

# **Conference Committee**

Bernie DayFoothill CollegePatty HallCañada CollegeSarah HarmonCañada CollegeCandace KlaschusLas Positas College

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Tim Maxwell

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Christina Tinsley

John Ulloa

College of San Mateo

Modesto Junior College

Los Medanos College

Cabrillo College

UC Berkeley

Skyline College

# Acknowledgements

The Bay Honors Consortium thanks the Center for Educational Partnerships at the University of California, Berkeley for supporting this opportunity for community college honors students. We also acknowledge the following people for their invaluable contributions. They rock.

Marsha Jaeger Executive Director, Center for Educational Partnerhips, UCB

**Keith Schoon** Director, Community College Transfer Center

**Katherine Snyder** Associate Professor, Department of English, UC Berkeley **Mena Tajrishi** Las Positas College Honors Graduate, Student Speaker

Michael Maehara Smith Maehara Photography

Maureen WillhoiteProgram Layout, Los Medanos CollegeRicoh PrintingProgram Printing, Las Positas College

**Arenas Dance Company** 

#### Jonathan Homrighausen, Debora Van Eckhardt, Nicole Anderson

Honors Student Volunteers and Generally Awesome People

#### UNIVERSITY OF CALIFORNIA, BERKELEY

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# ADMISSIONS AND ENROLLMENT CENTER FOR EDUCATIONAL PARTNERSHIPS

Dear Honors Research Symposium Guests,

Welcome to the 7<sup>th</sup> Annual Honors Research Symposium for community college honors students. We are pleased to host the symposium at UC Berkeley for the third time and to have this opportunity to offer our congratulations to you on your achievements, your original research and your hard work in challenging Honors courses.

Today's presentations give us an example of the great talent that exists among the many transfer students at community colleges across California. It is clear that you students have the potential to be the future researchers, scholars and leaders of our state, nation and world. With your experience in research and achievements in the honors program, we want to strongly encourage you to continue on the pathway of academic excellence and to apply to Berkeley and other top research universities.

Berkeley is strongly committed to admitting transfer students, who typically make up about one-third of our fall class. Among those admitted are many who are the first in their family to go to college, come from low-income families or have otherwise faced educational barriers. Once enrolled at Berkeley, transfer students do very well, graduating with similar grade point averages and at similar rates as students who started Berkeley as freshmen. The wealth of life experiences and diverse perspectives that community college transfers bring to the campus contributes greatly to the quality of discourse in the classroom and to the rich and vibrant fabric of the UC Berkeley community.

Berkeley has a number of resources to assist you in preparing and applying for transfer. Our Community College Transfer Center (CCTC) provides assistance to students across the state and offers in-person drop-in advising to students in many Northern and Southern California community colleges. The Center also houses the very successful Transfer Alliance Project (TAP), which offers on-going assistance and academic enrichment opportunities to selected high achieving community college students who are the first in their family to go to college or who have faced significant educational barriers. For further information about CCTC or TAP, please contact Director Keith Schoon, schoon@berkeley.edu or (510) 643-7159. And once you are here at Berkeley, our Transfer, Re-entry and Student Parent Center offers a variety of programs and services that are designed to help transfer students succeed.

Again, we are delighted to have this opportunity to celebrate your achievements and welcome you to Berkeley. Enjoy your day!

Anne De Luca

Associate Vice Chancellor

Admissions and Enrollment

Marsha Jaeger Executive Director

Center for Educational Partnerships



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# Schedule of Events

Opening Ceremony - Dwinelle 145......9:00-9:30 a.m. Professor John Ulloa, Emcee Skyline College Honors Coordinator Professor Katherine Snyder, Keynote Speaker Department of English, UC Berkeley Lunch **Performance by the Arenas Dance Company** Mena Tajrishi, Student Speaker Las Positas College Honors Alumna, UC Berkeley Transfer Bay Honors Consortium Honors Faculty of the Year Award The Katherine Award The Heslet Scholar Award **Christina Tinsley, Closing Remarks** Transfer Alliance Project Coordinator, UC Berkeley

Christina Tinsley, UC Berkeley

**Campus Tours** 



# Session I Presentations 9:45-10:45 a.m.

All presenters and attendees are expected to arrive no later than 9:45 a.m. and stay for the entire session. Please refrain from entering the room once the session is in progress.

#### Samantha Zevanove

#### Cabrillo College Mentor: Letitia Scott-Curtis

# Reclaiming Celia's Dignity

Repositioning Celia as the moral center of Ben Jonson's *Volpone*, a critique of corruption in 17th-century Venice.

#### **China Armstrong**

#### Cabrillo College Mentor: Conrad Scott-Curtis

# **Shakespeare and Contemporary Gender Theory**

How comic revelry and misperception in *Twelfth Night* applies to modern notions concerning the interaction of identity, gender and persona.

#### Alexandra Golikov

Modesto Junior College Mentor: Chad Redwing

# The Lost Generation Social Reconstruction Through Literature

A comparison of the lost generations of World War I and the current war in Chechnya, focusing on how the word rebuilds the world.

# **Room 228**

#### Alec Cervi James Mata

Las Positas College Mentor: Jeremiah Bodnar

## **More Human Than Human**

A look at what Spike Jonze's *Her* implies about classic philosophical questions such as Mechanism and the Mind-Body Problem.

#### Zinah Abraha

Los Medanos College Mentor: Curtis Corlew

#### In Her Own Little World

A constructed photo series exploring the separation from reality readers face when living in the fictitious world of a novel.

#### **Ryan Garrett**

College of San Mateo Mentor: Tim Maxwell

# **Survey of the Transhuman Domain**

An investigation into transhumanism as a philosophy which endeavors to understand the implications of inaugurating its central dicta.

#### **Stephanie Angel**

Modesto Junior College Mentor: Rebecca Ganes

## **Climbing Out of Darkness**

A Restorative Journey for Victims of Sex Trafficking

An investigation into the therapeutic practices restoring the lives of sex trafficking's victims in California's Central Valley.

#### **Stefanie Serino**

Sacramento City College Mentor: Paul Frank

## **Sewing Shut the Female Presence**

The Psychological and Economic Effects of Female Genital Mutilation

How the practice of mutilating female genitalia affects international development, poverty and gender equality.

#### **Dania Jafar**

Foothill College Mentor: Georgia Platts

# Think Islam Represses Women's Sexuality? Think Again.

An examination of how misconceptions about Islam have led to mistaken beliefs about women's sexuality in this religion.

# **Room 250**

#### **Michael Nakada**

Sacramento City College Mentor: Paul Frank

# Global Outcry of Indigenous Peoples 5% of the Population, but 15% of the Poorest

An investigation into the discrimination and ostracism of indigenous peoples and the advocacy to cease their cultural devastation.

#### **Jessica Rose**

Cañada College Mentor: Elizabeth Terzakis

# Native American Astronomy A Refined Understanding of the Universe

An exploration of how Native American astronomical ideologies and theories both diverge and complement current knowledge about the universe.

#### **Deniz Akin**

Cañada College Mentor: Alison Field

#### Cahokia

#### Mississippian America's "Forgotten City"

An analysis of the factors behind the rise and fall of Cahokia, ancient America's preeminent urban city circa 1200-1300 C.E.

#### **Johanna Bankston**

Sacramento City College Mentor: Paul Frank

# Elitist Consumerism and the Key to Sustainability

An analysis of the mechanics of North American elitist consumerism and its correlation with implementing economically advantageous sustainability principles.

#### Josh O'Brien

Sacramento City College Mentor: Paul Frank

#### **ASEAN**

#### **Rising Economy, Longstanding Corruption**

The relationship between economic growth and entrenched political corruption in the developing countries of the Association of Southeast Asian Nations.

#### **Jacob Swimme**

Sacramento City College Mentor: Paul Frank

#### **International Debt**

#### Borrowing and Lending Between the U.S. and China

An analysis of the ramifications America will face if it defaults on its debts to China or continues to borrow at the current rate.

# **Room 254**

#### **Matet Malit**

Cañada College Mentor: Elizabeth Terzakis

# Modern Heroes or 21st Century Slaves? Filipina Domestic Workers in the Middle East

A fieldwork examination on policies to protect low-skilled domestic workers in the Middle East.

#### **Miguel Mauricio**

Los Medanos College Mentor: Kasey Gardner

#### **The Lost Generation**

#### What Should be Done to Aid Syrian Refugee Children?

An analysis of the Syrian child refugee crisis with culturallyspecific intervention recommendations based on international best practices.

#### **Natalie Affleck**

American River College Mentor: Kathy Rodgers

## **Singing of Scheherazade**

The Quiet Rebellion of Medieval Arabic Women

An investigation of female storytellers in medieval Arabia and their literary embodiment, Scheherazade of *The Arabian Nights*.

#### **Daniel Maraccini**

Los Medanos College Mentor: Kasey Gardner

# The World Lay Spread Before Me

**A Comparison of Coming of Age Narratives** 

A cross-generational analysis of both unique and universal conflicts in coming of age narratives.

#### Valentina Kaklyugina

Foothill College Mentor: Scott Lankford

# The Shame of *Martin Eden's* Eros The Destructive Nature of Jack London's Creativity

An exploration of *Martin Eden* as one of the most compelling proofs of destructive erotic duality in comparison with Jack London's passionately driven creativity.

# **Room 258**

#### **Ava Gerami**

Foothill College Mentor: Joseph Woolcock

# U.S. Intervention in Iran What Went Wrong

Utilizing Immanuel Wallerstein's World System Analysis approach to analyze U.S./Iranian relations since 1953.

#### John Neveu

City College of San Francisco Mentor: Tal Palter-Palman

# Commieball

The history and future of defected Cuban players in Major League Baseball.

#### **Kristopher Rogneby**

Los Medanos College Mentor: Kasey Gardner

# Goodbye Red and Blue, Hello Purple The Changing American Political Landscape

The description and analysis of a new model that more accurately assesses the political environment of 21st century American politics.

#### **Jacqueline Diaz**

West Valley College Mentor: Michelle Geary

## Scrubbing the Sky

#### **Urban Gardening and Carbon Dioxide Emissions**

How locally grown food in community gardens might help large cities' CO2 output.

#### **Niles Swinney**

Sacramento City College Mentor: Paul Frank

# **America's Car Problem**

#### **The Case for Public Transport**

An examination of America's transportation problem and exploration of potential policy solutions through a comparative global analysis.

#### **Divyashish Kumar**

College of San Mateo Mentor: Harry Nishanian

#### The Real Cost of Time

#### **A Comparison of Distinctive Driving Styles**

An analysis of the effects of acceleration on fuel emissions and implications for aggressive drivers.

# **Room 263**

## Elizabeth Phamhi Jenny Minh-Ai Phamhi Joshua Walters

Skyline College Mentor: Stephen Fredricks

# Niagara Falls in the Restrooms Dumping Water Down the Drains

A systematic investigation of Skyline College's bathroom faucets to assess the extent of their water wasting problem.

#### Alejandro Rivera

El Camino College Mentor: Francesca Bishop

#### Real Life Magic

#### **How A Billboard Is Creating Water Out of Air**

A multifaceted analysis of the Peruvian University of Technology and Engineering's groundbreaking advancement that is creating water out of thin air using only a billboard.

#### Lik Kuen Wu

Orange Coast College Mentor: Megan Hoberg

# Las Vegas Without Hoover Dam Consequences of Global Warming

Hoover Dam, which provides a steady supply of energy and water, is facing a real challenge brought on by serious drought caused by global warming.



Session II Presentations

11-12 p.m.

All presenters and attendees are expected to arrive no later than 11 a.m. and stay for the entire session. Please refrain from entering the room once the session is in progress.

#### **Leigh Ann Davis**

Los Medanos College Mentor: Bridgitte Schaffer

# The Men Who Kept the Cold War Cold The USS *Hornet CVS-12* and Military Strategy

An investigation into naval technologies developed during the Cold War through archival research and oral histories.

#### Jenny Minh-Ai Phamhi

Skyline College Mentor: Ilkka Koskelo

# **Floating to Safety**

**Buoyancy and Safe Ocean Floor Cleanup** 

The formulation and evaluation of a theoretical model predicting the behavior of buoyant objects underwater with applications to ocean floor cleanup.

#### **Edward Mercado**

East Los Angeles College Mentor: Joan Gurfield

## **Agent Argo**

#### **Ernest Hemingway's Life in International Espionage**

Widely known as one of the world's greatest literary minds, Ernest Hemingway lived a double life as an international spy for many decades.

# **Room 228**

#### **Merhawi Ghebrecristos**

Citrus College Mentor: Kenneth Guttman

# Hyperpolyglots and the Language Barrier The Advantages of Adult Multilingual Acquisition

A study of the neurobiological brain mechanisms of adult polygots which revealed increased cognition and language acquisition abilities.

#### Kevin Adler Samia Khan

Skyline College Mentor: Shari Bookstaff

# **Improving Brain Plasticity for Stroke Patients**

Gauging the effectiveness of a digital metronome regimen for improving brain plasticity in stroke patients.

#### **Andrew Gleeson**

College of San Mateo Mentor: Harry Nishanian

# **Triangular and Simplex Numbers An Introduction to Mathematical Thinking**

An exploration of triangular numbers which led to uncharted discoveries.

#### Rachel Kelley

Cabrillo College Mentor: Brian Legakis

# **Hathor's Mirror**

#### **Reflections of Female Identity in Ancient Egypt**

Using art, dance, poetry and cosmetic practices to better understand Ancient Egyptian women and other historically marginalized groups.

#### **Artemio Olivas**

MiraCosta College Mentor: John Turbeville

## **Ancient Hippies**

#### A Geological Interpretation of Classical Literature

How recent geological discoveries validate historical Greek texts and provide scientific explanations of the Delphic oracle's claimed prophetic powers.

#### **Rocio Flores Huaringa**

Los Angeles City College Mentor: Gary Colombo

# Flood Myth Symbolism: A Comparison

An analysis of the origins, veracity and meaning of the symbols and values in flood myths found in many world cultures.

# **Room 250**

#### **Jacob Wager**

Las Positas College Mentor: Robin Roy

# The Guise: A Closer Look at Masculinity

An examination of masculinity and its significance for those who have it and those who do not.

#### **Tiffany Guo**

East Los Angeles College Mentor: Julienne Bernard

#### Still a Man's World

#### **Obstacles for Third Wave Feminists**

Although the Women's Movement made monumental strides towards gender equality, the work for modern day feminists is far from finished.

#### Erica Settlecowski

MiraCosta College Mentor: Christina Hata

# The Glass Ceiling: Not Broken Yet

An analysis of the perceptions of gender roles in the workplace in relation to the glass ceiling effect.

#### **James Flamino**

#### Cañada College Mentor: Paul Roscelli

#### **Bitcoin: Is It Worth It?**

A comparison of alternate currencies from past and present to determine whether today's bitcoin boom is a worthwhile investment.

#### **Christopher Yamas**

## Moorpark College Mentor: Janice Daurio

## **Our Social Contract with the NSA**

Applying social contract theory to philosophically analyze the National Security Agency's secret surveillance of American citizens.

#### Julia Beals

## MiraCosta College Mentor: Patrick Connolly

# Surfing the Deep Web The Underbelly of the Internet

The Deep Web has become a virtual safe haven for criminals due to a high degree of anonymity, which poses significant challenges for law enforcement.

# **Room 254**

#### **Gerald Morlidge**

Cañada College Mentor: Anthony Swanson

# **Emulating the Saints**

The Conversion of Ignatius of Loyola

An examination of the circumstances surrounding the conversion of Saint Ignatius from a self-serving military leader to a leading proponent of Christianity.

#### **Victoria Turney**

Cosumnes River College Mentor: Richard Schubert

#### **Absurdism in Daoism**

An illustration of the strong common foundational elements in Daoism and Camus' absurdist philosophy.

#### **Zachary Anderson**

Cosumnes River College Mentor: Richard Schubert

# Nietzsche, Buddhism and the Value of Suffering

An examination between the philosophies of traditional Buddhism and Friedrich Nietzsche, particularly with regard to human suffering.

#### **Melissa Myers**

Orange Coast College Mentor: Frank Stern

## From Isaac to Jon Stewart

**Jews and Humor** 

An examination of the vital role humor has played in Jewish life and culture.

#### Sophia O'Brien

Mt. San Antonio College Mentor: Edgar Muniz

# The Long and Winding Road

How the British Invasion Defined the American Identity

How Beatlemania compliments the structure, escapism and idealism inherent in American society.

#### **Max Lopez**

Cabrillo College Mentor: Michael Pebworth

# I Wanna Testify: Race and Artistic Autonomy from Funkadelic to Kendrick Lamar

Three case studies which reveal ways the American music industry segregates "black" and "white music" and how recent changes might create more opportunities.

# **Room 258**

#### Sophia Brink

Cañada College Mentor: Patty Hall

# **Beyond Medications**

An examination of "bio-psycho-social" alternative treatments for autistic individuals.

#### **Isabel Hermsmeyer**

MiraCosta College Mentor: Lynne Miller

#### **Diet and DNA**

#### **Nutrigenomic Impact of Food on Health**

How different diets can alter genetic expression and prevent health issues like cancer, obesity and aging.

#### **Kayla Sheldon**

MiraCosta College Mentor: Lynne Miller

# **The Epigenetic Implications of Child Stress**

A presentation of the impacts of childhood stress on an individual's genes which can correlate with a multitude of anxious behaviors in adulthood.

#### **Angelique Nguyen**

Modesto Junior College Mentor: Chad Redwing

# Home Away From Home The Silent Struggle of Assimilation

An exploration of 20th century Californian migrants' struggles and their efforts to construct a sense of home in a foreign geography.

#### Aaron Wodka

Fullerton College Mentor: Jodi Balma

#### Is This the Solution?

#### A Close Analysis of Oregon's "Pay it Forward Bill"

An examination of Oregon's new college financing program which takes a percentage of graduates' earnings in lieu of tuition.

#### **Daphne Ruiz**

Fullerton College Mentor: Jodi Balma

# **Por la Causa:** Creating a Transfer-Driven Culture at Continuing Education Schools

Utilizing critical race theory to form a mentorship program at continuing education schools to increase community college students' transfer rates.

# **Room 263**

#### **John Niroula**

Los Angeles City College Mentor: Paul McCudden

# **The Spitzer Space Telescope**

#### **Groundbreaking Discoveries and Innovative Design**

The Spitzer Space Telescope is a technological marvel that has revolutionized observational astronomy with its analysis of infrared light.

#### Skyler Saleebyan

Glendale Community College Mentor: Michael Harnett

## The Tadpole's Tail

#### **Life Cycles of Mass Star Formation Regions**

A determination of massive stars' effects on the next generation of star formation using an analysis of infrared data.

#### **Kareem Shaik**

MiraCosta College Mentor: John Turbeville

#### The Life of a Dead Planet

#### **Links Between Martian Geology and Habitability**

A reconsideration of the popular idea of Mars through new data regarding geological activity, and what this implies for human survival on the planet.



# Session III Presentations

1:15-2:15 p.m.

All presenters and attendees are expected to arrive no later than 1:15 p.m. and stay for the entire session. Please refrain from entering the room once the session is in progress.

#### **Aric Deardorff**

MiraCosta College Mentor: Christopher Sleeper

# **Shameful Lies:** Parallels between the Pro-Slavery and Anti-Gay movements

A comparison of the arguments used to justify slavery in Antebellum America with those being levied against the LGBT movement today.

#### **Bernie Leung**

College of San Mateo Mentor: Tim Maxwell

# Mandela: The Man and Story

How Nelson Mandela's stunning success as storyteller, icon and revolutionary leader made revolution against South African apartheid possible.

#### **Erin Harris**

College of San Mateo Mentor: Tim Maxwell

#### **Neocolonialism in South Africa**

An examination of Monsanto Company's monopoly of the South African agricultural market as a form of neocolonialism.

# **Room 228**

## Melanie Stuart Jandery Morales

San Diego Mesa College Mentor: Denise Rogers

# **Comfort Women:** Using Traditional Iconographic Symbols to Reveal Personal Tragedy

An analysis of the sexual slavery of Chinese and Korean women during wartime as a manifestation of male entitlement and statesanctioned colonial policy.

#### **Chen Wang**

Saddleback College Mentor: Collette Chattopadhyay

# Book From the Sky to Book From the Ground Art, Language, and Transformation

An interpretation of influential Chinese artist Xu Bing's interrogation of written language through the lens of artificially created characters and icons.

#### **David Colonia**

West Valley College Mentor: Ann Malmuth-Onn

# A Vicious Cycle The World of Bay Area Graffiti Writers

A comparative ethnology of the structures of Bay Area Graffiti Crews with those of the hunter gatherer societies of the Yanomami and the Dobe ju/'hoansi.

#### **Jose Alvarez**

Los Medanos College Mentor: David Zimny

#### **Dennis Tekell**

Los Medanos College Mentor: David Zimny

## **Skynet is Coming**

#### A Legal Analysis of the Ethics of Killer Robot Technology

American military technologies have grown increasingly more autonomous over the years, removing humans entirely. Should this be legal?

#### **War Games**

#### **Questioning the Legitimacy of Political Simulations**

An analysis of the validity of the online international relations simulator Statecraft and how well it models real life geopolitics.

# **Room 250**

## Kyle Henderson Ben Barraclough

Foothill College Mentor: Eta Lin

#### **Emily Lau**

American River College Mentor: Michaela Cooper

#### Laila Talpur

College of San Mateo Mentor: Mohsen Janatpour

# To Cheat or Not to Cheat? A Case Study of Students' Perceptions

A study on students' perceptions and motivations on academic dishonesty after implementation of the new Academic Integrity Policy at Foothill College.

#### **Tilt Shift**

#### Beauty, Art and Transformation in a Postmodern Digital Era

An exploration of the concept of artistic beauty through an examination of Serena Maylon's tilt-shifted images of Van Gogh's paintings.

# Camera Industrialization Visual Aesthetics and Visual Thinking

An analysis of the industrialization of the movie camera and its effects on the audience's perception of the visual aesthetics this technological movement has enabled.

#### Darren Kwee Giovanna Mendez

Norco College Mentor: Stan Tyler

## **Matt Raftery**

MiraCosta College Mentor: John Turbeville

#### **Umayr Sufi**

Las Positas College Mentor: Mircea Gheorghiu

#### Omayr Sun

# **Building a Better Battery**

Exploring the synthesis of Lithium Ion Phosphate (LiFePO4) nanowires, a one-dimensional nanostructure, for large-scale energy storage application.

#### **Built Upon Sand**

#### Reassessing San Diego County's Tsunami Potential

Research indicates that San Diego County has the potential for large, devastating tsunamis evidenced by past events in the local rock record.

## **Green Chemistry**

#### **Furan and the Diels-Alder Reaction**

A presentation of experimentation done to unveil more green pathways for making derivatives of furan via the Diels-Alder reaction.

# **Room 254**

#### **Bahareh Sorouri**

Irvine Valley College Mentor: Emalee Mackenzie

# Links Between Vitamin D Receptor Point Mutations and HVDRR

A study of structural differences in vitamin D receptors that influence the formation of hereditary vitamin D-resistant rickets (HVDRR), a disease causing soft and distorted bones.

#### Sikandar Bangash

El Camino College Mentor: Stephen Leonelli

#### **Sickle Cell Anemia and Fatal Infections**

Why are Sickle Cell patients easily prone to serious infections? Does the nervous system contribute to this vulnerability? An investigation.

#### **Julianne Lee**

Fullerton College Mentor: Sheilah Stokes Dobyns

# The Effect of CTL019 Cells in Leukemia Patients

A presentation of the details and efficacy of innovative methods to modify HIV cells to fight cancer in leukemia patients.

#### **Anna Firpo**

Cabrillo College Mentor: Steve Schessler

#### **Prosthetics**

#### **Getting a Leg-Up on Traditional Medicine**

Physiological technology is on the brink of a revolution that may one day make many painful and dangerous medical treatments obsolete.

#### Lydia Natoolo Burnam

Saddleback College Mentor: Margot Lovett

#### **Horrors of Water**

#### **Cholera in London and Uganda**

An examination of the correlations between the cholera epidemics in 19th century London and modern-day Uganda and the role played by lack of clean water supplies.

#### **Brittany Hubble**

El Camino College Mentor: Francesca Bishop

#### **Mitochondrial Transfer**

#### **Putting an End to Mitochondrial Disorders Forever?**

Mitochondrial transfer is a new in vitro fertilization procedure that scientists are using to prevent fatal and incurable illnesses.

# **Room 258**

#### **Anahita Sarvi**

Saddleback College Mentor: Karla Westphal

# Forget the Rules - Discover Them!

The Essential Role of Creative Thinking in Mathematics

How creative thinking in mathematics can challenge stereotypes and relieve math anxiety.

#### **Angel Lim**

Skyline College Mentor: Jon Freedman

# How Training Memory Will Improve America's Education System

An exploration of how a trained memory can be integrated into education systems to improve learning outcomes.

#### Raissa Marchetti-Kozlov

Cañada College Mentor: Patty Hall

# **Early Childhood Education**

**How Quality Affects Outcomes** 

A multidimensional analysis on how appropriately preparing young children for the world can set the stage for lifelong excellence.

#### **Laura Martin**

MiraCosta College Mentor: Lynne Miller

# The Neuroscience of Religion Is Religion Really Science After All?

Introductory research that suggests genes, neurochemistry and neural anatomy contribute to the regulation of an individual's religious predisposition.

#### **Michael Kiggins**

Las Positas College Mentor: Christina Lee

# **Strategic Colorblindness & Social Behaviors**

How homogeneous populations' lack of exposure to diversity causes an increase in strategic colorblindness, or avoiding racial differences in an effort not to appear racist.

#### **Brian Yu**

Mt. San Antonio College Mentor: Rebecca Hatch

# **Got Game?** Pick-Up Artists' Techniques and Societal Impact

An examination of the psychological methods used to pick up women in different situations and the ethics of their actions.



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