

Elkin R. Isaac

STUDENT RESEARCH
SYMPOSIUM



31st Annual Elkin R. Isaac Student Research Symposium Student Presentation Schedule Thursday, April 22, 2021

MORNING SESSION

[FORUM #1 – Poster Presentations \(Live Q&A Only\)](#) *[Click to join]*

[Click here to review poster presentations.](#)

9:30	Samantha Emerson, Eryn Lewis, Kirk Myers, Danielle Rineman, Liam Smith (Cousins)	Sleep Quality, Sleep Duration, and Mental Health in College Athletes
9:35	Christina Rafail (Cousins)	The Association Between Physical Activity, GPA, and Sleep in College Students
9:40	Austin Begley, Jacqueline Espinosa, Allison Haspel, Nicole Sweetland (Cousins)	Association of Physical Activity and Sleep Quality in College Students, Faculty, and Staff
9:45	--	--
9:50	Luis Angel Ramirez Galvan (Henke)	Understanding the Effects of the COVID-19 Pandemic on Community Youth Programs
9:55	Angela Meyers (Kennedy)	Biases in Studies of Animal Communication and Impacts on Conservation
10:00	Jessica Garcia-Lopez (Cahill)	Environmental Bioindicators in South Central Michigan
10:05	Breh Ruger, Bach Tran, Rosemary Hernandez, Saige Jost (Cahill)	Macroinvertebrate Species Diversity in the Maple River Salt Marsh
10:10	Alexis Moss, Vedha Reddy, Noelle Robert (Streu)	Synthesis of Hemithioindigo Compounds as Potential Tubulin Polymerization Inhibitors
10:15	Samantha Dye (Streu)	Synthesis of an Azologue of a Known Smoothed Inhibitor

AFTERNOON SESSION

[FORUM #2 – Platform Presentations](#) *[Click to join]*

1:00	Lauren Bergeron (Sacks)	“This Insolent and Inhuman Race”: White U.S. Soldiers’ Thoughts about White Southerners during the Civil War
1:15	Rebecca Wagener (Wickre)	Chancay Style Graves in Central Peru: Artifacts and Burial Traditions from the Chancay Culture
1:30	Hannah Gracin (Roberts)	Romantic Interests and Female Agency in YA Dystopian Novels
1:45	Marlo Scholten (Harnish)	The Way Social Movements and Anxieties Present Themselves on Screen (Specifically in the History of Horror and Current Children’s Cartoons)
2:00	Akaiia Ridley (Dick)	<u>Black Teachers Matter</u> - The Story of Albion Public Schools Going South to Historically Black Colleges and Universities to Create a Teaching Faculty That Looks Like Its Students
2:15	Anthony Avouris (Riedel)	Exploring Cultural Continuity Between Ancient Greece and the Byzantine Empire
2:30	Victoria Wiese (Barrios, Webb)	Iskay Simipi Runapanakuy Yachachina: The Role of Intercultural Bilingual Education in the Preservation and Appreciation of Quechua in Peru
2:45	Abigail Amat (Guenin-Lelle, Yewah, Mesa)	Translations of <i>Paroles d’honneur Écrits de Créoles de couleur néo-orléanais</i>
3:00	Annette Varga (Yoshii)	Transformation of Gender Roles: The Value of Change in Japanese Women’s Language and Contemporary Use
3:15	Troy MacCallumMhor (Yoshii)	Triumphalism on the Big Screen: The Division of East and West Germany after Reunification
3:30	Desiree Comer (Valdina)	Mainstream Tensions and Alternative Spiritualities: Making Sense of NRMs
3:45	Mickey Benson (Valdina)	Pastel Spirituality: Finding Religion in the Online Spiritual Marketplace

FORUM #3 – Platform Presentations *[Click to join]*

1:00	Clara Wagner (Streu)	Synthesis of a Photoswitchable Cancer Drug
1:15	San Pham (Streu)	Syntheses and Characterizations of Azo c-Kit and Tie-2 Inhibitors for Light-controlled Cancer Treatment - Light the Way to Conquer Cancer
1:30	Noah Robertson (Streu)	The Synthesis of a Light-Activated Immunotherapy
1:45	Alexandra Seidel (McCaffrey)	Microwave-assisted Duff Reaction
2:00	Venkata Chintalapati (Reimann)	Decentralizing the Web: Hosting and Accessing Websites on the Blockchain
2:15	Claire Mitchell (Bollman)	Casino Euchre: From the Midwest to Las Vegas
2:30	Anna Crysler (Rohlman, Streu)	Generating Antimicrobial Nanobodies through Directed Evolution
2:45	Hannah Woods (McCaffrey, Zellner)	An Assessment of Amino Acids Observed in Carbonaceous Chondritic Meteorites: Implications for Survivability in Impact Events
3:00	Mary Beall (Metz)	Catalytic Hydrogenation of Oxyanions Using Transition Metal Carbon Microspheres
3:15	Peter Filbrandt, Kaitlyn Piontkowsky (Rohlman, Streu)	Development of Type Three Secretion System Binding Nanobodies
3:30	Emily Eggenberger (Grossman)	From Duck and Cover to Active Shooter Drills: The Consequences of Emergency Planning on Our Nation's Children

[FORUM #4 – Platform Presentations](#) *[Click to join]*

1:00	Patrick Mayo (Cahill)	The Ecology and Impact of a Genetic “Superclone”
1:15	Audrey Lewis (Skean)	Studies of <i>Miconia</i> sect. <i>Calycodomatia</i> : A Taxonomic Revision of the <i>Miconia impressinervis</i> complex (Melastomataceae) on Hispaniola
1:30	Nathan Periat (White)	The Effect of Parasitic Mites on Incubation Patterns in House Wrens (<i>Troglodytes aedon</i>)
1:45	Irene Corona-Avila (Cahill)	Investigating Genetic Diversity of Oleander Aphids in the United States
2:00	Rosemary Hernandez (Cahill)	Phylogenetics and Distribution of <i>Culicoides</i> larvae in a Michigan Inland Salt Marsh
2:15	Saige Jost (Cahill)	Invertebrate Species Morphology and Analysis Throughout Different Environments
2:30	Alexis Wilkerson (Olapade)	Comparing Bacterial Occurrences and their Hydrolytic Enzyme Activities Among Different Soil Types
2:45	Hannah Erickson (Cervantes)	Mapping the Mating Type Recognition Pathway of <i>Tetrahymena thermophila</i>
3:00	Rachel Stander (Cahill)	Effects of Road Salt and its Alternatives on Freshwater Invertebrates
3:15	Leia Serlin (Rabquer)	Examination of a Novel, Multifaceted Support System That Provides Ankle Support and Stability for Patients With Arthritis While Walking and Standing in High Heels
3:30	Viktoria Carr (Francis, Wieth)	Relationship between Grit and COVID-19 Behaviors
3:45	--	--
4:00	Eryn Lewis, Lyndsey Moore (Madhavan-Brown, Godfrey, Keyes)	Albion COVID- 19 Vaccine Needs Assessment

[FORUM #5 – Platform Presentations](#) *[Click to join]*

1:00	Emily Rancour, Joseph Tatar, Clement Bard, Erica Freville, Remi Massonnet, David Ribeiro de Azevedo (Baker, Bruneteaux-Swann)	Business Plan Development: An International Partnership Between the USA and France - Hubsy: The Hub for All of Your Educational Needs
1:15	John Hoesli, Sagar Kamaraju, Steven Carré, Alex Guitton, Valentin Jacquet, Jérôme Sambathe, Hayfa Tounsi (Baker, Bruneteaux-Swann)	Business Plan Development: An International Partnership Between the USA and France - Instantly
1:30	Jace Conley, Jared Fife, Fischer Jacobs, Chamil Alikhadjiev, Shamloune Fakrul, Abdulla Mohammad, Emilio Morille-Leal (Baker, Bruneteaux-Swann)	Business Plan Development: An International Partnership Between the USA and France - ConnectRoom: Building Human Connections in a Virtual World
1:45	Morgan Armstrong, Caitlin Cummings (Walling)	Beyond Protesting: A Toolkit for Student Activism
2:00	Eryn Star (Verduzco-Baker)	Autistic Perspectives Revealed: Autistic People's Experiences with Emotional Abuse from Teachers in Public School
2:15	Erin Lathrop (Henke)	Never Your Fault: A Memoir on Fighting the Stigma on Sexual Assault
2:30	Vicky Turner (Wieth, Francis)	Age of Second Language Acquisition Predicts Ability to Switch between Images on the Ambiguous Figures Task
2:45	Soterios (Soti) Michalos (Christopher, Wieth)	The Effects of a Flex Model of Teaching on Performance
3:00	Peach Ruth Amanda Norman Owen (Webb)	Effective Comprehensive Sexual Education with the Case Study of Denmark and the United States - Should Porn and Sex Work be Included?
3:15	Sierra Hazard (Baker)	A Guide to Buying and Selling Companies
3:30	Abigail V. Cluff (Jechura)	Health Psychology: Historical Context and Future Implications
3:45	Jessie Butchley (Myers)	"Multiculturalism Has Failed": Examining National Identity, Migration Policy and Germany in a Globalized World
4:00	Morgan Armstrong (Francis, Wieth)	Individual Differences in Counseling Preferences