

CHEMISTRY			PHYSICS			BIOLOGY		
Mondays, 3:00-4:00 Salazar 2014			Mondays, 3:30 Coffee, 4:00 talk Darwin 103			Tuesdays, Noon-1:00 Darwin 103		
1/26			2/2	Dr. Natalie Batalha, San Jose State Univ. & NANA	Kepler's Hunt for Habitable Planets	1/27	Dr. Tom Buckley	Intro by Colloquium Coordinator
2/2			2/9	Dr. Michael Dine, UC Santa Cruz	The Convergence of Particle Physics and Astrophysics: The Lhc/Fermi Era	2/3	Dr. Tom Buckley, SSU	Controls on Transpiration of Subalpine Forests of Australia
2/9	Katrina Miranda, University of Arizona	Design of nitrogen oxide donors with analytical and pharmacological utility	2/23	Dr. Anja von der Linden, Kavli Institute for Particle Astrophysics & Cosmology, & Stanford Univ.	The Light, The Dark, and The Hot Gas: Dissecting Galaxy Clusters	2/10	Mark Netherda, M.D., Sonoma County Dept. of Health Services	Pandemic Flu
2/23	Tom Gadek SARCODE	A chemist's lessons from Biology	3/2	Dr. Michael M. Mielke, Raydiance, Inc.	Ultrashort Pulse Lasers In Industrial Applications	2/17	Dr. Dina Kovarik, Univ. of Washington	Development of the E2DISP Antigen Display system as a Novel HIV Vaccine approach
3/2	Tom Huxford, Dept. of Chemistry & Biochemistry San Diego State Univ.	Biochemical approaches for the study of transcription factor NF-kappaB	3/9	Dr. Stephano Marchesini, Lawrence Berkeley National Laboratory	Imaging With X-Ray Lasers	2/24	Jessica Young, Molecular & Cellular Biology Program, University of Washington	Autography in the Nervous System: Regulation and Role in Neurodegenerative Disease
3/9	Gilles Muller, Dept. of Chemistry, San Jose State	Discovery & Contribution of Undergraduate Students to the Exotic Research Field of Circularly Polarized Luminescence Spectroscopy	3/16	Dr. Andrew Minor, UC Berkeley & Lawrence Berkeley Nat'l Laboratory	Nanomechanics: Why the Strength of a Material is Related to its Size	3/3	Julie Woodruff, PhD Candidate, Dept. of Integrative Biology, UC Berkeley	Investigating the Costs & Benefits of Group Living in a Patagonian Rodent
3/16	Jon Marhenke, Department of Physical Sciences Butte College	An organometallic compound with an Osmium-HNO bond: synthesis, photochemistry, and biological relevance	3/23	Dr. Lynn Cominsky, Sonoma State University	Exploring the Extreme Universe with Fermi	3/10	Mark Netherda, M.D., Sonoma County Dept. of Health Services	Pandemic Flu
3/23	Chemistry Student Presentations – Shannon White and Amrit Kaur		3/30	Jeremy Hieb, UC Santa Cruz & Zero Motorcycles	Energy Research in Denmark	3/17	Dr. Wenonah Vercoutere, Radiation & Space Biotechnologies, NASA Ames Research Center	TBA
3/30	Chemistry Student Presentations – Heather Turner and Jenny Pomponio		4/6	Dr. Jodi Cooley, Stanford University	Whispers in the Dark	3/24	Jonathon Stillman, Romberg Tiburon Center & Dept. of Biology, SF State University	Physiological Responses of Marine Invertebrates to Habitat Temperature Fluctuation
4/6	Chemistry Student Presentations – Andrew Davidson & Kaitlin Fisher		4/13	Spring Break No Colloquium		3/31	No Class – Cesar Chavez Birthday holiday	
4/27	Chemistry Student Presentations – Rosemary Mutunga and Michelle Fletcher		4/20	Dr. Enrico Ramirez-Ruiz, UC Santa Cruz	Cosmic Colliders	4/7	Dr. Heather Davis	The Way the Wind is Blowing: Genetics & Reproductive Biology of Two Rare Vernal Pool Grasses
5/4	Pradip Mascharak, Department of Chemistry and Biochemistry UCSC	Designed Photoactive Metal Nitrosyls for Site-specific NO Delivery	4/27	Dr. Bryant Hichwa, Sonoma State University	The Acoustics of Baroque Bassoons	4/14	No Class – Spring Break	
5/11	Chemistry Student Presentations – Jane Gacegu & Tyler Woolsey		5/4	Dr. Joseph S. Tenn, Sonoma State University	Thirty-Nine Years of Physics and Astronomy at Sonoma State University	4/21	Dr. Sharon Martinson, UC Santa Cruz	Plant Herbivore Interactions
						4/28	Tom Parker, SF State University	TBA
						5/5	Joel Nelson, Ph.D. Cand, University of Washington	Better Faster ChIP: Demonstrating Kinsases at Chromatin & Beyond
						5/12	Dr. Chris Guay, Dir. Of Research & Development, American Biodiesel, Inc.	Biodiesel Production from Heterotrophic Microbes

MATH & STATISTICS			COMPUTER SCIENCE			GEOLOGY		
Wednesdays, 3:45 Refreshments, 4:00 talk Darwin103			Thursdays, Noon Salazar 2016			Thursdays, Noon Darwin 128		
2/4	Charles Hamaker, St. Mary's College	Mathematics of X-ray Tomography	2/5	Tuoshi Lu, Yahoo!, Sunnyvale	Large Scale Web Search Engine Design Basics and Challenges	3/5	TBA	
2/11	Ronald Graham, UC San Diego	Iterated Triangle Partitions	2/12	Helen Pai, Douglas Felder, Ernesto Frutos, F2ware, San Jose	F2ID Solution, Peace of Mind for Web Access	3/12	Kelly Richardson & Amanda Ketsdever, Sonoma State University graduates	Surviving the deluge: Multiple post-graduation pathways for the SSU Geology Major in the modern economy
2/18	Bill Barnier, Sonoma State University	Student Projects From Math 180	2/19	Mary Baker, Hewlett-Packard, Palo Alto	Storing Stuff Forever	3/19	TBA	
2/25	Nick Franceschine, North Bay Pensions	What an Actuary Actually Does	2/26	Paul Vixie, Internet Systems Consortium, Redwood City	DNS Summer of Fear 2008: How I Learned to Stop Worrying & Love 16 Bit Nonces	3/26	Matty Mookerjee; SSU	Implications of three dimensional thrust geometry on thrust sheet kinematics: Integrating field analysis with a kinematically-based mathematical model for Moine thrust zone, NW Scotland
3/4	Valeria de Paiva, Palo Alto Research Center	CLiCS: Categorical Logic in Computer Science -- where do we stand now?	3/5	Greg Scull, FCMAT/Calif. School Information Services, Sacramento	Implementing Enterprise Application Architecture Design Patterns: A Real World Example	4/2	Sara Brownlee, UC Berkeley	40 ^{Ar} /39 ^{Ar} Thermochronology of the Ecstall pluton & implications for paleomagnetism of British Columbia
3/11	Pete Goetz, CSU Humboldt	Why Certain Integrals Are "Impossible"	3/12	Ytha Y. Yu, California State University E Bay, Hayward	Ruby - An Introduction	4/23	Noah Finnegan; UC Santa Cruz	Bedrock incision, hillslope denudation, & landscape evolution of the Eel River Watershed.
3/18	Cora Neal, Sonoma State University	Student Projects from Math 467	3/19	Oscar Ibarra, University of Calif., Santa Barbara	Computing With Cells: Membrane Systems	4/30	Dan Karner; SSU	A fresh look at old geologic problems in Sonoma and Marin Counties
3/25	Brant Jones, UC Davis	A Bijection On Core Partitions	3/26	David Pease, IBM Almaden Research Center, San Jose	Storage Class Memory Technology and Use	5/7	Forest Fortescue & Evan Ernstson; SSU students	Quantifying the amount of thinning in a zone of transpressional shearing: A kinematic analysis of the Rosy Finch shear zone
4/1	Elena Marchisotto, CSU Northridge	Projective Geometry from Pappus to Pieri	4/2	Thomas Poff, Micromat, Santa Rosa	Diagnostic Tools, Case Tools, Modern Apps	ENGINEERING SCIENCE		
4/8	John Martin, Santa Rosa Junior College	Gold Rush! – Discovering the Golden Ratio	4/9	Bill Blunden, San Francisco State University, San Fran.	Rootkits	Alternate Thursdays, 4:30-5:30 Salazar 2009A		
4/22	Scott Nickleach, Sonoma State University	Randomized Response, The Power of Simulation, & the Simulation of Power	4/16	SPRING RECESS (No Colloquium)		2/5	Dr. Mudhafar Hassan-Ali, Zhone Technologies	Municipal Wireless Mesh as a Broadband Platform
4/29	Juan Meza, Lawrence Berkeley National Laboratory	Mathematics, Energy, and Climate Change Math Fest	4/23	Pam Samuelson, University of California, Berkeley	Is software still patentable? Should it be?	2/19	Professor Ravi Kumar, CS & ES Departments, SSU	Pen-based Computing at SSU
5/6	Chad Griffith, Former Sonoma State Student	Use of the Gradient Vector in Constructing a Solar Electric System	4/30	Jason Shankel, Maxis Software, Emeryville ---Pizza after talk---	Understanding Rotation	3/5	Mr. Mike Resso, Agilent Technologies	Signal Integrity Challenges & the Engineering Tools that Solve These Problems
			5/7	STUDENT PRESENTATIONS ---Pizza after talk---	Short Presentations of Research carried Out By SSU Computer Science Students	3/19	Dr. Patrick Pfeffer, Juniper Networks	Telecom 2020
			5/14	END OF SEMESTER CELEBRATION ---Pizza after ceremony---	Awards Presented to Sonoma State Computer Science Majors	4/2	Dr. Don Estreich, Agilent Technologies	Restriction on Hazardous Substance (ROHS)
						4/23	Professor Alexandra Von Meier, Environ. Studies & Planning Dept, SSU	Energy Technology & the Carbon Imperative: The Case for an Audacious New Vision