STUDENT SCHOLARSHIP RECOGNITION DAY

COME CELEBRATE THE EXEMPLARY SCHOLARSHIP AND CREATIVITY OF FELLOW STUDENTS!

Wednesday April 24th

8AM-5PM

QUESTIONS? CONTACT <JLAIISON>

If you require disability accommodation for this event, contact the Office of Equity, Diversity, and Inclusion at 503-370-6195.
Student Scholarship Recognition Day
April 24, 2019

Poster Sessions
Archaeology, Biology, Chemistry, Computer Science, Psychology
University Center – 2nd and 3rd Floors
Noon to 2:00

Third Annual Student Juried Art Show Reception
Art 211 - Gallery
4:00 to 5:00

Senior Art Major Exhibit
Hallie Ford Museum of Art
1:00 to 5:00

Presentations
see schedule below for locations

Session 1.................................................................9:00 to 10:20
Session 2.................................................................10:30 to 11:50
Poster Presentations.............................................Noon to 2:00
Session 3.................................................................1:10 to 2:00
Session 4.................................................................2:20 to 3:20
Session 5.................................................................3:30 to 4:30
Student Scholarship Recognition Day
Presentation Schedule
April 24, 2019

Session 1
Collins 205: Biology Theses I
Moderator: Chris Smith

9:00  Arianna Cannady
Unraveling the Mechanisms of Autoimmune Disorders: Examining the role of early infection and microbiome
        disruption in the immune development, function and autoimmune pathology

9:20  Gabrielle Dewson
The MARCKS Gene as a Targeted Treatment of Acute Meyoloid Leukemia

9:40  Laura Polkinghorn
Analysis of Dopamine Transporter 1 Alleles in Determining Risk-Reward Evaluations Among Individuals From the
        Add Health Study

10:00 Morgan Webster
Investigation of interplay between Serotonin Transporter alleles and emotional wellbeing in subjects from the Add
        Health Survey

Session 1
Collins 318: Physics Theses I
Moderator: Daniel Borrero

9:00  Juan Marquez
Period doubling in glow discharge tubes

9:20  Louis Bengtson
Analysis of Quasi-Two Dimensional Kolmogorov Flows using the Method of Slices

9:40  Katherine LaChasse
Finite-Amplitude Perturbation Thresholds for Subcritical Transition in Taylor-Couette Flow

10:00 Trent Jones
Bouncing Oil Droplets - A Macroscopic Model of Single-Particle Diffraction

Session 1
Collins 320: Promise and Peril in Social Media
Moderator: Catalina de Onis

9:00  Logan Glass
Beyond Intent: How the Russian IRA’s Twitter Accounts Warn Us About Trolling

9:20  Claire Pockell-Wilson and Natalie Roadarmel
Sparking Change: Bridging the Sustainability Communication(s) Gap

9:40  Tova Hershman and Michelle Hicks
SOAR-ing to Success: Fostering an Equitable University via a Shared Student Resource Center
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10:00  Paige Fredenburg and Logan Glass
Emoting Against the Grain: Sentiment Comparison of Twitter Movements and Their Relationships to the Public Sphere

Session 1
Collins 407: Exercise and Health Sciences Theses I
Moderator: Stasinos Stavrianeas

9:00  Darian Gibson
Is the ketogenic diet an effective alternative to antiepileptic drugs in treating children with epilepsy?

9:20  Shay Hannigan-Luther
The effects of a ketogenic diet on endurance exercise performance

9:40  Nathan Gilman
Physical therapy as a first intervention for musculoskeletal pathologies

Session 1
Eaton 106: Religious Studies Theses
Moderator: Steve Patterson

9:00  Zoey Rizzo
Daoist Medicine: The Intersectionality of Religion and Medical Practice for First-Wave Chinese Immigrants

9:20  Ashley Jackson
Understanding Environmental Issues Holistically

9:40  Akerah Mackey
The Violent God: James Baldwin’s Critique of Christianity

10:00  Elle Wilson
Divine Punishment: The Religious Roots of the American Penal System

Session 1
Eaton 209: Creative Writing Theses I
Moderator Scott Nadelson

9:00  Cheyenne Marshall
[REDACTED]: A Reading from a Creative Writing Thesis

9:20  Owen Netzer
Liminal State [Working Title]

9:40  Kevin Alexander
Heaven Sent Not Angels and Other Stories: A Reading from a Creative Writing Thesis
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10:00    Kieran O'Brien
         Craters

Session 1
Eaton 211: Women's and Gender Studies: Interrogating Narratives of Normativity
Moderator: Allison Hobgood

9:00    Mariam Baig
         Tweeting Up A Storm: Effects of Masculinity Through Media on International Relations

illia Forkin
Dysphoric Scrying and Other Ritual Abjections for the TransHexual Transsexual

Joshua Bolle
Swiping Left on Discriminatory Behavior: Norms, Whiteness and Discrimination on Dating Apps

Maddie Cleaver
An Implied Threat: Precarious Black Life, Lynching, and Eugenics IN Memoir

Paige Yeakle
Time and Trauma in Memoir

Session 1
Ford 201: Japanese Studies
Moderator: Miho Fujiwara

9:00    Cassidy Andrews
         Tokyo Disneyland: A Uniquely Japanese Experience and "International" Simulation

9:20    Ben Bajema
         An Analysis of Shozo Tanaka's Ecological and Social Ethics in Regard to the Ashio Copper Mine Pollution Incident

9:40    Kazutoshi Koba
         Shin-Nisei: The 'new' Japanese American experience

10:00   Gabby Pine
         Yayoi Kusama and the Narrative of Mental Illness in her Work

Session 1
Ford 204: Russian
Moderator: Sara Orr

9:00    Donald Hagen
         The Leap of Faith: A Christian Existentialist Analysis of Dostoevsky’s Depictions of Insanity and Religious Experience

9:20    Grace DeLee
         Feminism in Dostoevsky
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9:40  Landry Ferguson
      Dostoevsky and Disability

10:00  Evan Dilley
       Interpretations of Girard’s Mimetic Theory: Love in the Underground

Session 1
Hallie Ford Museum of Art: Art History and Its Multiple Narratives
Moderator: Ricardo De Mambro Santos

9:00  Olivia Barry
      More than Meets the Eye: Dissecting Bellori’s Description of Guido Reni’s Paintings

9:20  Meghana Chary
      Beyond the Self: Egon Schiele’s Self-Portraits and the Viennese Medical Audience

9:40  Clarice Benz
      Walks with Richard Long: Preserving the Non-Sustainable Image

Session 2
Collins 205: Biology Theses II
Moderator: Chris Smith

10:30  Karen Espinosa
      Variation in nutrient transport affects survival phenotypes in Caulobacter crescentus

10:50  Michelle Nagata
      Newly identified genes play a role in oxidative stress defense in Caulobacter crescentus

11:10  Joshua Sakai
      Analysis of taxonomy and function of Tonga Trench microbes using metagenomic analysis

11:30  Katie Luis
      A metagenomic approach to the analysis of microbial communities present in vertical transect water samples from the Tonga Trench

Session 2
Collins 318: Physics Theses II
Moderator: Daniel Borrero

10:30  PJ Gibson
      An Analysis of Fireballs from Willamette's D6 AllSky Survey

10:50  Lance Crafton
      A table-top experiment to optimize magnetic resonance pulsing for laser guide-star applications
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11:10  Jill Peery
Examining the Rate of Expansion of the Universe Using the Galaxy Peculiar Velocity Covariance Matrix

11:30  William Kwako
Examining the Rate of Expansion of the Universe Using the Galaxy Peculiar Velocity Covariance Matrix

Session 2
Collins 320: Iconography, Memory, and Space: Natural Icons of Willamette University
Moderator: David Craig

10:30  Elisabeth Larson
Pandemics as a Historical Force in the Landscape of Willamette University

10:50  Megan Canniff
Landscape and Identity: Reading Willamette University’s Campus

11:10  Megan Canniff and Elisabeth Larson
A LARC of Walk through Campus Cultural & Natural History

Session 2
Collins 407: Exercise and Health Sciences Theses II
Moderator: Stasinos Stavrianeas

10:30  Evan Levy
Use of an interactive website to increase home exercise compliance in pediatric physical therapy

10:50  KayLyn Stirton
Is Invisalign the Clear Future of Orthodontics?

11:10  Emily Bishop
Warm-up options for throwing athletes: A comparison of dynamic warm-up, static stretching, and resistance exercise

Session 2
Eaton 106: Economics Theses I: Economics of Natural Resources, Prisons, and Gig Work
Moderator: Raechelle Mascarenhas

10:30  Quinlyn Manfull
Alaska’s Permanent Fund: Testing Resource Curse Hypothesis, Dependency, and Social and Political Consequences

10:50  Raina Arberry
Prisons for Sale; A Neoclassical Analysis of Price Regulation in the US Privatized Prison Industry

11:10  Emily Self
A Discourse on the Labor Market of the Gig Economy
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11:30    Sam Hudd
         The Effect of Artificial Intelligence on the Labor Market

Session 2
Eaton 209: Creative Writing Theses II
Moderator: Scott Nadelson

10:30    Colin Hakeman
         Splashdown: A Reading from a Creative Writing Thesis

10:50    Alex Gordon
         Basketball Gods: A Reading and Process

11:10    Crystal Zamora
         Latina Misfit

Session 2
Eaton 211: Women's and Gender Studies: Beyond Binary Boundaries
Moderator: Allison Hobgood

9:00     Tess Panetta
         Hamburgers and Heroes: What Gendered Media Means to You and Me

         J. Kushinka
         There’s a Comfort in Failure: Paradoxical Potentials of Non-binary Experience(s)

         Elizabeth Habicht
         Your Pain Isn’t Real: A History of Depersonalization in Gynecology

         Marleigh Williams
         I’ll Show You Mine, If You Show Me Yours: The Reproduction and Maintenance of White Supremacy and Toxic Masculinity in White Greek-letter Organizations

         Zahra Erickson
         Non-Cis AFAB Not AFAD

         Greth Lyon
         Congratulations, It’s a Baby! Making Space in Imagined Futures for Intersex and Non-Binary Realities

Session 2
Eaton 307: Social Issues
Moderator: Melissa Buis Michaux

10:30    Laura Polkinghorn
         From Home to House to Home: A Processual Analysis of the Journey from the Streets to a House Among Individuals Experiencing Houselessness in Salem, OR
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10:50  Jake Procino
Law Regarding Homelessness Throughout the History of the United States with a Case Study of Los Angeles

11:10  Jonathan Louanrath
Access to Higher Education: Comparative Analysis of Student Experiences in Chile, Nepal, and Jordan

11:30  Joelle Patricio

Session 2
Ford 102: Psychology
Moderator: Kyle Stephenson

10:30  Tova Hershman
Graph Literacy Training Program: A Pilot Study

Rosalind Fraser
Exploration of Populist Appeal: A Psychological Approach

Paige Yeakle
Hippotherapy: Evidence Review & Recommendations

Lyndsey Shimazu
Trait Mindfulness as a Mediator Linking Adult Attachment Orientation to Well-Being in Emerging Adults

Paige Fredenburg
Gender Differences in the Relationship Between Peer Support and Depression in Adolescents

Paige Fredenburg
Evaluation of an Outpatient Dual-Diagnosis Treatment Program for Individuals Being Released from Prison

Session 2
Ford 204: Hamilton and Russian Literature
Moderator: Sarah Bishop

10:30  Jay Hadfield
Spirit of Exile: Queer Identity and Romantic Tradition in Lermontov’s Demon

10:50  Amy Proctor
The Petersburg Myth in Contemporary Russian Fiction

11:10  Cassidy Andrews
Alexander Hamilton & Aaron Burr: Friends, Foes and Foils
# Student Scholarship Recognition Day
## Presentation Schedule
### April 24, 2019

### Session 2
**Ford 122: College Colloquium Research Grants**
Moderator: Ellen Eisenberg

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>10:30</td>
<td><strong>Evan Kohne</strong></td>
<td>7 Children-A study of Politics and Theater</td>
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<tr>
<td>10:50</td>
<td><strong>Sam Johnston</strong></td>
<td>Willamette’s Divestment Movement: Unfinished Activism Then and Now</td>
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<tr>
<td>11:10</td>
<td><strong>Kiki Drum Bento</strong></td>
<td>Looking For Support: Identifying Support for Undocumented and Second Generation Immigrant Youth within Public Education</td>
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<tr>
<td>11:30</td>
<td><strong>Benjamin Burton</strong></td>
<td>Fair Isle Documentary</td>
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### Session 2
**Hallie Ford Museum of Art: Museum Spaces between Experience and Knowledge**
Moderator: Ann Nicgorksi

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<tbody>
<tr>
<td>10:30</td>
<td><strong>Serena Cantaldo</strong> and <strong>Giulia Ramundo</strong></td>
<td>Breathing Objects: The Dialogue between Artifacts and Artworks at the Hallie Ford Museum</td>
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<tr>
<td>10:50</td>
<td><strong>Holly Piper</strong></td>
<td>Kypriaka Chronica: Bronze Age II</td>
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<tr>
<td>11:10</td>
<td><strong>Sarah Diamond</strong></td>
<td>Kypriaka Chronica: Bronze Age I</td>
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<tr>
<td>11:30</td>
<td><strong>Peter Lawson</strong></td>
<td>Of Pots and People: Interpreting Grooved Ware in Neolithic Orkney</td>
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</tbody>
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### Session 3
**Collins 205: Biology Theses III**
Moderator: Chris Smith

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>1:10</td>
<td><strong>Hazel Carr</strong></td>
<td>Assessing the importance of urban Oregon white oak stands as habitat for slender-billed white-breasted nuthatches</td>
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<tr>
<td>1:30</td>
<td><strong>Annie Jolliff</strong></td>
<td>Native Bee Floral Resource Use and Competition with Exotic Honey Bees (<em>Apis mellifera</em>) in Urban and Rural Salem, Oregon</td>
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<tr>
<td>1:50</td>
<td><strong>Samantha Coleman</strong></td>
<td>Comparing Bee Communities in Urban Salem, Semi-rural Parks, and Rural Restoration Sites</td>
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</tbody>
</table>
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Session 3
Collins 318: Physics Theses III
Moderator: Michaela Kleinhert

1:10 Annie Wang
Investigating the Large-Scale Structure of the Universe through the Correlation Function and Power Spectrum and Voids

1:30 Sarah Peery
A More Direct Method for Calculating the Cosmic Velocity Correlation function from Peculiar Velocity Data

Session 3
Collins 407: Exercise and Health Sciences Theses III
Moderator: Stasinos Stavrianeas

1:10 Nathan Dunford
Review and Analysis of Sports-Related Concussion Protocol: Return to Play Guidelines and Unity Across All Protocols

1:30 Rachel Kong
Willamette-Special Olympics Sports Camps for Individuals with Special Needs

1:50 Kara Phillips
Hook grip usage is increasing for the deadlift event among elite level powerlifters

Session 3
Eaton 106: Economics Theses II: Economics of Ecolabels, Unions, and Education
Moderator: Raechelle Mascarenhas

1:10 Alyssa Feskanin
Can ecolabels be an effective way to incentivize environmentally sustainable consumer purchasing habits and production practices?

1:30 Avery Bento
Union Density and Free-riding; An Empirical Study of Right-to-Work Laws.

1:50 Kaitlyn Wiggins
Educational Inequality in the Age of School Choice

Session 3
Ford 102: Figuring the Other: Refugees, Monsters, Witches
Moderator: Vincent Pham

1:10 Jonathan Louanrath
Reified Social Attitudes Towards Southeast Asian Refugees in Southern California, 1970s-80s
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1:30    Ashley Lim
Monster Mashing Metaphors: An Analysis of Monstrosity in "The Shape of Water"

1:50    Zora Driscoll
The Transgressive Power of the Witch in Elizabeth Gaskell's Lois the Witch and Maryse Cond's I, Tituba, Black Witch of Salem

Session 3
Pelton 217: Theatre Theses
Moderator: Jonathan Cole

1:10    Dylan McCombs
Skate and Rebuild

1:30    Max Sherman
Face Cards

Session 3
Rogers Rehearsal Hall: Music Making: Compositions, Albums
Moderator: Jean-David Coen

    Michael Chergovsky
    Composing "Tabula Smaragdina"

    Peter Lawson
    Making a Requiem—Academia and Creativity in Omnes Requiescimus

    Rebecca Nicholes
    "One Holy Sound", How Music Connects Us All

    Nathan Boone
    Exploring Composition—A Multi Cultural Harmony

Session 4
Collins 205: Biology Theses IV
Moderator: Chris Smith

2:20    Carli Fawcett
Evaluating field identification methods of Tegeticula moths using DNA barcoding

2:40    Kyly Hiatt
Measuring genomic divergence between Tegeticula synthetica and Tegeticula antithetica by RAD Sequencing

3:00    Samantha Dueñas
NRPS Population in Fiji Sponges and Sediments
Session 4
Collins 318: Physics Theses IV
Moderator: David Altman

2:20  Marcus Weaver  
Determining if Myosin VI Dimers are Regulated by Intramolecular Strain

2:40  Jo Stensaas  
Finding the Force Dependence of Myosin VI inside Retinal Pigment Epithelial Cells

3:00  Cassie Logan  
Finding the Force Dependence of Myosin VI inside Retinal Pigment Epithelial Cells

Session 4
Collins 407: Exercise and Health Sciences Theses IV
Moderator: Stasinos Stavrianeas

2:20  Dante Spencer  
Implementation and Improvement of Physical Education Programs in Public Elementary Schools

2:40  Yasmin Gul  
Early sport specialization is harmful

3:00  Alex Israel  
Early sport specialization is harmful

Session 4
Eaton 106: Economics Theses III: Economics of Happiness, Housing, and Investment
Moderator: Don Negri

2:20  Ivy Rivas  
Happiness economics: the relationship of income and subjective well-being

2:40  Allie Kerkhoff  
Exploring Portfolio Choice: An Analysis of Gendered Investment Behavior

3:00  Eurydice Chen  
The Effect of Governmental Policies on Inflation in the Chinese Housing Market

Session 4
Eaton 307: Politics Theses I: International Perspectives on Education, Treaties, and Visas
Moderator: Melissa Buis Michaux

2:20  Adrian Uphoff  
Alabama, Arkansas, Do I Stay With Ma and Pa?: An Analysis of Decreasing Racial Disproportionality in the Foster Care Systems of Alabama, Arkansas, and Mississippi from 2005-2007
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2:40  Emma Johnson
What happened to Oregon? Since the Implementation of Temporary Assistance for Needy Families, What has Contributed to the Decline of the Reach of the Oregon Welfare Policy?

3:00  Jonathan Louangrath
H-1B Visa Use for the Filipino Nursing and Indian Information Technology (IT) Industries: Coloniality and Diaspora in Skilled Migratory Employment

Session 4
Ford 102: Computer Science Theses
Moderator: Fritz Ruehr

2:20  Daniel Koenig
Recenter: A Self Care Mobile Application

2:40  Keith Carlson
Amazon Alexa Skill and Time Series Forecasting Model to Predict the Washington State Ferries

3:00  Alex Lockwood
A Case Study in Video Game Development in the Unreal Engine

Session 4
Pelton 217: Shuchat Fellows I
Moderator: Ruth Feingold

2:40  Matt Jensen
Have a Heart

3:00  Henry Coba
Shuchat Arts Fellowship -- A Studio Album & Documentary

Session 4
Hatfield Room: Presidential Scholars
Moderator: Sammy Basu

2:20  Beth Corpuz
Reactivity of Anti-Cancer Ruthenium-Based Drugs RAPTA-C and RACAP with Transferrin Protein

2:50  Paige Spradlin
Tweaking Drug Policy: An Analysis of the Diverging Socio-political Responses to the "Crack" and Opioid Epidemics
Session 4
Rogers Rehearsal Hall: Musical Performances
Director: Wallace Long, Jr.

Noah Greenfield
Chamber Choir and Contemporary Ensemble

Kyle Ward
Contemporary Ensemble performing Peter Lawson’s Labyrinth

Ensemble: Michael Chergosky
Lance Crafton
Mckenna Crowe
Matt Elcombe
Violetta Horvat
Aleesha Kazi
Peter Lawson

Solo Performances: Katie Bordona
Alexander Foufos
Lena Haumann
Olga Melendez Valdez
Hanna Rarick

Session 5
Collins 205: Biology Theses V
Moderator: Chris Smith

3:30 Ash Alunan
How can we begin to decolonize biology?

3:50 Rachelle Williams
Certifying Willamette Campus as a Wildlife Habitat

4:10 Joe Carriere
Comprehensive Animal Policy Review at Primarily Undergraduate Institutions: A Case Study of Willamette University with Recommendations to the Campus

Session 5
Collins 318: Chemistry Thesis
Moderator: Scott Meyer

3:30 Sam Hinton
CRISPR dCas9 as a novel in vitro DNA binding domain for use in split protein biosensors
Session 5
Collins 407: Rapid Stepping Tests and the Anatomy Laboratory
Moderator: Brandi Row Lazzarini

3:30  Alex Hougan and Mark Lau
Evaluating test retest reliability of the Rapid Alternating Stair Touch Test (RASTT)

3:50  Shay Hannigan-Luther
Inter-Rater Reliability in Three Rapid Stepping Tests Challenging Medial-Lateral Weight-Shifting Motion

4:10  Katie Lee and Jonathan Heath
Exploration of Anatomical Variations and Related Pathophysiology through Human Cadaveric Dissections

Session 5
Eaton 106: Economics Theses IV: Economics of Trade Tariffs, Rabies, and Exercise
Moderator: Laura Taylor

3:30  Christopher Ishihara
USMCA and the Auto Industry: Will the increased domestic content requirements benefit American workers and consumers?

3:50  Aubrey Kraabel
A Better 2030: Public Health Economics and Rabies Elimination Efforts

4:10  Michael Montague
The Economics of Exercise

Session 5
Eaton 307: Politics Theses II: Politics of Race and Class in the US
Moderator: David Guterman

3:30  Akerah Mackey
Post-Racialism as Utopia

3:50  Avery Bento
No War but Class War; How class-conflict based worldviews shaped the ILWU

4:10  Mia Noren
Norwegian Exceptionalism: Can Oregon Model a Less Punitive Penal System?

Session 5
Pelton 217: Shuchat Fellows II
Moderator: Ruth Feingold

3:30  Michael Chergosky
The Thunder: Perfect Mind
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3:50  Anya Steuer
     Scenic Painting Intensive