

2018 NISBRE iPoster Presentations

by Monitor

Poster Session	Presenter	Title	Scientific Focus Area	Monitor	Day & Time
1	Alkhaleeli, Rami	Antibacterial properties of MgO nanoparticles immobilized polycaprolactone nanofiber membrane to Staphylococcus aureus	Bioengineering/Biotechnology/Nanotechnology	1	Sunday, 5pm
1	Barrs, Ryan	Development of a Vasculogenic Bioink to Support Bioprinted Tissue Constructs	Bioengineering/Biotechnology/Nanotechnology	2	Sunday, 5pm
1	Faundo, Michael	Production of a Novel Far Red, Near-Infrared Fluorescent Protein Isolated from a Siphonophore	Bioengineering/Biotechnology/Nanotechnology	3	Sunday, 5pm
1	Goodrow, Elizabeth	Analysis of Melamine in Pet Food Using Gold Nanoparticles and UV-Vis Spectroscopy	Bioengineering/Biotechnology/Nanotechnology	4	Sunday, 5pm
1	Penton, Kathryn	Release Studies of Electrospun Drug-Loaded Alginate- and Chitosan-Based Nanofibers	Bioengineering/Biotechnology/Nanotechnology	5	Sunday, 5pm
1	Holland, Jack	Computationally predicting protein allostery using tertiary motifs	Bioengineering/Biotechnology/Nanotechnology	6	Sunday, 5pm
1	Dhulekar, Jhilmil	Diabetes Resistant Tissue Engineered Vascular Grafts	Bioengineering/Biotechnology/Nanotechnology	7	Sunday, 5pm
1	Aladhami, Ahmed	Potential angiogenic functions of mast cells in early stages of prostatic transformation	Cancer	9	Sunday, 5pm
1	Borgovan, Theo	Extracellular Vesicle Initiation of Leukemia Phenotype in Normal Adult Bone Marrow	Cancer	10	Sunday, 5pm
1	Khan, Majid	ZIKV in Controlling Growth of Neuroblastoma Stem Cells	Cancer	11	Sunday, 5pm
1	Dings, Ruud	Sample storage conditions induce post-collection biases in microbiome profiles	Cancer	12	Sunday, 5pm
1	Kenny, Brittany	Dietary Compound Proanthocyanidins from Chinese bayberry (<i>Myrica rubra</i> Sieb. et Zucc.) leaves inhibit angiogenesis and regulate cell cycle of cisplatin-resistant ovarian cancer cells	Cancer	13	Sunday, 5pm
1	Jones, Kierra	Correlation of Double Cortin like Kinase 1 (DCLK1) with Colorectal Cancer	Cancer	14	Sunday, 5pm
1	Krager, Kimberly	Radiation induced alterations in transferrin receptor 1 affects osteoclast differentiation.	Cancer	15	Sunday, 5pm
1	Oliver, Haylee	Collagen Thickness Alters Tumorigenic Behavior of Papillary Thyroid Cancer Cells Harboring BRAFV600E Mutations	Cancer	18	Sunday, 5pm
1	Carl, Jordan	Evaluating the Effectiveness of MAPK and AKT Inhibitors in Reducing Cellular Proliferation in Papillary and Follicular Thyroid Cancer Cell Lines	Cancer	19	Sunday, 5pm
1	O'Brien, Alisha	Synthesis of novel organoplatinum(IV) compounds and evaluation of anticancer activity	Cancer	20	Sunday, 5pm
1	Sullivan, Con	Prolonged endoplasmic reticulum stress causes downregulation of TNFAIP8L1 expression in lung cancer cells	Cancer	21	Sunday, 5pm
1	Wei, Shuo	An ephrin-B/Wnt signaling crosstalk and regulation by ADAM9-mediated proteolysis in colorectal cancer progression	Cancer	23	Sunday, 5pm
1	Agarwal, Shailesh	Mechanisms regulating compartmentation of cAMP in adult cardiac myocytes	Cardiovascular Disease	24	Sunday, 5pm
1	Foley, Ann	Tissue Engineering the cardiac pacemaker with small molecules.	Cardiovascular Disease	25	Sunday, 5pm
1	Smiljanec, Katarina	The Effect of Dietary Potassium on High Sodium Diets in Salt-Resistant Adults	Cardiovascular Disease	28	Sunday, 5pm
1	Patterson, Freda	Healthier Sleep as an adjunctive treatment for smoking cessation: A proof of concept study	Cardiovascular Disease	29	Sunday, 5pm
1	Vary, Calvin	A SWATH-MS Platform for Systems Analysis of Angiogenesis Signaling	Cardiovascular Disease	30	Sunday, 5pm
1	Wentzien, Derald	Correlating the Impacts of Obesity on Mortality-Rates in the US	Cardiovascular Disease	33	Sunday, 5pm
1	Ashpole, Nicole	Natural Products Neuroscience- In Vivo Pharmacology Core	Core Facility	34	Sunday, 5pm
1	Bourne, Philip	The Protein Production Core Facility OU-Norman	Core Facility	35	Sunday, 5pm
1	Driscoll, Heather	Vermont Genetics Network Bioinformatics Core Facility	Core Facility	36	Sunday, 5pm
1	Finch, Tabitha	The Vermont INBRE Professional Development and Education Core	Core Facility	37	Sunday, 5pm
1	Hackett, Jennifer	Next Generation Sequencing at KU Genome Sequencing Core	Core Facility	38	Sunday, 5pm
1	Jurkovitz, Claudine	The Research Service Network: A Virtual Core for Population Health Sciences	Core Facility	39	Sunday, 5pm
1	Mccourt, Mark	NDSU Center for Visual and Cognitive Neuroscience (CVCN) Driving Simulator Core Facility	Core Facility	40	Sunday, 5pm
1	Perera, Chamani	The Synthetic Chemical Biology Core (SCB): A Resource for Research in Chemical Biology	Core Facility	41	Sunday, 5pm
1	Smith, Diane	Development and Utilization of an On-line Tool for Capturing Center of Biomedical Research Excellence (COBRE) Reporting from Faculty, Staff, and Students	Core Facility	43	Sunday, 5pm
1	Vander Kooi, Craig	Nanobody Production using Alpacas: A New Service by a UK COBRE CoreVa	Core Facility	44	Sunday, 5pm
1	Aromiwura, Afolasayo	Characterization of Antibodies Against Two Basement Membrane Degraders Reveal Their Tissue Specific Expression in <i>Drosophila melanogaster</i>	Genetics, Omics	45	Sunday, 5pm
1	Basgall, Erianna	Gene drive inhibition by the anti-CRISPR proteins AcrIIA2 and AcrIIA4 in <i>Saccharomyces cerevisiae</i>	Genetics, Omics	46	Sunday, 5pm
1	Benny, Paula	Differential placenta microbiome profiles are associated with maternal pre-pregnancy BMI in a multi-ethnic cohort	Genetics, Omics	47	Sunday, 5pm
1	Denvir, James	Whole Exome Sequencing in Neonatal Opioid Withdrawal Syndrome Mother-Infant Dyads	Genetics, Omics	48	Sunday, 5pm
1	Han, Mira	Transcriptome analysis reveals negative correlation between mitochondrial genes and transcripts of L1HS, and positive correlation between KRAB-ZFPs and older LINE elements in normal somatic tissue	Genetics, Omics	49	Sunday, 5pm

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1	Maunakea, Alika	Delay in the developmental trajectory of intragenic DNA methylation underlies altered pre-mRNA splicing in autism spectrum disorders	Genetics, Omics	50	Sunday, 5pm
1	Ridder, Jared	RNA Interference of the Unfolded Protein Response in <i>Acyrtosiphon pisum</i>	Genetics, Omics	53	Sunday, 5pm
1	Weingartner, Kyler	Metabolic Flux of Rhamnose in <i>Arabidopsis</i>	Genetics, Omics	54	Sunday, 5pm
1	Alkarkoushi, Rasha	Enterohepatic <i>Helicobacter</i> species modulate severity of DSS-induced colitis but do not prevent amelioration by indole-3-carbinol	Infectious Disease and Immunology	55	Sunday, 5pm
1	Burdine, Marie	Inhibition of DNA-PK(cs), a Novel Regulator of the Immune System, Reduces Allogeneic Skin Graft Rejection	Infectious Disease and Immunology	57	Sunday, 5pm
1	Gonzalez, Andres	Attenuation of respiratory disease by co-infection with unrelated viruses	Infectious Disease and Immunology	58	Sunday, 5pm
1	He, Susu	Structural study of transcriptional factor CifR regulating a virulence factor from <i>Pseudomonas aeruginosa</i>	Infectious Disease and Immunology	59	Sunday, 5pm
1	Kemp, Kyeorda	Inhibition of IRE1alpha in established TH2 cells results in reduced IL-5 and IL-13 secretion, but not IL-4	Infectious Disease and Immunology	60	Sunday, 5pm
1	Nag, Anita	Dissecting the mechanism of host shutoff by SARS coronavirus	Infectious Disease and Immunology	61	Sunday, 5pm
1	Sharma, Jyotika	Neutrophil Functions in acute and chronic inflammatory Diseases	Infectious Disease and Immunology	62	Sunday, 5pm
1	Neunuebel, Ramona	Intracellular Pathogen Survival: Hacking Into Host Vesicular Transport Pathways	Infectious Disease and Immunology	63	Sunday, 5pm
1	Seo, Keun Seok	Suboptimal stimulation with staphylococcal enterotoxin C1 induces immunosuppressive CD4+CD25+ regulatory T cells by differential expression of FOXP3 isoforms	Infectious Disease and Immunology	64	Sunday, 5pm
1	Wesel, Jordan	The Role of Glycogen in the Adaptive Metabolism of <i>Entamoeba histolytica</i>	Infectious Disease and Immunology	66	Sunday, 5pm
1	Nansel, Sara	Isolation of Antimicrobial Properties Against the E.S.K.A.P.E. Pathogen Relatives and Two E.S.K.A.P.E. Pathogens from Soil Microbes	Infectious Disease and Immunology	67	Sunday, 5pm
1	Yauch, Katelyn	The Potential Role of FTL_0893 in Host Cell Infection by <i>Francisella tularensis</i>	Infectious Disease and Immunology	68	Sunday, 5pm
1	Alpizar, Scott	Distinct subsets of presynaptic K ⁺ channels modulate frequency-dependent synaptic transmission in excitatory and inhibitory hippocampal neurons independent of net calcium influx	Neuroscience	69	Sunday, 5pm
1	Crenshaw, Jeremy	Development of a comprehensive evaluation of postural control in children with cerebral palsy	Neuroscience	70	Sunday, 5pm
1	Gitcho, Michael	TDP-43 interacts with mitochondrial proteins critical for mitophagy and mitochondrial dynamics	Neuroscience	73	Sunday, 5pm
1	Lampton, Bailey	Characterization of the Effect of Melatonin on Neuronal Processes of <i>C. elegans</i>	Neuroscience	74	Sunday, 5pm
1	Mishra, Virendra	Novel diffusion-derived biomarkers in Parkinson's disease with and without freezing of gait	Neuroscience	75	Sunday, 5pm
1	Mishra, Virendra	Cortico-striatal-brainstem structural connectivity patterns in in Parkinson's disease with and without freezing of gait	Neuroscience	77	Sunday, 5pm
1	Panzer, Lauren	The Action Potential as a Modulator of Synaptic Transmission	Neuroscience	78	Sunday, 5pm
1	Ritter, Aaron	The Clinical Core of the Center for Neurodegeneration and Translational Research: A Novel Approach to the Study of Alzheimer's and Parkinson's Disease	Neuroscience	79	Sunday, 5pm
1	Stanhope, Meredith	Modulation of the cardiac neuromuscular system of the American lobster, <i>Homarus americanus</i> , by differentially processed forms of the neuropeptide myosuppressin	Neuroscience	80	Sunday, 5pm
1	Troyano Rodriguez, Eva	Neuroigin-2 is Required for Excitation-Inhibition Balance in the Lateral Septum to Optimize Stress-Induced Neuronal Activation and Avoidance Behavior	Neuroscience	81	Sunday, 5pm
1	Craddock, Vaughn	Adaptations of <i>Pseudomonas aeruginosa</i> Evolved in Aminoglycoside Antibiotics	Other-Antibiotic Resistance	82	Sunday, 5pm
1	Meinhardt, Alexa	Hospitalized Patients with Substance Use Disorder Analysis	Other-Addiction Medicine	83	Sunday, 5pm
1	Romano, Megan	Perfluoroalkyl Substance Mixtures and Gestational Weight Gain	Other-Environmental Epidemiology	85	Sunday, 5pm
1	Gould, Travis	Quantifying Condensation of Chromatin in HL-60/S4 Cells	Other-Nuclear structure, chromatin	86	Sunday, 5pm
1	Clayton, Erin	Chronically elevated glucose levels result in beta cell dysfunction through oxidative-stress mediated transcriptional downregulation of transcription factor Glis3	Other-General Biomedical Sciences	87	Sunday, 5pm
1	Yang, Lewen	Identification of Two New Cholesterol Interaction Sites on the A2A Adenosine Receptor	Other-Membrane physics	88	Sunday, 5pm
1	Lambert, Joshua	Exploring Effect Modifiers Related to Periodontal Diseases Using Data From NHANES	Other-Oral Health	89	Sunday, 5pm
1	Owens, Hannah	Evaluating Scope of Enantioselective Copper Photoredox Catalysis	Other-Organic Chemistry	90	Sunday, 5pm
1	Ambrogini, Elena	An Antibody against Oxidized Phospholipids Promotes Bone Anabolis	Other-Osteoporosis pathophysiology	91	Sunday, 5pm
1	Leier, Jacob	Examination of Substrate Inhibition in Mitochondrial Aldehyde Dehydrogenase 2 (ALDH2) at Physiological Concentrations of Magnesium Ion	Other-Oxidative Stress	93	Sunday, 5pm
1	Snowden, Jessica	Capacity Building in the IDeA States' Pediatric Clinical Trial Network	Other-Pediatric Clinical Trials	94	Sunday, 5pm
1	Iyer, Srividhya	Excessive UPR in osteoblasts and osteocytes stimulates RANKL expression and bone resorption	Other-skeletal biology	95	Sunday, 5pm
1	Wen, Sicheng	Reversal Marrow Stem Cells Injury by Mesenchymal Stem Cell Derived Vesicles	Other-Stem cell	99	Sunday, 5pm
2	Angles, Gary	Molecular dynamic simulations of permeation through a lipid bilayer: Contrast to EPR oximetry.	Bioengineering/Biotechnology/Nanotechnology	1	Sunday, 6pm

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Poster Session	Presenter	Title	Scientific Focus Area	Monitor	Day & Time
2	Borem, Ryan	Biomimetic Annular Implant for Intervertebral Disc Tissue Regeneration	Bioengineering/Biotechnology/Nanotechnology	2	Sunday, 6pm
2	Anker, Jeffrey	Implanted pH sensors read with radiography	Bioengineering/Biotechnology/Nanotechnology	3	Sunday, 6pm
2	Long, Allison	Optimization of the Expression, Growth, and Purification of Toxoflavin Lyase	Bioengineering/Biotechnology/Nanotechnology	5	Sunday, 6pm
2	Vyavahare, Narendra	Nanoparticle targeting to reverse aortic calcification in a modified mouse model of adenine-induced chronic kidney disease	Bioengineering/Biotechnology/Nanotechnology	6	Sunday, 6pm
2	Santra, Santimukul	Multimodal Theranostic Nanomedicine for the Targeted Treatment of Cancer	Bioengineering/Biotechnology/Nanotechnology	7	Sunday, 6pm
2	Molina, Inaya	Development of a Novel, Fluorescence-Based Assay for Determining the Melting Temperature of Partially Palindromic DNA Hairpins	Bioengineering/Biotechnology/Nanotechnology	8	Sunday, 6pm
2	Pereira, Mandy	Profile of microRNA and Inflammation Markers found in Salivary Extracellular Vesicles	Bioengineering/Biotechnology/Nanotechnology	9	Sunday, 6pm
2	Ali, Sk Imran	A role for DNA-PK in CTCF-mediated genome stability.	Cancer	10	Sunday, 6pm
2	Boulares, Hamid	Low doses of PARP inhibitors as a novel strategy to enhance anti-tumor immunity	Cancer	13	Sunday, 6pm
2	Cotton, Celeste	Beta HPV and the Hippo Tumor Suppressor Pathway	Cancer	14	Sunday, 6pm
2	Eldredge, Luke	The MAL/SRF pathway regulates desmosomal gene expression and localization	Cancer	15	Sunday, 6pm
2	Francian, Alexandra	Enhancing tumor antigen presentation with complement targeted liposomes	Cancer	17	Sunday, 6pm
2	Hasan, Ameera	Hallmarks of the First Zebrafish Precursor-B cell Acute Lymphoblastic Leukemia Model	Cancer	18	Sunday, 6pm
2	Joshi, Rashmi	DNA ligase IV depletion impairs cellular replication.	Cancer	19	Sunday, 6pm
2	Li, Dawei	A virome-wide clonal integration analysis platform for discovering virus-caused cancer patients	Cancer	20	Sunday, 6pm
2	Mcguffee, Reagan	Synthetic Approaches to Photoactivatable Aromatic Heterocycles for Photoinduced Cell Death	Cancer	21	Sunday, 6pm
2	Norman, Christyan	The effect of chemotherapeutic agents Doxorubicin, Dexamethasone on prostate cancer cell hallmarks.	Cancer	22	Sunday, 6pm
2	Park, Gilseung	Discovery of a MYC-Driven Pre-B Cell Acute Lymphoblastic Leukemia Zebrafish Model	Cancer	23	Sunday, 6pm
2	Testerman, Traci	Effect of Indole-3-Carbinol on H. pylori-mediated carcinogenesis and cell signaling	Cancer	24	Sunday, 6pm
2	Ahuja, Hanna	Assessment of Cardiac Function of Rbm 20-/- Rats Using Pressure-Volume Loop Analysis After 28 Days of Angiotensin II Treatment	Cardiovascular Disease	25	Sunday, 6pm
2	Ghonim, Mohamed	Critical DNA-repair-independent role for the catalytic subunit of DNA-PK in Atherosclerosis	Cardiovascular Disease	28	Sunday, 6pm
2	Pattillo, Christopher	Glutathione regulates VEGFR2 signaling in Human Aortic Endothelial Cells	Cardiovascular Disease	30	Sunday, 6pm
2	Vary, Calvin	A Novel Lipidomic Approach to Understand Human Diabetic Heart Disease	Cardiovascular Disease	33	Sunday, 6pm
2	Walters, James	Using zebrafish (Danio rerio) to investigate Enterocyte Mitochondrial Dynamics During High Fat Diet Absorption	Cardiovascular Disease	34	Sunday, 6pm
2	Witman, Melissa	Altered Vascular Function in Patients with Duchenne Muscular Dystrophy (DMD)	Cardiovascular Disease	35	Sunday, 6pm
2	Bach, Al	Centralized Research Core Facility at the University of Rhode Island	Core Facility	36	Sunday, 6pm
2	Brown, Aliza	Decreasing Mortality One App at a Time	Core Facility	38	Sunday, 6pm
2	Dyer, David	The OK-INBRE Bioinformatics Core Facility	Core Facility	39	Sunday, 6pm
2	Hall, Richard	Mannequin to patient intubation: Does it translate?	Core Facility	40	Sunday, 6pm
2	Katz, Wendy	Optimizing benefits of a core facility: Counseling clients for design and analysis of indirect calorimetry experiments	Core Facility	41	Sunday, 6pm
2	Moore, Michael	OSCAR Imaging Facility at Delaware State University	Core Facility	43	Sunday, 6pm
2	Primerano, Donald	Marshall University Genomics and Bioinformatics Core: Next Generation Sequencing Applications and Bioinformatic Resources	Core Facility	44	Sunday, 6pm
2	Sun, Qian-Quan	The Wyoming Sensory Biology COBRE	Core Facility	45	Sunday, 6pm
2	Takacs, James	Integrated Biomolecular Communication: Building tools and unraveling mechanisms	Core Facility	46	Sunday, 6pm
2	Beck, Samuel	Implications of CpG islands on chromatin architectures and modes of global gene regulation	Genetics, Omics	48	Sunday, 6pm
2	Marrero, Emilette	Metabolic side effects associated with acute olanzapine treatment	Genetics, Omics	49	Sunday, 6pm
2	Hwang, Jae Yeon	RBP Motif Enrichment Analysis of Alternative Splicing Events in Arsenic-induced Skin Cancer	Genetics, Omics	50	Sunday, 6pm
2	Dragon, Julie	Evaluation of RNA sequencing methods for use with Formalin-Fixed, Paraffin-embedded (FFPE) tissue samples.	Genetics, Omics	51	Sunday, 6pm
2	Parker, Emily	Gene Expression Change Causes by Ophiocordyceps Sinensis and Ganoderium Lucidum in Rat Livers	Genetics, Omics	53	Sunday, 6pm
2	Wilbur, Sara	Tissue-specific telomere dynamics in hibernating arctic ground squirrels	Genetics, Omics	55	Sunday, 6pm
2	Peck, Ronald	Opsins in widely-distributed species inhibit an enzyme to promote synthesis of the retinal prosthetic group	Genetics, Omics	56	Sunday, 6pm
2	Ayoola, Moses	Impact of Impaired Polyamine Biosynthesis on Streptococcus Pneumoniae Tigr4 Gene Expression	Infectious Disease and Immunology	57	Sunday, 6pm
2	Chooback, Lilian	Dihydrodipicolinate synthase and antibiotic drug design	Infectious Disease and Immunology	58	Sunday, 6pm
2	Huber, Christopher	Studying the PA01 Attachment Mechanism on Silica Surfaces Via Surface Enhanced Raman Spectroscopy	Infectious Disease and Immunology	59	Sunday, 6pm

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2	Kennedy, Joshua	TRI Reagent is comparable to standard methods in extracting proteins from human precision cut lung slices for use in proteomics.	Infectious Disease and Immunology	60	Sunday, 6pm
2	Nakmya, Mary Frances	The impact of impaired cadaverine biosynthesis on the transcriptome of <i>Streptococcus pneumoniae</i> TIGR4	Infectious Disease and Immunology	61	Sunday, 6pm
2	Gabriel, Benjamin	Immune repertoire analysis of HIV exposed uninfected Kenyan infants	Infectious Disease and Immunology	62	Sunday, 6pm
2	Nansel, Sara	Antimicrobial Properties Against the E.S.K.A.P.E. Pathogen Relatives Isolated from Soil Microbes	Infectious Disease and Immunology	63	Sunday, 6pm
2	Park, Joo Youn	Metabolic adaptation of <i>S. aureus</i> in diabetes leading to diabetic foot ulcer	Infectious Disease and Immunology	64	Sunday, 6pm
2	Shack, Leslie	Impact of Impaired Polyamine Transport on <i>Streptococcus Pneumoniae</i>	Infectious Disease and Immunology	65	Sunday, 6pm
2	Harries, Phillip	Is disruption of microfilaments required for the cell-to-cell spread of Tomato Bushy Stunt Virus?	Infectious Disease and Immunology, Cell Biology/Virology	66	Sunday, 6pm
2	Yeruva, Laxmi	Transcriptome analysis of ileum reveals persistent effects of neonatal diet	Infectious Disease and Immunology	69	Sunday, 6pm
2	Boone, Steven	A frontotemporal dementia and motor neuron disease mouse model of TDP-43 proteinopathy	Integrative Medicine	70	Sunday, 6pm
2	Harrison, Brooke	Determining the Effects of Artificial Sweeteners on Weight in Rats	Integrative Medicine	73	Sunday, 6pm
2	Anderson, Ashley	The Neuroprotective Role of VDAC1 in Alzheimer's Disease	Neuroscience	74	Sunday, 6pm
2	Bluett, Brent	Discrepancy in freezing of gait measurements: self-report, clinical, and physical therapy assessments	Neuroscience	75	Sunday, 6pm
2	Finnell, Julie	High mobility group box-1 as a putative ovarian hormone dependent mechanism mediating stress susceptibility in cycling females	Neuroscience	78	Sunday, 6pm
2	Johnson, Lance	Metabolic Reprogramming and Alzheimer's Disease Risk: The Role of Apolipoprotein E4	Neuroscience	79	Sunday, 6pm
2	Leisgang, Amanda	GABA specific changes in a mouse model of Alzheimer's disease	Neuroscience	80	Sunday, 6pm
2	Perez Carambot, Marizabeth	Maintaining Neuronal Function: The Role of the Transcription Factor Gooseberry in Synaptic Growth, Stability and Plasticity.	Neuroscience	81	Sunday, 6pm
2	Kennedy, Andrew	Targeting the Tet Enzymes to Enhance Cognition	Neuroscience	82	Sunday, 6pm
2	Santoro, Stephen	Sex separation induces differences in the olfactory sensory receptor repertoires of male and female mice	Neuroscience	83	Sunday, 6pm
2	Sun, Jianli	Cell Electrophysiology Core of Delaware Center for Neuroscience Research	Neuroscience	84	Sunday, 6pm
2	Thomas, W. Kelley	Incorporating Bioinformatics into the Undergraduate Biology Curriculum	Other-Bioinformatics workshop	86	Sunday, 6pm
2	Gunderson, Julie	Single-Molecule Studies Reveal Discrete Conformational Dynamics in Three-Way DNA Junctions	Other-Biophysics	88	Sunday, 6pm
2	Miller, Kellyann	Project-based biology courses in a typical STEM sequence	Other-Education	89	Sunday, 6pm
2	Stone, Ramona	Evaluation of the KY-INBRE Undergraduate Student Learning Outcomes	Other-Evaluation research	90	Sunday, 6pm
2	Vanderford, Nathan	Preparing Future Professionals: A Career Development Course to Enhance Workforce Readiness	Other-Graduate education	91	Sunday, 6pm
2	Washington, Brien	Physiological Effects of Space Weather	Other-Physiology & Space Weather	92	Sunday, 6pm
2	James, Aironese	Investigating the Socio-Economic Factors of Birth Defects Among Children in Mississippi	Other-Public Health	94	Sunday, 6pm
2	Pathak, Rupak	Shear-responsive Kruppel-like factor 2 (KLF2): A novel radiation target is suppressed in the mouse intestine	Other-Radiation-induced gut injury	95	Sunday, 6pm
2	Wirick, Jeremy	Will a change in the leaving group affect the rate and/or the mechanism of ROCOX solvolytic reactions?	Other-Undergraduate research in organic chemistry	100	Sunday, 6pm
3	Boukari, Hacene	LIBS Studies of Amino Acids and Proteins	Bioengineering/Biotechnology/Nanotechnology	1	Monday, 5pm
3	Chavez, Moises	Targeting Disabled-2 to Stabilize β 508-CFTR	Bioengineering/Biotechnology/Nanotechnology	2	Monday, 5pm
3	Case, William	Xerogel-Based Amperometric Biosensing: Adaptable Templates for Clinically Relevant Measurements	Bioengineering/Biotechnology/Nanotechnology	3	Monday, 5pm
3	He, Mei	Microfluidic 3D Electro-Transfection For Regulating Tissue Cellular Functions In Immunotherapy	Bioengineering/Biotechnology/Nanotechnology	4	Monday, 5pm
3	Khandaker, Morshed	Effect of nanofibers on the time dependent bone growth around a titanium implant	Bioengineering/Biotechnology/Nanotechnology	5	Monday, 5pm
3	Mccoy, Katherine	Predicting PDZ Binding Strength and Specificity	Bioengineering/Biotechnology/Nanotechnology	6	Monday, 5pm
3	Nagy Mehesz, Agnes	The Cell, Tissue and Molecular Analysis Core of the South Carolina Bioengineering Center of Regeneration and Formation of Tissues	Bioengineering/Biotechnology/Nanotechnology	7	Monday, 5pm
3	Schoneich, Sonia	Optimization of the Separation and Detection of Catecholamines for their Determination in Biological Samples using Microchip Electrophoresis with Electrochemical Detection	Bioengineering/Biotechnology/Nanotechnology	8	Monday, 5pm
3	Zeng, Yong	Enabling Microfluidics and Nanotechnologies for Precision Cancer Diagnosis	Bioengineering/Biotechnology/Nanotechnology	9	Monday, 5pm
3	Ashley, Amanda	Targeting DNA repair in triple negative breast cancer	Cancer	10	Monday, 5pm
3	Dubielecka, Patrycja	Map3k8/COT1/Tpl2 drives resistance to Bcr-Abl1 inhibition through activation of MEK-ERK and NF- κ B pathways in a model of chronic myeloid leukemia	Cancer	12	Monday, 5pm
3	Chaiswing, Luksana	Redox State Determines The Differential Effects Of Redox-Cycle Compound In Chemoresistant Ovarian Cancer Cells	Cancer	13	Monday, 5pm
3	Del Tatto, Michael	Scale Up Production of Functional Human Mesenchymal Stem Cell Vesicles using a HollowFiber Bioreactor.	Cancer	14	Monday, 5pm
3	Khan, Majid	Knockout of hypoxia induced factor 1α in meningioma and glioma cell lines via short hairpin RNA interference and the CRISPR-Cas9 system.	Cancer	17	Monday, 5pm
3	Blue, Madison	MEK Inhibition Decreases Motility in Papillary Thyroid Cancer Cells Harboring BRAFV600E Mutations	Cancer	19	Monday, 5pm

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3	Reynolds, Emma	Papillary and Follicular Thyroid Cancer Display Significantly Different Transcriptomes Despite Mutations in a Common Pathway	Cancer	20	Monday, 5pm
3	Medina-Bandy, Elijah	The Functional Significance of MxB on Prostate Cancer Metastasis	Cancer	21	Monday, 5pm
3	Quagliano, Anthony	Epigenetic modifiers overcome osteoblast-induced chemoprotection by suppressing cell adhesion and related signaling	Cancer	23	Monday, 5pm
3	Valentovic, Monica	Natural Product Modulation of Cisplatin Toxicity in Human Renal Proximal Tubular Epithelial Cells	Cancer	24	Monday, 5pm
3	Atteia, Bashir	Human carotid artery plaques: Role of autophagy in the plaque stability	Cardiovascular Disease	25	Monday, 5pm
3	Rezk, Bashir	A Novel Antioxidant 4-Hydroxy-2,5,6-Triaminopyrimidine: From Test Tube to Animal Model; Our next step is the Clinical Trial	Cardiovascular Disease	28	Monday, 5pm
3	Godwin, James	Macrophage control of scar-free repair and regeneration in the salamander limb and heart.	Cardiovascular Disease	29	Monday, 5pm
3	Goodchild, Ph.D., Traci	Therapeutic Potential of Renal Denervation and Stem Cells in Heart Failure	Cardiovascular Disease	30	Monday, 5pm
3	Kapusta, Daniel	Renal Sympathetic Nerve Activity Mediates Natriuretic Peptide Metabolism via Nprilysin in Heart Failure	Cardiovascular Disease	31	Monday, 5pm
3	Bryant, Stephanie	The Effects of PUFA Concentrations on Cholesterol Absorption in the Larval Zebrafish Enterocyte	Cardiovascular Disease	34	Monday, 5pm
3	Bai, Shasha	The Innovative Tools Developed by the Biostatistics and Informatics Core of the Center for Childhood Obesity Prevention	Core Facility	35	Monday, 5pm
3	Byrum, Stephanie	NIH COBRE Center for Translational Pediatric Research Systems Biology Bioinformatics Core Services	Core Facility	36	Monday, 5pm
3	Eudy, James	University of Nebraska DNA Sequencing Core Facility	Core Facility	38	Monday, 5pm
3	Hemme, Christopher	Bioinformatics, 3D Visualization and Metrics Tracking at Rhode Island INBRE	Core Facility	39	Monday, 5pm
3	King, Benjamin	Maine INBRE Bioinformatics Core	Core Facility	40	Monday, 5pm
3	Nagamoto-Combs, Kumi	A Behavioral Research Core Facility Provides Advanced Tools Essential for Phenotypic Characterization in Rodent Behavior	Core Facility	41	Monday, 5pm
3	Tan, Wei	Lessons Learned with a Virtual Cellular Isolation and Analysis Core	Core Facility	42	Monday, 5pm
3	Ragavendran, Ashok	Brown University Computational Biology Core of the Center for Computational Biology of Human Disease	Core Facility	43	Monday, 5pm
3	Tillett, Richard	Restructuring Nevada INBRE Bioinformatics	Core Facility	44	Monday, 5pm
3	Wang, Tao	NDSU Center for Protease Research Core Biology Facility Supports Regional Biomedical Research	Core Facility	45	Monday, 5pm
3	Zhang, Kurt	North Dakota INBRE Bioinformatics Core Facility	Core Facility	46	Monday, 5pm
3	Gordon, Stuart	Analysis of the Antarctic Fish Notothenia coriiceps Gut Microbiome under Varying Anemic States	Genetics, Omics	47	Monday, 5pm
3	Chaabane, Mohamed	Circular RNA Detection from High-throughput Sequencing	Genetics, Omics	48	Monday, 5pm
3	Fultz, Brandy	Characterizing the role of Mcm10 in coordinating genome replication and checkpoint signaling pathways	Genetics, Omics	49	Monday, 5pm
3	Jia, Kaimin	Activity-based Substrate Profiling of Carcinogenic NTMT1	Genetics, Omics	50	Monday, 5pm
3	Parks, Caleb	Dynamic Structure Calculation of Proteins Using RDC Data and Machine Learning	Genetics, Omics	53	Monday, 5pm
3	Schiller, Martin	The New Personalized Medicine in Nevada COBRE	Genetics, Omics	54	Monday, 5pm
3	Woller, Sarah	Illuminating the functions of Pol2 variants of significant importance	Genetics, Omics	55	Monday, 5pm
3	Gummadidala, Phani	How does delta-9-tetrahydrocannabinol influence the C57BL/6 mouse metabolome?	Genetics, Omics	56	Monday, 5pm
3	Bader, Jackie	Macrophage depletion results in anemia, neutrophilia, and is not an effective therapy for rescuing obesity-linked metabolic impairments	Infectious Disease and Immunology	57	Monday, 5pm
3	Collins, Elliot	Immunostimulatory Activity of Dillapiole Isolated from Fennel Root	Infectious Disease and Immunology	59	Monday, 5pm
3	Ijezie, Emmanuel	Rhinovirus Curtails Disease Pathology during Respiratory Viral Co-Infection	Infectious Disease and Immunology	60	Monday, 5pm
3	Landes, Emma	Candida She3 protein interactions reveal divergence from Saccharomyces She3 mRNA-transport complexes	Infectious Disease and Immunology	61	Monday, 5pm
3	Dube, Danielle	Discovery of genes required for glycoprotein biosynthesis in the gastric pathogen Helicobacter pylori	Infectious Disease and Immunology	62	Monday, 5pm
3	Chockalingam, Prem	Sequence analysis of SCoV RNA to understand RNA stabilization during nsp1 mediated host shutoff	Infectious Disease and Immunology	63	Monday, 5pm
3	Singh, Udai	Adipose T cell microRNAs influence the T cell expansion, microbiome and macrophage function during obesity	Infectious Disease and Immunology	65	Monday, 5pm
3	Whaby, Michael	Role of FTL_1306 in Francisella tularensis susceptibility to resazomycins	Infectious Disease and Immunology	68	Monday, 5pm
3	Youngblood, Cheyanne	Potential for FKBP11/FKBP19 to regulate type II cytokine expression in TH2 cells	Infectious Disease and Immunology	69	Monday, 5pm
3	Pollack, Sean	Chickpeas as an Alternative and Inexpensive Source for Maintaining Human Health	Integrative Medicine	70	Monday, 5pm
3	Ahmad, Tariq	Proteomic analysis of expression of mutant CHMP2B associated with Frontotemporal Dementia	Neuroscience	76	Monday, 5pm
3	Froemer, Romy	Differential temporal contributions of overall set value and value difference in value based decisions	Neuroscience	77	Monday, 5pm
3	Kakraba, Samuel	Identifying Novel Drugs for Treatment of Neurodegenerative Diseases by Quantitative Structure-Activity Relationships Approach	Neuroscience	78	Monday, 5pm
3	Matyi, Melanie	Identifying Brain Regions Supporting Amygdala Function: A Complex Network Perspective	Neuroscience	79	Monday, 5pm
3	Mortimer, Sierra	The Q neuroblast transcriptome reveals novel transcription factors involved in Q descendant migration.	Neuroscience	80	Monday, 5pm

2018 NISBRE iPoster Presentations

by Monitor

Poster Session	Presenter	Title	Scientific Focus Area	Monitor	Day & Time
3	Police, Anitha	Anandamide topical delivery for management of pain	Neuroscience	81	Monday, 5pm
3	Shankar, Vijay Kumar	Silymarin effects on Glucose induced Retinal Neuronal Toxicity	Neuroscience	83	Monday, 5pm
3	Tamaki, Masako	REM sleep facilitates post-sleep visual perceptual learning (VPL) by eliminating anterograde interference from pre-sleep VPL	Neuroscience	84	Monday, 5pm
3	Waterman, Amanda	Cell-specific visualization of D2-like dopamine receptors in a circuit required for alcohol seeking.	Neuroscience	85	Monday, 5pm
3	Jimenez, Jamie	Reliability of New Ecological Paradigm Scale version for children in Spanish (NEP- \tilde{A}) with a sample of students (8-13 years) in Puerto Rico	Other-Behavioral and Environmental Sciences	87	Monday, 5pm
3	Katzenell, Sarah	Birds of a feather: the yeast mitophagy receptor Atg32 flocks together	Other-Biochemistry, basic cell biology	88	Monday, 5pm
3	O'Connor, Kyle	Quantitative Binding Analysis of Mn ²⁺ to DNA Hairpin Loops	Other-Biophysics	89	Monday, 5pm
3	Russell, Harrison	Quantitative Binding of Divalent Metal Ions to DNA Hairpin Loops	Other-Biophysics	90	Monday, 5pm
3	Gunderson, William	Spectroscopic Characterization of Divalent Metal Ion Binding to DNA Hairpin Loops	Other-Biophysics	91	Monday, 5pm
3	Arizala, Genardine	Assessment of Osmotic Stress Tolerance in Claudin Deficient <i>C. elegans</i> Roundworms	Other-Cell and Molecular Biology	93	Monday, 5pm
3	Phillips, Gabrielle	Characterization of the in-vivo functions of putative lysoglycerophospholipid acyltransferase in <i>Arabidopsis thaliana</i>	Other-Cell Biology	94	Monday, 5pm
3	Shrestha, Lisa	Synergistic Effects of Proteasomal and Lysosomal Enzyme Inhibitors on Plasma Membrane CFTR	Other-Cellular and Molecular	95	Monday, 5pm
3	Dayzie, Daryline	Community-Based Research on Navajo (Din \tilde{A}) Nation Homelands: Combining Traditional Knowledge and Scientific Observations of Medicinal Tobacco plants	Other-Medicinal Tobacco Plants	96	Monday 5pm
3	Acosta-Perez, Edna	Opportunities for Long-lasting Relationships in Science and Health: Researchers and Communities.	Other-Community Engagement	97	Monday, 5pm
3	Marchand, Gwen	Assessing Collaborative Interactions within a COBRE Funded Research Center	Other-Evaluation and Assessment	98	Monday, 5pm
3	Miller, Sherry	Bioinformatics Training: Faculty Focused Workshops	Other-Faculty workshops produced by Bioinformatics Core	99	Monday, 5pm
3	Velasquez, Sarah E.	Evaluation of K-INBRE Impact on Undergraduate Student Experience via Entrance and Exit Surveys	Other-Program Evaluation and Assessment	100	Monday, 5pm
4	Alkadhem, Niyaf	Immobilization of bone morphogenetic protein-2 with electrospunPCLNFM	Bioengineering/Biotechnology/Nanotechnology	1	Monday, 6pm
4	Borem, Ryan	Development of a Large Animal Model of Functional Intervertebral Disc Degeneration	Bioengineering/Biotechnology/Nanotechnology	2	Monday, 6pm
4	Chorny, Anatoliy	Quantification of Gene Activity in Real Time RT-PCR	Bioengineering/Biotechnology/Nanotechnology	3	Monday, 6pm
4	Coleman, Justin	Graphene Oxide: A Selective Transporter of Plant Flavonoids	Bioengineering/Biotechnology/Nanotechnology	4	Monday, 6pm
4	Kleinschmidt, Hunter	Bioremediation of Atrazine Polluted Groundwater with <i>Arthrobacter aureus</i> TC1	Bioengineering/Biotechnology/Nanotechnology	5	Monday, 6pm
4	Vyavahare, Naren	Gold Nanoparticles Targeting To Degraded Elastin And Suggestive Biomechanics Of Aorta In An Angiotensin-II Induced Abdominal Aortic Aneurysm Mouse Model	Bioengineering/Biotechnology/Nanotechnology	6	Monday, 6pm
4	Sutlief, Arin	The Promotion and Visualization of <i>Pseudomonas aeruginosa</i> Persister Cells in a Microfluidic Device	Bioengineering/Biotechnology/Nanotechnology	8	Monday, 6pm
4	Xu, Jianfeng	Plant cell-derived growth factors for ex vivo massive production of red blood cells	Bioengineering/Biotechnology/Nanotechnology	9	Monday, 6pm
4	Baures, Paul	An Improved Inhibitor of the Thioesterase Domain of Fatty Acid	Cancer	10	Monday, 6pm
4	Champagne, Devin	MCI reduces mitochondrial ATP production required for ABC transporter mediated chemoresistance	Cancer	13	Monday, 6pm
4	Dieckman, Lynne	Mapping the Regions in PCNA and CAF-1 that Mediate Nucleosome Assembly	Cancer	14	Monday, 6pm
4	Dubielecka, Patrycja	Loss of Abelson interactor-1 is linked to accelerated aging of hematopoietic system and malignant transformation	Cancer	15	Monday, 6pm
4	Gullapalli, Rama	Gallbladder Cancer Molecular Profiles of New Mexican Populations	Cancer	17	Monday, 6pm
4	Hodge, Johnie	MicroRNA-155 Overexpression Boosts Dendritic Cell-Mediated Anti-Tumor Immunity in Breast Cancer	Cancer	18	Monday, 6pm
4	Kmieciak, Eric	CRISPR-directed Gene Knockout of NRF2 Increases Chemosensitivity in Human Lung Cancer cells.	Cancer	19	Monday, 6pm
4	Millay, Heidi	Leaving ligand effects on solubility and reactivity of monofunctional platinum(II) complexes	Cancer	21	Monday, 6pm
4	Saatci, Ozge	Targeting lysyl oxidase (LOX) potentiates sensitivity to chemotherapy in triple negative breast cancer	Cancer	23	Monday, 6pm
4	Vanderford, Nathan	Evaluating Team Science through Social Network Analysis	Cancer	24	Monday, 6pm
4	Vanderford, Nathan	The University of Kentucky Center for Cancer and Metabolism: Administrative Core	Cancer	25	Monday, 6pm
4	Howard, Candace	Body Composition Analysis in African Americans.	Cardiovascular Disease	27	Monday, 6pm
4	Dorans, Kirsten	Trends in prevalence and control of hypertension according to the 2017 ACC/AHA guideline	Cardiovascular Disease	28	Monday, 6pm
4	Kelly, Ben	Screening for Novel Therapeutic Compounds Against Chagas' Disease	Cardiovascular Disease	29	Monday, 6pm
4	Washington, Iman	Dysfunctional Sensorimotor Response in Neonatal Rats Exposed to Reduced Uterine Perfusion	Cardiovascular Disease	30	Monday, 6pm
4	Rhoads, Douglas	SNP Association to Ascites for LRRTM4 Gene on Chromosome 22 in Broiler Chickens	Cardiovascular Disease	31	Monday, 6pm
4	Neary, Devin	Do Graduated Compression Stockings Affect Your Heart?	Cardiovascular Research	35	Monday, 6pm

2018 NISBRE iPoster Presentations

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Poster Session	Presenter	Title	Scientific Focus Area	Monitor	Day & Time
4	Presti, Nathaniel	Do graduated compression stockings speed-up recovery after maximal exercise in men?	Cardiovascular Research	36	Monday, 6pm
4	Borsheim, Elisabet	Arkansas Center for Childhood Obesity Prevention: METABOLISM CORE	Core Facility	38	Monday, 6pm
4	Caradonna, Peter	Histology and Imaging Core Services at the University of New England	Core Facility	39	Monday, 6pm
4	Grigsby, Ryan	Equipment and Services of the Ralph N. Adams Institute COBRE Core Nanofabrication Facility	Core Facility	40	Monday, 6pm
4	Hall, Richard	Telemedicine to reduce infant mortality in a Native American population	Core Facility	41	Monday, 6pm
4	Lam, Ying Wai	Vermont Genetics Network Proteomics Facility	Core Facility	43	Monday, 6pm
4	Otero-Cruz, Jose	Neuroimaging and Electrophysiology Facility at the University of Puerto Rico	Core Facility	44	Monday, 6pm
4	Shippy, Teresa	Kansas INBRE Bioinformatics Core	Core Facility	45	Monday, 6pm
4	Tucker, Kerry L.	Rodent Behavior Core Service Facility at the University of New England	Core Facility	48	Monday, 6pm
4	Velasquez, Sarah E.	K-INBRE Communications Core: Activities & Assessment	Core Facility	49	Monday, 6pm
4	Velasquez, Sarah E.	K-INBRE Undergraduate Coordinator Office: Activities & Impact	Core Facility	50	Monday, 6pm
4	Wang, Yongjun	The Biomedical and Obesity Research Core-UNL	Core Facility	51	Monday 6pm
4	Torres, Miguel	Identification of metabolic pathways and potential predictive biomarkers of antidepressants treatment using untargeted metabolomics	Genetics, Omics	53	Monday, 6pm
4	Gentry, Jared	Evaluation of the Trinity Software for De Novo Transcriptome Assembly with Synthetic Data	Genetics, Omics	54	Monday, 6pm
4	King, Benjamin	Non-Coding Regulatory Genes Expressed in Heart Regeneration	Genetics, Omics	55	Monday, 6pm
4	Smith, Sarai	Understanding the impact of prophage on mycobacterial host gene expression	Genetics, Omics	56	Monday, 6pm
4	Lusk, Hannah	Mapping of Arabidopsis Mutant with Lipid Alteration	Genetics, Omics	57	Monday, 6pm
4	Raza, Abbas	Genetic analysis of Bphse and Shs, novel loci controlling hypersensitivity to histamine in mice	Genetics, Omics	58	Monday, 6pm
4	Bender, Savannah	Examination of small intestine mucosal immunity after blocking IL-2 signaling at birth	Infectious Disease and Immunology	60	Monday, 6pm
4	Chooback, Lilian	Protein Purification and X-ray Crystallography of Histidine-tagged DapD	Infectious Disease and Immunology	61	Monday, 6pm
4	Cox, Heather	Testing the Antibiotic Activity of Flahtead Valley Flora and Fungi	Infectious Disease and Immunology	62	Monday, 6pm
4	Jeanty, Merlyne	MicroRNA-34a regulation of mast cell activation by sphingosine-1- phosphate in pre-symptomatic atopic dermatitis	Infectious Disease and Immunology	63	Monday, 6pm
4	Mistri, Somen	Limited TCR delta chain diversity in mouse lung Vβ4 ^{hi} T cell population	Infectious Disease and Immunology	64	Monday, 6pm
4	Nawarathne, Irosha	Development of Key Rifamycin Analogues to Target Prevalent Multi-Drug Resistant Mycobacterium tuberculosis	Infectious Disease and Immunology	65	Monday, 6pm
4	Payne, Barbara	HIV-exposed uninfected Kenyan infants are born with elevated levels of interleukin(IL)-8, IL-6 and IL-21 compared to HIV unexposed infants	Infectious Disease and Immunology	66	Monday, 6pm
4	Sarkar, Sutapa	Andrographolide attenuates Fibrotic Liver Injury	Infectious Disease and Immunology	68	Monday, 6pm
4	Starr, Marlene	Age-associated expansion of gamma delta-T cells promotes visceral adipose tissue inflammation	Infectious Disease and Immunology	69	Monday, 6pm
4	Wiley, Alex	Synthesis and Evaluation of Lipid A Inhibitors on Gram-Negative Bacteria	Infectious Disease and Immunology	70	Monday, 6pm
4	Zhang, Yuan	Nonviral delivery of RNA-based HIV vaccines	Infectious Disease and Immunology	73	Monday, 6pm
4	Cheng, Yan	Genetic profiling of salivary vesicles reveals potential biomarkers to detect mild TBI	Neuroscience	75	Monday, 6pm
4	Garcia-Rill, Edgar	Center for Translational Neuroscience, 14+ years later	Neuroscience	77	Monday, 6pm
4	Khalid-Janney, Christopher	Astrocyte specific expression of TDP-43 alters memory and increases anxiety	Neuroscience	78	Monday, 6pm
4	Mckin, Theresa	Reward modulates abstract sequence monitoring dynamics in the rostrolateral prefrontal cortex and striatum	Neuroscience	79	Monday, 6pm
4	Moynihan, Jack	Determining the role of semaphorins in injury-induced compensatory growth in adult Gryllus bimaculatus	Neuroscience	80	Monday, 6pm
4	Richard, Philomena	Effects of gut-microbiome modulation on rheumatoid and osteoarthritis pain-depressed behaviors and bone/joint pathology in Lewis and Fisher rats	Neuroscience	81	Monday, 6pm
4	Ou, Xiawei	C-section Delivery Impacts Infant Brain Development	Neuroscience	82	Monday, 6pm
4	Smith, Nicholas	Milk Allergy Induces Behavioral Changes Associated with Inflammation and Gene Regulation in the Brain	Neuroscience	83	Monday, 6pm
4	Thyagarajan, Baskaran	Target Site-Specific Therapeutics to Treat Noxious Pain	Neuroscience	84	Monday, 6pm
4	Willett, Kristie	Using Zebrafish for Epilepsy Drug Discovery	Neuroscience	85	Monday, 6pm
4	Johnson, Josiah	Exploring Efficient Methods For Protein Production In An Undergraduate Lab Setting	Other-Biochemistry	87	Monday, 6pm
4	Mcfarland, Devaun	Applying MSTALI to Active Site Identification Studies	Other-Bioinformatics/ Computational Biology	88	Monday, 6pm
4	Hoins, Jaysa	Pseudomonas aeruginosa Attachment to Different Substrates	Other-Biology	89	Monday, 6pm
4	Gibson, Mallory	The role of wingless 4 (WNT4) in uterine decidualization	Other-Development	90	Monday, 6pm
4	Anderson, Kurtis	Progress Toward the Synthesis of Phidianidine Analogues	Other-Medicinal Chemistry	91	Monday, 6pm
4	Luterek, Dillon	Antibiotic Producing Bacteria from Texas Soils	Other-Microbiology, not infectious disease	92	Monday, 6pm
4	Swindle, Taren	Application of Evidence-Based Quality Improvement to design implementation strategies for nutrition promotion in childcare	Other-Obesity Prevention	93	Monday, 6pm
4	Archinal, Holly	Research Matters: Engaging Stakeholders to Identify Patient-Centered Research Questions	Other-Patient-centered Care/ Chronic Kidney Disease	94	Monday, 6pm
4	Pias, Sally	Air ducts for cells: Evidence for lipid-based pathways of oxygen diffusion	Other-Physiology and metabolism; Tissue engineering and cancer	95	Monday, 6pm
4	Badgett, Kambria	Is Your Friendzone Beneficial? The Influence of Social Support on Body Image, Optimism, and Sexual Practices.	Other-Public Health	96	Monday, 6pm
4	Shuman, Kevin	The Wesley College Cannon Scholar Program Improves the Retention and Success of STEM Majors	Other-STEM Education	98	Monday, 6pm

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Poster Session	Presenter	Title	Scientific Focus Area	Monitor	Day & Time
4	Xia, Xue	A Pseudo-Receiver Domain in Atg32 is Required for Mitophagy	Other-Structural Biology	99	Monday, 6pm
4	Nelson, Ashlee	Comparative Embryonic Mutation and Mortality Responses to Chronic Cadmium Exposure	Other-Toxicology	100	Monday, 6pm
5	Elston, Marlee	Development of Glut1 shRNA knockdown mice to modulate glucose levels crossing the placenta	Bioengineering/Biotechnology/Nanotechnology	1	Tuesday, 8am
5	Eberth, John	Transition from Venous to Arterial Loading Improves Saphenous Vein Remodeling For Coronary Artery Grafting	Bioengineering/Biotechnology/Nanotechnology	2	Tuesday, 8am
5	Evans, Aysha	Rice (Sella) Starch Stabilized Gold Nanoparticle for Selective Tracking of Breast Cancer (SKBR3) Cells	Bioengineering/Biotechnology/Nanotechnology	3	Tuesday, 8am
5	Barczewski, Adam	NEMO: Engineering a Target for NMR Screening	Bioengineering/Biotechnology/Nanotechnology	4	Tuesday, 8am
5	Paul, Arghya	Mechanobiologically-Activated Stem Cells for Advanced Cardiac Tissue Repair: in vitro and in vivo analysis	Bioengineering/Biotechnology/Nanotechnology	5	Tuesday, 8am
5	Richardson, William	A Matrix-Protease Network Model for Computational Predictions of Matrix Turnover	Bioengineering/Biotechnology/Nanotechnology	6	Tuesday, 8am
5	Bassette, Molly	Investigation of the effect of novel PD-L1 inhibitory peptides on CD8+ T cell-dependent cell death in lung cancer cells	Cancer	7	Tuesday, 8am
5	Valdes, Diego	Data Analytics of the Protein Data Bank	Bioengineering/Biotechnology/Nanotechnology	8	Tuesday, 8am
5	Bhandari, Subash	Investigating melanocyte Dielectric Permittivity of Melanoma on Skin using a RF Resonator	Cancer	9	Tuesday, 8am
5	Chapman, Heidi	A Novel NMR Based Screening Method to Identify Small Molecule Inhibitors of Rac1 GTPase	Cancer	10	Tuesday, 8am
5	Beeser, Alexander	Structure function analyses of the ribosome maturation factor Dusp12, a role for specialized ribosomes in oncogenesis?	Cancer	11	Tuesday, 8am
5	Bendrick, Jacqueline	Desmoplakin promotes cell migration via control of p38 MAPK and Rho GTPases	Cancer	14	Tuesday, 8am
5	Escalera, Tanya	Comparison of Hypoxic Inducible Factor Expression and Fluorescence Emission on cell treated with NBQ compounds under Hypoxic vs. Aerobic Conditions	Cancer	15	Tuesday, 8am
5	Hancher, Kayla	Screening of a Natural Product Library for the Discovery of Novel Leukemia Therapeutics	Cancer	17	Tuesday, 8am
5	Hoggarth, Zachary	UROtsa as a Model System to Study the Development of Heavy Metal Induced Basal Muscle Invasive Bladder Cancer	Cancer	18	Tuesday, 8am
5	Koturbash, Igor	Local radiotherapy potentiates the anticancer effects of methionine deficiency by targeting one-carbon metabolism and Mat2a down-regulation	Cancer	19	Tuesday, 8am
5	Lonski, Austin	Molecular Profiling of Malignant Melanoma in the State of Delaware Demographic Metadata Correlation Analysis Part II	Cancer	20	Tuesday, 8am
5	Sotelo, Katie	Two-photon imaging of NAD(P)H in squamous cell carcinoma to assess metabolic changes due to HER2 using phasor FLIM	Cancer	21	Tuesday, 8am
5	Shrestha, Swojani	Effect of cadmium on the stem/progenitor cell populations in cultures of renal proximal tubular cells.	Cancer	23	Tuesday, 8am
5	Lavoie, Holly	Extracellular Matrix Protein mRNA Expression and Cardiac Function in Pregnant and Postpartum Mice	Cardiovascular Disease	25	Tuesday, 8am
5	Panchatcharam, Manikandan	LPP3 regulates mitochondrial respiration to limit myocardial dysfunction.	Cardiovascular Disease	28	Tuesday, 8am
5	Pham, Kevin	The potential role of ABCG6 in regulation of cardiac functions and purinergic signaling	Cardiovascular Disease	29	Tuesday, 8am
5	Wenner, Megan	Estradiol Modulates ETB Receptor Responses	Cardiovascular Disease	33	Tuesday, 8am
5	Zhang, Peng	C-terminal Src Kinase Regulates Mitochondrial Morphology and ROS Generation	Cardiovascular Disease	34	Tuesday, 8am
5	Boukari, Hacene	The OSCAR Imaging Facility: from one microscope to iLab reservation	Core Facility	35	Tuesday, 8am
5	Deng, Bin	Applications of Matlab in Proteome Data Visualization and Simulation of Protein Function Research	Core Facility	36	Tuesday, 8am
5	Korneva, Guzeliya	Bioengineering and Bioimaging Core of the NIH SCBioCRAFT COBRE Center	Core Facility	37	Tuesday, 8am
5	Gu, Huanzhong (Dan)	NDSU Center for Visual and Cognitive Neuroscience (CVCN) Core Facilities: Technical Services Core	Core Facility	38	Tuesday, 8am
5	Johnson, Jeffrey	NDSU Center for Visual and Cognitive Neuroscience (CVCN) High-Density EEG/Neurostimulation Core Facility	Core Facility	39	Tuesday, 8am
5	Mackintosh, Samuel	IDEA National Resource for Proteomics	Core Facility	40	Tuesday, 8am
5	Palys, Thomas	The COBRE Center of Molecular Epidemiology Biorepository Core at Dartmouth: A Partner with the Environmental influences on Child Health Outcomes (ECHO) Program	Core Facility	41	Tuesday, 8am
5	Dirusso, Concetta	Biomedical Research Excellence in Nebraska	Core Facility	42	Tuesday, 8am
5	Singh, Narendra	Resveratrol protects experimental Staphylococcus aureus enterotoxin B-induced acute liver injury by regulating microRNAs associated with myeloid-derived suppressor cells	Core Facility	43	Tuesday, 8am
5	Urschitz, Johann	The University of Hawaii	Core Facility	44	Tuesday, 8am
5	Zhang, Zhaojie	Connecting Microscopy Techniques to Daily Life Experiences for Better and More Effective Training	Core Facility	45	Tuesday, 8am
5	Mudgapalli, Ashok	Nebraska INBRE and Great Plains IDEA-CTR Cyberinfrastructure	Core Facility	46	Tuesday, 8am
5	Delavan, Brian	Pair Ranking Method for in vitro to in vivo Extrapolation	Genetics, Omics	48	Tuesday, 8am

2018 NISBRE iPoster Presentations

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Poster Session	Presenter	Title	Scientific Focus Area	Monitor	Day & Time
5	Gorbatenko, Oxana	The effects of N-methyl-fluoxetine on the transcriptomic response of Trichophyton mentagrophytes	Genetics, Omics	49	Tuesday, 8am
5	Malik, Naveen	Bioinformatic Analysis of Candida glabrata Transcriptome following treatment with Thymoquinone	Genetics, Omics	50	Tuesday, 8am
5	Ussher, Lindsay	Macroglobulin complement-related is required for border cell migration in Drosophila melanogaster	Genetics, Omics	52	Tuesday, 8am
5	Rey, Mariah	Insertion sequences target specific locations in Halobacterium Salinarum NRC-1	Genetics, Omics	53	Tuesday, 8am
5	Thompson, Katherine	Using the Feasible Solutions Algorithm to Identify Combinations of Genetic Factors Associated with Multiple Sclerosis	Genetics, Omics	54	Tuesday, 8am
5	Bivona, Joseph	Functional characterization of lncRNA U90926 in macrophages	Infectious Disease and Immunology	55	Tuesday, 8am
5	Foster, Timothy	Therapeutic Modulation of Amino Acid Metabolism Pathways for Treatment of Infectious-, Inflammation- and Pathological Vascularization-Associated Diseases	Infectious Disease and Immunology	59	Tuesday, 8am
5	Johnson, Hannah	Synthesis and Evaluation of N-Methylfluoxetine derivatives on Plasmodium falciparum	Infectious Disease and Immunology	60	Tuesday, 8am
5	Moore, Cayla	Hydrocortisone Decreases the Proliferation Rate and Increases Antibiotic Resistance of Streptococcus pneumoniae	Infectious Disease and Immunology	61	Tuesday, 8am
5	Powell, Raser	Antibiotic Potential of Flathead Valley Fungi and Flora	Infectious Disease and Immunology	62	Tuesday, 8am
5	Hodge, Zachary	Utilization of Click Chemistry to Modify Hydroxynaphthoquinone Scaffolds to Develop Efficacious Drug Leads	Infectious Disease and Immunology	63	Tuesday, 8am
5	Schmitt, Deanna	Identification of Potential Targets of Resazomycins, A Novel Family of Antibiotics	Infectious Disease and Immunology	64	Tuesday, 8am
5	Sharp, Aaron	Determination of bacterial inhibition by antibiotic molecule X	Infectious Disease and Immunology	65	Tuesday, 8am
5	Soucy, Ashley	Regulation of JCPyV Infection by IP3R-Mediated ER Ca2+ Release	Infectious Disease and Immunology	66	Tuesday, 8am
5	Won, Harim	Selective Activation of Early Bradyzoite Genes Drives Toxoplasma gondii Differentiation	Infectious Disease and Immunology	68	Tuesday, 8am
5	Bluett, Brent	The Relationship Between Inhibitory Control and Freezing of Gait in Parkinson's Disease	Neuroscience	69	Tuesday, 8am
5	Bluett, Brent	Effect of levodopa on fronto-parietal network connectivity in freezing of gait in Parkinson's disease	Neuroscience	70	Tuesday, 8am
5	Shuttleworth, C. William	UNM Center for Brain Recovery and Repair (CBRR)	Neuroscience	71	Tuesday, 8am
5	Ghezzi, Alfredo	Epigenetic control of long-term drug neuroadaptation	Neuroscience	73	Tuesday, 8am
5	Kinney, Jefferson	Effects of hyperglycemia in the APP/PS1 mouse model of Alzheimer's disease	Neuroscience	74	Tuesday, 8am
5	Miquelajaregui, Amaya	Origin and Migration of Olfactory Cajal-Retzius Cells	Neuroscience	75	Tuesday, 8am
5	Walters, Joseph	Elongator Function in the Anterior Pituitary and its Relevance to Familial Dysautonomia	Neuroscience	77	Tuesday, 8am
5	O'Toole, Ryan	A Synaptic Tag for Mapping Activity	Neuroscience	78	Tuesday, 8am
5	Ritter, Aaron	A Novel Approach to Recruitment for Alzheimer's Disease Research Studies: The Experience of the Center for Neurodegeneration and Translational Neuroscience (CNTN)	Neuroscience	79	Tuesday, 8am
5	Soto Diaz, Katiria	EGR-4 as a key for regeneration and cell differentiation in Alzheimer patients	Neuroscience	80	Tuesday, 8am
5	Williams, Dionne	The Neuroprotective Effects of SUMO Conjugase, Ubc9, in Dopaminergic Cells and Neurons	Neuroscience	81	Tuesday, 8am
5	Xiong, Jinhu	Mechanical signals activate YAP/TAZ in part via Piezo1	Other-Bone Pathophysiology	84	Tuesday, 8am
5	Thomsen, Michael	Fresh Fruit and Vegetable Program Participation is Associated with Lower 2nd Grade Body Mass Index	Other-Childhood obesity prevention	85	Tuesday, 8am
5	Washington, Brien	Physiological Effects of Space Weather	Other-Chronoastrobiology	87	Tuesday, 8am
5	Houston, Kelton Houston	Synthesis and Characterization of [M(PDTC)Lx]y Coordination Compound Series	Other-Development of Environmental Remediation Technology	88	Tuesday, 8am
5	Powers, Nathan	The roles of JAK/STAT signaling and a basement membrane-associated protein during air sac primordium development in Drosophila	Other-Developmental Biology	89	Tuesday, 8am
5	Smith, Christine	Evaluating INBRE Outcomes: A Multiple Group Comparison Approach	Other-Evaluation	91	Tuesday, 8am
5	Goldberg, Laura	Hematopoietic stem cells exist in the primary sorted lineage positive population of murine marrow.	Other-Hematopoietic stem cell biology	93	Tuesday, 8am
5	Medlock, Shannon	Relative influence of maternal milk and gut microbiotas on offspring gut microbial communities in arctic ground squirrels	Other-Host/microbe symbiosis	95	Tuesday, 8am
5	Plymale, Ruth	Natural Antibiotics Produced by Nutrient-Limited Non-Actinomycete Soil Bacteria	Other-Microbiology, not infectious disease	96	Tuesday, 8am
5	Bailey, Sarah	An analysis of peptidylarginine deiminase (PAD) activity in the murine estrus cycle	Other-Reproductive Physiology	98	Tuesday, 8am
5	Cooper, Dekeysha	Solvent-Free Synthesis of Stilbene Derivatives	Other-Solvent-Free Organic Synthesis	100	Tuesday, 8am