

36th Annual Elkin R. Isaac Student Research Symposium

Student Presentation Schedule

Thursday, April 16, 2026

MORNING SESSION

FORUM #1 – Norris 100

8:30	Grace Halstead (Marshall)	<i>Stratigraphy, Paleoenvironments, and Correlation of the Permian Phosphoria Rock Complex, Southwest Montana</i>
8:45	Bonnie Lord (Lee-Cullin)	<i>Exploring Runoff Management Prioritization for Albion College's Campus via GIS</i>
9:00	Lydia Meissner (Marshall)	<i>Environmental Stress and Faunal Turnover of Brachiopods and Bivalves in the Permian Phosphoria Rock Complex, Idaho</i>
9:15	Bryn Osborne (Sblendorio)	<i>A Home in the Heat: Investigating the Benefits of Heat Shields on the Thermal Microclimates of Bird Nest Boxes</i>
9:30	Kaelyn Ruitter (Zellner)	<i>Line Identification of M-Star Spectra at Mt. Wilson Observatory</i>
9:45	Grace Sobaski (Cahill)	<i>Can Genetic Diversity Explain a Lack of Anti-Predator Response in Aquatic Isopods?</i>
10:00	Camila Tapia (Lee-Cullin)	<i>Evaluating the Environmental Impact of Immigrants in the United States Using Geospatial Analytics</i>

(continued on next page)

FORUM #2 – Towsley Auditorium Norris 101

- 8:30** Daniah Al-Saffar, Lynsey Brearley, Andrea Di Napoli, Hugo Fillion, Thomas Gauvreau, Chase Jorgensen, Carter Stahl, Simone Taylor (Baker, Bruneteaux-Swann, Mathews) *Business Model: MindConnect*
- 8:45** Ivan Barron, Yasmine Bouallegue, Beatriz Cardoso, Haileystar Castaneda, Solène Facih, Niouma Sakho, Brenna Staley, Papa Yaw Thompson (Baker, Bruneteaux-Swann, Mathews) *Grocer Link Solutions*
- 9:00** Manus Bennett, Alex Briatte, Clément Gautier, Alex Kotas, Axelle Mellier, Aziz Oztruk, Vincent Ravalec, Lucas Szymanski (Baker, Bruneteaux-Swann, Matthews) *NeuroShield*
- 9:15** Larissa Botega (Baker) *Beyond the Classroom: Ensuring Equity in Experiential Learning for All Students*
- 9:30** Bonnie Lord (Lee-Cullin, Harnish, Revenaugh) *River Stories: The Kalamazoo River in Watercolor*
- 9:45** Connor Clark, Margo Gilbert, Beata Karwaczka, Emma Kastl, Amani Williams (Day, Wilch) *Tracking Sustainability at Albion College*

10:00 Abigail Dombrowski (McWhirter) *Burial & Exodus: An Examination of Breslau's 20th Century Jewish Community*

FORUM #3 – Norris 102

8:30 Hannah Arledge (Christopher, Hill, Visco) *Harmonious and Obsessive Passion as Predictors of Expectations of Success*

8:45 Megan Chipman (Roberts) *Adolescents, Literature, And The Grief Process*

9:00 Autumn Eles (Rabquer, Quesenberry) *Empowering Young Patients: Illustrating Chronic Illness through Graphic Medicine*

9:15 Annika Lindstrom (Betz, Francis, Dillon) *Perceived Coping Ability and Kinesiophobia After Injury in the Context of Psychological Trauma and Resilience*

9:30 Karsen Mellado (Christopher, Hill, Visco) *Perceived Hireability in Different Professional Fields and Mental Health Stigma*

9:45 Maryam Sohail (Olapade) *Investigating Global Trends in PCOS and Twin Pregnancies: Understanding the Role of Infertility Treatments*

10:00 Payton Landry (Wieth) *Proactive Safety Measures Regarding Active Shooters at Albion College*

FORUM #4 – Norris 104

8:30 Ethan Thomas (Sacks) *How the Experiences of Civil War Prisoners Both Weakened and Reinforced Their Support for the War*

8:45 Brendan Mulcahy (Sacks) *Civil War Uniforms: What They Reveal About Confederate Society*

9:00 Raylene Bosier (Kirby) *The Principles of Beauty and Aesthetics: A Philosophical Approach*

9:15 Tommy Frias (Kirby) *Laws of Nature and the Paradox of Free Will*

9:30	Cameron Thompson (Kirby)	<i>Architects of Action: How Contemporary Agent-Causal Accounts Solve the Paradox of Free Will</i>
9:45	Trinity Castle-Pollard (Brown)	<i>The Past Pushes You Forward</i>
10:00	Heidi Faramelli (Brown)	<i>Through My Lens: A Novel-Writing Journey</i>

AFTERNOON SESSION

FORUM #1 – Norris 100

1:15	Payton Baker, Tejal Richardson (Streu)	<i>Progress Towards the Synthesis of a Light Activated BCR-ABL Inhibitor</i>
1:30	Logan Hutchinson, Olivia Sliwinski (Streu)	<i>Progress Towards the Synthesis of a Novel Photoswitchable Antibiotic</i>
1:45	Ian MacDonald (Streu)	<i>Synthesis of a Novel Photoswitchable BCR-ABL1 Tyrosine Kinase Inhibitor</i>
2:00	Ernest Njoroge (Streu)	<i>Development of Photoreversible Azo-Stilbene GLP-1 Agonist for Diabetes Treatment</i>
2:15	Emma Schramm, Demetrius Smith (Rohlman)	<i>A Study of Flaviviral RNA Polymerases</i>
2:30	Melanie Symons (Streu)	<i>Characterization of the Light-Induced Bioactivity of Three Novel BCR-ABL Inhibitors</i>
2:45	Paige Williamson (Olapade, Streu, Baker)	<i>Microbiological and Biochemical Experiences with TransPharm Preclinical Solutions</i>
3:00	Andrew Woods (Streu)	<i>Synthesis of an Analogue of a Validated Bruton's Tyrosine Kinase Inhibitor</i>
3:15	Alex Zoschke (Streu)	<i>Synthesis & Testing of a Novel Photoswitchable BCR-ABL Inhibitor That Targets Drug-Resistant Mutations</i>
3:30	Carly Fraser (Streu)	<i>Diabetes and Colonialism</i>
3:45	Haileystar Castañeda (Rohlman)	<i>How Mexican Food Can Alleviate Metabolic Disorders' Symptoms</i>

FORUM #2 – Towsley Auditorium Norris 101

1:15	Jillian Bentley (Kayser, Henderson, Riedel)	<i>The Birth of the Modern American Stage Manager</i>
1:30	Brandon Blake (Abbott, Kim)	<i>Sergei Prokofiev: Piano Concerto No. 3 in C major, Op. 26</i>
1:45	Anungoo Mendsaikhan (Kim)	<i>Fritz Kreisler: Praeludium and Allegro in the Style of Pugnani</i>
2:00	Caleb Galvan (McCaskill, Solomon)	<i>Affliction of Freedom</i>
2:15	Leonardo Gomez (Dixon)	<i>Autism and Me: Neurodiverse Conditions Through Art</i>
2:30	Ben Harkness (Abbott)	<i>Changing Perspectives: Philosophical and Theological Approaches to Music in Renaissance Europe</i>
2:45	Abigail Hoskey (Clarke)	<i>Flowers Grow in the Ashes: A Musical Composition Reflecting on the Coexisting Light and Darkness of Auschwitz-Birkenau</i>
3:00	Caroline Lippitt (MacInnes)	<i>The Saga of Inga Ulfsdóttir: Researching and Writing a Historical Graphic Novel</i>
3:15	Tuesday McBride (Solomon)	<i>Compliant Imprints: The Art of Silent Gender Roles</i>
3:30	Seph Cartier (Miller, Laban, VanArsdalen)	<i>KILLA-KILLA: A Superhero Musical</i>
3:45	Natalie Altayeb (Noble)	<i>From Intimacy to Empire: An Ecological Analysis of Femicide in Puerto Rico and the United States</i>

FORUM #3 – Norris 102

1:15	Lindsay Ratcliffe (Mesa)	<i>Notes From My Ghost: Poems</i>
1:30	Jocelyn Kincaid-Beal (Mesa, Brown)	<i>Using Body Horror to Explore Bodily Expectations, Anxieties, Desires Through Poetry</i>

1:45	Ashanti McKnight (Roberts)	<i>Reading Black Girls: Building "The Black Girl Atlas"</i>
2:00	Shay Athayde (Chase)	<i>Ordering the Artifacts: Curating Albion's Indigenous History in the Archaeology Laboratory</i>
2:15	Naima Davenport (Brown)	<i>Anti-Racism and Decentering Whiteness through Literary Analysis and Personal Reflection</i>
2:30	Tori Gierach (Melzer)	<i>The Impact of Live-Action Tween Television on Perceptions of Gender and Interpersonal Relationships</i>
2:45	Tyland Martin (McCaskill)	<i>Do Black Male Mentoring Programs Work? A Comprehensive Analysis of Outcomes</i>
3:00	Brinley McCaig (Melzer)	<i>The Invisible Orange Jumpsuit: The Experiences of Daughters of Incarcerated Fathers</i>
3:15	Vanessa Rigney (Elischberger, Cahill, Hill)	<i>Attitudes of Bisexual, Gay, and Lesbian People toward Transgender Individuals and Anti-Trans Legislation</i>
3:30	Cloud Rimer (Harnish, Wylie)	<i>Manoomin Monitoring and Interpretation</i>
3:45	Connor DeEros (Riedel)	<i>Pilgrimage and Power: Competing Authorities in Crusader Jerusalem, 1099-1187</i>

FORUM #4 – Norris 104

1:15	Natalie Altayeb (Saville)	<i>Disrupting the Gut: Host–Microbe Interactions Following Enteric Bacterial Exposure in <i>Drosophila melanogaster</i></i>
1:30	Delana Jaiyesimi (Cahill)	<i>Mussels and Other Aquatic Macroinvertebrates in Michigan Mnomen (Wild Rice) Beds</i>
1:45	Catherine VanderWeg (Cervantes)	<i>eccDNA in Vegetatively Growing <i>T. thermophila</i></i>
2:00	Enkhtushig Enkhbat (Clark)	<i>Topological Data Analysis of Crypto Markets: Persistence of Volatility</i>
2:15	Bayasgalan Gantulga (Adamczyk)	<i>The Hidden Price of Lactose Intolerance: Economic Impacts and Burdens on Society</i>

2:30	Oyu Lkhagvajav (Adamczyk)	<i>How Education Helps Reduce Poverty in Rural East Asia: The Impact on Income Mobility</i>
2:45	Jayshon Russ (McCaskill)	<i>Movement as Medicine: Promoting Accessible Physical Activities for Community Wellness</i>
3:00	Tia Sriprom (Cho)	<i>Towards the Safety of Autonomous Vehicles: Measuring Friction for Roadway Contaminants</i>
3:15	James Grey (McCaskill, Soriano)	<i>"Black Conservatives" Are Not Real!</i>
3:30	Ivan Green (McCaskill)	<i>Succeeding Through Youth Programs</i>

Poster Session – Shaheen Atrium, 4-5 P.M.

Riley Adams, Dahalia Aguilar-Tabares, Natalie Altayeb, Bonnie Lord, Margo Gilbert, Jack Wylie (Wilch, Day)	<i>Bins for Brits – Increasing Recycling on Campus</i>
Oyunbileg Adiyabaatar (Uddin)	<i>Assessing the Economic Contributions of Legal Immigration to the U.S. Economy and Labor Markets Over the Last Two Decades - all good</i>
Nico Alfahed (Harnish)	<i>Social Network Analysis in a Rural Zambian Community Following Development-Induced Displacement</i>
Jakhia Alfred (Visco, McCaskill)	<i>Disciplinary Policy and Academic Proficiency: Evaluating the Impact of Suspension Practices in Public Schools</i>
Zoey Bennett (Albertson)	<i>The Neuroscience of Beliefs: A Complex Adaptive Systems Approach to Beliefs</i>
Rachel Bieler, Cooper Manuilow (Saville)	<i>Using Comparative Genomics to Inform Efforts to Conserve the Puerto Rican Parrot</i>
Brooklyn Blakemore, Chelsea Post (Saville)	<i>Using Comparative Genomics to Inform Efforts to Conserve the Puerto Rican Parrot</i>

Anna Cochrane (Madhavan-Brown)	<i>Psychological Assessment Library – Review and Demonstration</i>
Elliot Cooper, Catherine VanderWeg (Saville)	<i>Using Comparative Genomics to Inform Efforts to Conserve the Puerto Rican Parrot</i>
Ruth Dessie (Dillon)	<i>The Effect of Combined Stretch and Slow-Velocity Low-Intensity Resistance Exercise Training on Cardiovascular and Muscular Health: A Case Study</i>
Abigail Dombrowski, Gabriel Patnode (Zito)	<i>Before and After: Analyzing Students' Expectations of the Writing Center</i>
Susanna Doss (Chase, Henke)	<i>Unpacking Arrowheads: Teaching Michigan's Indigenous History</i>
Cadence Easterwood (Madhavan-Brown, McCaskill)	<i>Housing and Identity: A Look Into the Effects of Deindustrialization on a Small Community</i>
DeBraya Edwards (Shanton, Franzen, McCaskill)	<i>"Beyond the Visual" An Artistic Analysis of Race and Gender</i>
Autumn Eles, Ashley Manansala, Julian Sandoval (Harris)	<i>Towards the Enantioselective Alkylation of Phenylketones and Benzaldehydes Using a Novel Aminoborane Catalyst</i>
Jenny Enkhbold (Li)	<i>TikTok's U.S. Ban: Examining Market Reactions, User Behavior, and Economic Shifts</i>
Margo Gilbert (Cahill)	<i>Influences of Abiotic Factors on Biodiversity of Invertebrates in Kalamazoo River Mnomen Beds</i>
Chloe Lkhamsuren, Kyra Shouldice (Lyons-Sobaski)	<i>Characterization of Microsatellite Genetic Markers for <i>Sabatia angularis</i></i>
Jay Martinez, Justin Montgomery (Cahill)	<i>Biodiversity of Invertebrates in the Kalamazoo River</i>
Jose Martinez (McCaskill)	<i>"The Final Hour": Lauryn Hill's Requiem to Conscious Hip Hop</i>
Noah McCollum, Demetrius Smith (Saville)	<i>Annotation of Oxidative Stress Response Pathway Genes in Several <i>Drosophila</i> Species</i>

Brooke McNab, Iris Patel (Saville)	<i>Annotation of Oxidative Stress Response Pathway Genes in Several Drosophila Species</i>
Alina O'Farrell, Isabella Treglia (Saville)	<i>Annotation of Oxidative Stress Response Pathway Genes in Several Drosophila Species</i>
Bryn Osborne, Taiya Williams (Saville)	<i>Using Comparative Genomics to Inform Efforts to Conserve the Puerto Rican Parrot</i>
Iris Patel (Streu)	<i>Progress Toward the Development of Nanobodies Related to Moonlighting Activity of S. epidermidis GAPDH via Directed Evolution</i>
Nathan Penfield (Marengoni)	<i>A Shape Sorting Robot Using Computer Vision and Robot Kinematics</i>
Alye Perryman (Albertson)	<i>The Science of Goal-Directed Behavior: A Systems Model Integrating Attention and Motivation in Neurodiverse Populations</i>
Kaelyn Ruitter (Zellner)	<i>Comparisons of Lunar Glass Samples from the Apollo and Chang'e Landing Sites</i>
Livia Sprouse (Mortimer, Knowlden)	<i>Math Attitudes in Elementary Schools</i>
Kashish Tank (Francis, Wieth)	<i>Mental Rotation and Divergent Thinking Predict Mathematical Convergent Creativity but Mental Rotation and Inattention Predict Beliefs About Math Competence</i>
Enkhjin Tumurbaatar (Uddin)	<i>Association Between Minimum Wage and Key Economic Variables Across U.S. States</i>
Madison Weedon (Godfrey)	<i>Equine Kinesiology Taping: How Kinesiology Tape Impacts Tissue Protection, Circulation, and Pain in Performance Horses</i>
Matthew Westra (Garner, Betz, Rabquer)	<i>The Prevalence of Muscular Asymmetries in Recreational Weightlifters and Athletes</i>