

**Fall 2012**

September 7	FLC Students	"Undergraduate Summer Research and Intern Experiences"
September 14	Dr. Franco Einaudi, Director, Earth Sciences Division (retired) - NASA	"Weather and Climate: Its Science, Its Applications, and Challenges"
September 28	Dr. John Rakus Visiting Professor Fort Lewis College	"Lectin Microarrays as a Strategy to Identify and Characterize Glycosylation Regulatory Pathways"
October 5	Dr. Chris Beaudry Oregon State University	"Synthesis of Natural Products with Conformational Chirality"
October 12	Dr. Aimee Morris Visiting Professor University of New Mexico	"A Journey through Bio-Inorganic Chemistry: From Biologically-Inspired Synthetic Catalysts to Protein Aggregation Relevant to Neurodegenerative Diseases"
October 17	Dr. Rigobero Hernandez Georgia Institute of Technology	"Pulling Proteins Apart on a Computer: How and Why"
October 26	Dr. Jen Heemstra University of Utah	"Small-Molecule Detection Using DNA Assembly-Driven Reactions"
November 30	Dr. Mary Jo Ondrechen Northeastern University	"How Big Are Enzyme Active Sites?"

**Winter 2013**

January 18	Asa Carre'-Burrill Fort Lewis College	"The Mechanisms of the Ullmann Amination Reaction"
	David McCasland Fort Lewis College	"The Analysis of Polyunsaturated Fatty Acids Using HPLC-MS"
January 25	Kevin Snyder Fort Lewis College	"N-Heterocyclic Carbenes as Ligands in Metal Mediated, Asymmetric, C-H Insertion"
February 1	Nick Mimmack Fort Lewis College	"Drug-Food Interactions Between Grapefruit Juice and Cholesterol Lowering Medication Atorvastatin"
	Josh Dahlke Fort Lewis College	"Total Synthesis of Bryostatins 1"

**Winter 2013 (Cont.)**

February 8	Rene Garcia Reyes Fort Lewis College	"The Development of Covalent Organic Frameworks as Gas Storage Materials"
	Chris Regnery Fort Lewis College	"The Rise and Fall of Natural Product-Based Pharmacology: How The Pharmaceutical Industry Mucked Everything Up"
February 15	Jamie Dougherty Fort Lewis College	"Neuroleptic Revolution: Antipsychotic Drug Development"
	Kallie Green Fort Lewis College	"Elemental Analysis of Inorganic Colorants in Artwork"
February 22	Fran Whitehead Fort Lewis College	"Enzymatic Degradation: Where Human Proteases Fall Short"
	Carrisa Hirsh Fort Lewis College	"Development of Fibrin Scaffolding and Its Applications in Tissue Engineering and Bio-Medicine"
March 15	Patrick Succo Fort Lewis College	"Analyzing Potential Inhibitors to End the Journey of Neuron Induced <i>Clostridium botulinum</i> Neurotoxin"
	Tracey Williams Fort Lewis College	"Tumor-Associated Carbohydrate Antigens Based Anticancer Vaccines for Cancer Prevention"
March 22	Jesse Gordon-Blake Fort Lewis College	"Health Risks of Current Polymer Use: Phthalate Induced Tumorigenesis in Breast Cancer"
	Sunny Ketchum Fort Lewis College	"Metal-Ligand Cross-Linked Polymers in Mussel Mimetic Adhesives"
March 29	Tabitha Fischer Fort Lewis College	CD8+ T cell Receptor Recognition of HIV Epitope Binding HLA-B MHC Class I and Its Control of HIV
	Jaime Benage Fort Lewis College	the Treatment of Cognitive Disorders"
April 5	Justine Smith Fort Lewis College	"Ruthenium Organometallic Complexes: Changing Antibiotics to Anticancer"
	RJ Parke Fort Lewis College	"Possible Treatment of Alzheimer's Disease: A Look at Amyloid-Beta and Tau Proteins"
April 12	Skyler Hollinbeck Fort Lewis College	"Lignin Decomposition by White-Rot Fungi: An Investigation of Lignolytic Peroxidase Enzymes"
	Kevin Sandoval Fort Lewis College	"Producing Better Students by Improving Chemical Literacy"

***Participation in the Seminar Program is a requirement for the Bachelor of Science Degree in Chemistry at Fort Lewis College***