Geological Society of America Abstracts, 2010.

Otte ML, Hopkins D, Jacob DL. Plants affect element mobility in soils: consequences for phytostabilization and tropic transfer.

Third Biennial National IDEa Symposium of Biomedical Research Excellence, 2010.

Kissoon L, Jacob DL, Hanson MA, Herwig BR, Bowe SE, Otte ML. Variation in aquatic plant communities in shallow lakes: relationship with biogeochemistry?

ND EPSCoR State Conference, 2010.

Otte ML, Yellick AH, DeKeyser ES, Hargiss CLM, Jacob DL. Multi-element fingerprinting of soils for classification and quality assessment of wetlands.

EPA Region 8 Wetland Program Building Capacity Workshop, 2010.

Yellick AH, Sullivan RD, DeKeyser ES, Christina L.M. Hargiss CLM, Jacob DL, Otte ML. Multi-element fingerprinting of soils: a tool for classification and quality assessment of wetlands. 2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Jacob DL, Otte ML. Activities of the ND INBRE metal analysis core.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Jacob DL, Otte ML, Saini-Eidukat B, Hopkins D. Capabilities of the ND INBRE metal analysis core.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Hopkins D, Saini-Eidukat B. Reconnaissance-scale Studies of Metal Enriched Soils in Northeastern North Dakota-Part 1.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Saini-Eidukat B, Hopkins D, DeSutter T, Jyoti V, Feit T, Ginsbach M. Reconnaissance-scale Studies of Metal Enriched Soils in Northeastern North Dakota – Part 2.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Wijeyaratne D, Jacob DL, Otte ML. Chemical fingerprinting and determination of tributary contribution of trace elements in the Souris River, ND.

2010 Eastern South Dakota Water Conference, 2010.

University of North Dakota Native American Research Team

Azure J, Gray J. The Association Between Physical Activity and Chronic Diseases in Northern Plains Tribal Indians.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

8th Annual American Indian Health Research Conference, 2010.

Champagne J, Gray JS. Pre- and Post-Colonial Diet Analysis Of The Northern Plains Tribes.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

8th Annual American Indian Health Research Conference, 2010.

UND Summer Research Poster Session, 2010.

Eastman S, Gray J. The Role of Spirituality in Mental Illness among Northern Plains Native Americans.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

8th Annual American Indian Health Research Conference, 2010.

UND Summer Research Poster Session, 2010.

Wheeler M, Gray J. Incidence of Alcohol and Other Drug (AOD) Use by Northern Plains Indians vs. the General U.S. population.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

8th Annual American Indian Health Research Conference, 2010.

UND Summer Research Poster Session, 2010.

Conway P, Hanson B, Wages J, Cisek K, Doze V, Sens D. The UND Summer Research Experience.

8th Annual American Indian Health Research Conference, 2010.

Martin D, Yurkovich E, Anderson K, Young A. The dreaded diabetes: Fear and knowledge translation within Native American Indian families.

8th Annual American Indian Health Research Conference, 2010.

Mudgett M, Gray J. The Relationship of Rumination to Anxiety, Depression, & Substance Abuse among Northern Plains Indians.

UND Summer Research Poster Session, 2010.

University of North Dakota

Conway P, Hanson B, Wages J, Cisek K, Doze V, Sens DA. The UND Summer Research Experience.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Butler M, Veness J, Collete K, Hasselton J, Perez D, Doze V. The α_{1A} and α_{1B} Adrenergic Receptors' Role in Novel Object Recognition Experiment for Mice.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

UND Summer Research Poster Session, 2010.

Collette K, Hurt CC, Perez DM, Doze VA. Chronic α_{1A} Adrenergic Receptor Stimulation Increases Lifespan in Mice.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

UND Summer Research Poster Session, 2010.

ND EPSCoR, 2010.

Fossen A, McGuire S, Davis B, Collette K, Haselton J, Perez D, Doze V. Chronic α_{1A} Adrenergic Receptor Stimulation Reduces Anxiety-Like Behaviors in Older Mice.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

UND Summer Research Poster Session, 2010.

ND EPSCoR, 2010.

Goldenstein B, Lyons M, Wood S, Nelson B, Fagerlie R, Hurt C, Haselton J, Perez D, Doze V. 1α Adrenergic Receptors Enhance Learning and Memory in Adult Mice.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

ND EPSCoR, 2010.

Heller E, Overmoe E, Sens D, Doze V. The Effect of Cadmium on Adult Neurogenesis and Apoptosis.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

UND Summer Research Poster Session, 2010.

ND EPSCoR, 2010.

Lyons MJ, Young ZZ, Sagen NM, Haselton J, Perez D, Doze V. α_{1A} Adrenergic Receptors and Ablation of Neurogenesis.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

UND Summer Research Poster Session, 2010.

Lyons M, Hurt C, Goldenstein B, Wood S, Nelson B, Fagerlie R, Haselton J, Perez D, Doze V. α_{1A} Adrenergic Receptors Enhance Learning and Memory in Adult Mice.

UND Summer Research Poster Session, 2010.

ND EPSCoR, 2010.

Mischell R, Gonzalez C, Collette K, Perez D, Doze V. Norepinephrine Differentially Regulates Depression in Older Mice through Activation of α_{1A} - and α_{1B} -Adrenergic Receptors.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
ND EPSCoR, 2010.
ASBMB Regional Meeting, 2012.

Walery M, Nelson B, Goldenstein B, Perez D, Doze V. Chronic α_{1A} -AR Activation May Enhance Synaptic Plasticity.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
UND Summer Research Poster Session, 2010.

Fulsebakke BL, Larson JL, Dunlevy JR. Connective Tissue Growth Factor and Tenascin C Expression in Normal and Transformed UROtsa Bladder Cells.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
UND Summer Research Poster Session, 2010.

Larson JL, Somji S, Zhou XD, Garrett SH, Sens DA, Sens MA, Dunlevy JR. SPARC Expression in Normal and Transformed UROtsa Bladder Cells.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Sherman AZ, Larson JL, Dunlevy JR. Expression of Hevin and Thrombospondin-1 in Normal and Transformed UROtsa Bladder Cells.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
UND Summer Research Poster Session, 2010.

Canine JL, Somji S, Sens MA, Sens DA, Garrett SH. Expression of Arginase II in Human Urothelial Cells (UROtsa) Exposed and Malignantly Transformed by Cadmium or Arsenite.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Hunt J, Sens DA, Somji S, Garrett SH. Role of Wnt and MT-3 in the Renal Proximal Tubule Epithelial to Mesenchymal Transition and Fibrosis.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
UND Summer Research Poster Session, 2010.

Zollen I, Zhang P, Pavlish K, Newman AH, Henry LK. Use of Citalopram Analogs and Human Serotonin Transporter Mutants to Define Antidepressant Binding Interactions.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
UND Summer Research Poster Session, 2010.

Garrett SH, Somji S, Sens MA, Sens DA. The Comparison of Global Gene Expression in Acute and Chronic Cadmium Exposure in Cultures of Human Proximal Tubule Cells.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Voels B, Garrett SH, Somji S, Sens DA. The Epithelial-to-Mesenchymal Transition: Metallothionein-3-Mediated Control of E-cadherin Expression through E-box Promoter Elements.
2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Amornpan A, Garrett SH, Somji S, Zhou XD, Botsford T, Sens DA. Zinc/Cadmium transporter ZIP8 (SLC39A8) expression in normal and transformed cells of bladder, and in renal cortical tissue and derived cell culture.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Mehus A, Garrett SH, Shabb J, Sens DA. Identification of Metallothionein Isoforms in Human Prostate Cells Using RPLC and MALDI-TOF/TOF Mass Spectrometry.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Soh M, Garrett SH, Bathula C, Sens DA, Somji S, Sens MA. The effects of short term and long term As⁺³ and Cd⁺² exposures on the expression of human enolase isoenzymes in normal human breast epithelial (MCF-10A) cells.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Somji S, Zhou XD, Mehus A, Sens MA, Garrett SH, Dunlevy JR, Sens DA. Variation of Keratin 7 Expression and Other Phenotypic Characteristics of Independent Isolates of Cadmium Transformed Human Urothelial Cells (UROtsa).

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Talaat S, Somji S, Zhou XD, Sens DA, Garrett SH, Sens MA. Expression of Calbindin D28k in As⁺³ and Cd⁺²-transformed human urothelial cells (UROtsa).

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Zheng Y, Zhou XD, Garrett SH, Somji S, Sens DA, Sens MA. The Human Tissue Bank Core for the Assessment of Potential Prognostic Markers of Disease Outcomes.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Riedinger J, Pytlik M, Brule J, Anderson T, Shabb J. Expression, phosphorylation, and localization of the novel B-RAF target FAM129B/MINERVA in Human Melanoma and Breast Epithelial Cell Lines.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Cao L, Garrett SH, Sens DA, Sens MA, Zhou XD, Dunlevy JR, Somji S. Effect of EGF and Insulin on the Expression of Keratin 6 in Arsenite and Cadmium Transformed UROtsa Cells.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Li G-P, Fox J, Gaid M, Seeger D, Weaver A, Yuan K, Wu M. 8-oxoguanine DNA Glycosylase 1-Deficiency Modifies Allergic Airway Inflammation by Regulating Th2/Th1 Immune Response in Allergen-induced Airway Inflammation Mouse Model.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Yuan K, Fox J, Gaid M, Seeger D, Weaver A, Li G-P, Singh B, Wu M. Elevated inflammatory response is mediated by STAT3 and NF-κB in Caveolin 1 knockout mice following P. aeruginosa infection.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Cheng L, Zhang K. A Novel Method to Identify Cancer Subtypes Using DNA Copy Number Data.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
ND EPSCoR, 2010.

Clarke K, Garrett SH, Sens DA, Zhang K. Statistical analysis of longitudinal gene expression profiles in human proximal tubule cells with cadmium exposure.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.
ND EPSCoR, 2010.

Clark E, Felts B, Pavlish K, Henry LK. Impact of Mutations at the Second Sodium Site in the Human Serotonin Transporter On Ion Coupling.

UND Summer Research Poster Session, 2010.

Mulvaney R, Zhang K. Data Consistency Assessment with RNA-Seq Short Read Data.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Yang Y, Marsh R, Bergstrom A, Zhang K. Fast alignment of DNA Sequences with GPU Massive Parallel Programming.

2nd Annual ND INBRE Undergraduate Research Symposium, 2010.

Cymbaluk A, Kees E, Laturus D, Teiken J, Audette J, Zheng S, Epstein P, Carlson E. Overexpression of Metallothionein in Renal Podocytes Provides Renoprotection from Adriamycin Nephrotoxicity.

UND Summer Research Poster Session, 2010.

Velic A, Laturus D, Teiken J, Audette J, Zheng S, Epstein P, Carlson E. Protection Against Diabetes-Induced Left Ventricular Capillary Basement Membrane Thickening in OVE26 Transgenic Mice by Myocardial Specific Overexpression of Metallothionein.

UND Summer Research Poster Session, 2010.

Conway P, Cisek K. Evaluation of the Summer Research Experience.

UND Summer Research Poster Session, 2010.

Logsdon MM, Puig KL, Combs CK. Alzheimer's Associated Amyloid Precursor Protein Affects Tissue Macrophage and Microglial Levels.

UND Summer Research Poster Session, 2010.

Owens K, Rojanathamane L, Combs CK. Pomegranate Extract and Inflammation in Mouse Model of Alzheimer's Disease.

UND Summer Research Poster Session, 2010.

Hay C, Berosik AJ, Wilson JT, Darland DC. Molecular Regulators in Early Neurovascular Cerebellar Development.

UND Summer Research Poster Session, 2010.

One Feather BK, Yarusso K, Schaubhut G, Darland T, Darland DC. Cadmium Effects on Zebrafish Neurovascular Development.
UND Summer Research Poster Session, 2010.

Gonzalez C, Mischel R, Collette K, Perez D, Doze V. Norepinephrine Regulates Depression in Old Mice Through Activation of α 1A- and α 1B Adrenergic Receptors.
UND Summer Research Poster Session, 2010.

Sagen NM, Young ZZ, Lyons MJ, Haselton JR, Perez DM, Doze VA. Do α 1A-Adrenergic Receptors Mediate Behavior Through Neurogenesis?
UND Summer Research Poster Session, 2010.

Jeffrey NJ, Somji S, Garrett SH, Sens DA. Role of PAX2, 6, 8 and MT-3 in Renal Proximal Tubule Epithelial-to-Mesenchymal Transition and Cadmium Toxicity.
UND Summer Research Poster Session, 2010.

Yarusso K, Sens DA, Garrett SH. Role of TGF Beta and MT-3 in the Renal Proximal Tubule Epithelial to Mesenchymal Transition and Fibrosis.
UND Summer Research Poster Session, 2010.

Peek S, Beausoleil R, Meberg P. Actin Depolymerization Factor and Cofilin's Role in Growth Cone Motility.
UND Summer Research Poster Session, 2010.

Dickinson KJ, Grisanti LA, Porter JE. Role of Mitogen-activated Protein Kinases in the Pro-Inflammatory Response Produced by β -Adrenergic Receptor and Innate Immune System Pathways in Human Monocytes.
UND Summer Research Poster Session, 2010.

McGregor BA, Grisanti LA, Porter JE. Alpha1-Adrenergic Receptors Alter TLR Mediated Cytokine Production.
UND Summer Research Poster Session, 2010.

Castor ZB, Mitteness DJ, Bhatt D, Gienger HM, Rosenberger TA. Acetate Supplementation Increases Saturated Fatty Acid and Ether Phospholipid Content in Rat Brain.
UND Summer Research Poster Session, 2010.

Brule J, Anderson T, Pytlik M, Riedinger J, Bollingberg K, Bathula C, Shabb J. Epidermal Growth Factor-dependent Phosphorylation of MINERVA in HK-2 Human Kidney Epithelial Cells.
UND Summer Research Poster Session, 2010.

Brule J, Anderson T, Pytlik M, Riedinger J, Bollingberg K, Bathula C, Shabb J. Epidermal Growth Factor-dependent Phosphorylation of MINERVA in MCF10A Human Breast Epithelial Cells.

UND Summer Research Poster Session, 2010.

Lange R, Sudbeck A, Watt J. IGF-1 immunoreactivity is increased in response to ciliary neurotrophic factor.

UND Summer Research Poster Session, 2010.

Azure J, Poitra S, Jurgens C, Chareneau R, Huang X, Neubig R, Doze V. Alpha-2 adrenergic receptor-mediated antiepileptic and sedative effects in mice

North Dakota Academy of Science, 2010.

Nelson B, Goldenstein B, Xu K, Luger E, Pribula J, Wald J, O'Shea L, Huang X, Neubig R, Doze V. RGS7 protein suppression modulates CA3 epileptiform activity.

North Dakota Academy of Science, 2010.

FASEB, April 2010.

ND EPSCoR, 2010.

Wood S, Luger E, Davis B, Haselton J, Perez D, Doze V. Chronic Alpha-1A adrenergic receptor stimulation reduces anxiety in mice.

FASEB, 2010.

Collette K, Fagerlie R, Haselton J, Perez D, Doze V. Norepinephrine, through activation of alpha-1A ARs, stimulates production of new neurons, leading to an alleviation of depression and anxiety.

FASEB, 2010.

Yan Y, Bergstrom A, Zhang. Using GPU for massively parallel computation in bioinformatics.

ND EPSCoR, 2010.