



BIOSPHERE

The Weekly Bulletin of Biology

Biology Colloquium: Friday, 25 January 2013, 2:00 pm in CR 5125

"Examination of Methanophage G (PG) and Its Host Methanobrevibacter strain G"

Dr. Larry Baresi
Department of Biology, CSUN

Did you Know ... ?

Dr. **Jonathan Kelber** has played the bass for 25 years, surfed for 20 years, and raced triathlons for 12 years?

Cover Art

Mark Harris' photos are the cover art for this month's issue of *Plant Molecular Biology Reporter*. Harris and others from the Vandergon lab have an article in that issue (announced previously). The art shows some very handsome flowers.

Biotech Conferences

The CSU system's biotechnology consortium had its meetings over the break, and our Department of Biology contributed an impressive number of posters. (Actually CSUN's Department of Chemistry and Biochemistry also was out in force.) Mentioning only the presenting authors, our people gave forth as follows:

- **Jessie Lopez**, "Visualizing illness: investigating methylmalonic acidemia in *C. elegans*"
- **Ruslan Nuryyev** and **Shahab Younesi**, "Implanted human embryonic stem cells

ameliorate ataxic symptoms in the *spastic* Han-Wistar rat"

- **Jacquelyn Saunders**, "Transcriptional regulation of the *Slit2* gene core promoter"
- **Corina Calderon**, "Role of a small heat-shock protein in development and stress adaptation of *Nostoc punctiforme*"
- **Jamie Lee**, "An in-vitro transcriptional study of SigG in *Nostoc punctiforme*"
- **Marc Robes** and **Shannon Wood**, "A dynamically localizing bacterial polyester affects cell growth and size"
- **Ram Wolman** and **Bao Nguyen**, "*Caulobacter crescentus* SpoT is essential for preventing the overinitiation of DNA replication during fatty acid starvation"
- **Laurelin Wolfenden** and **Malachia Hoover**, "Subcellular proteomics reveals a functional molecular network in pancreatic cancer"
- **Andrew David Gisis**, "Sensitivity of human leukemic Sup-T1 cells to chemotherapeutic agents"
- **Joseph Aldahl**, "microRNA as a potential regulator of BMP-mediated chondrocyte development"
- **Grant Weiss**, "Identification of a putative *Legionella pneumophila* ARF1 guanine nucleotide activating protein"
- **Jessica Cinkornpumin**, "A lipid-binding protein that modifies cGMP signaling is

required for host odor sensing and body morphology in *Pristionchus pacificus*"

- **Kristen Dias** and **Tiffany Myers**, "Gene gap investigation of chalcone synthase in California tarweeds and Hawaiian silverswords"
- **Ezequiel Andrade** and **Jenny Han**, "Evolution of SoxE gene in metazoans"
- **Sandra Sanchez**, "Characterization of sigB2 expression and identification of genes under its control in *Nostoc punctiforme*"
- **Richard Swan**, "Directing skeletal muscle progenitor cell fate from human pluripotent stem cells"
- **Yesai Fstkchyan**, "APOBEC3G influences hematopoietic lineage commitment"
- **Daniel Sivalingam** "Using induced pluripotent stem cell technology to improve our understanding of idiopathic pulmonary fibrosis"
- **Maria Lavarreda-Pearce**, "Chondrocyte differentiation and proliferation is regulated by Smad2/3 mediated TGFbeta signaling in postnatal growth plate"

- **Soyeon Kwon**, "Isolation of human ESC-derived corneal endothelial cells for the treatment of cornea dysfunction."

- **Sandra Escobar**, "Identification of the role of succinate dehydrogenase subunit B (SDHB) in human pluripotent stem cell metabolism, pluripotency, and differentiation"

- **Anjelica Cardenas**, "Targeted therapy of leukemia stem cells in PTEN-deficient T-cell acute lymphoblastic leukemia (T-ALL)"

- **Anthony Cuccia**, "Chimeric antigen receptors with 4-1BB co-stimulation for modification of hematopoietic stem/progenitor cells as a novel approach for cancer immunotherapy"

- **Anu Dimashkie** presented two posters from different labs, "Examining Myb genes involved in the anthocyanin pathway of Hawaiian silversword and California tarweeds" and "Epigenetic barriers to X chromosome reactivation during reprogramming to induced pluripotency."

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Department of Biology
 California State University, Northridge
 Editors: Paul Wilson and Robert Espinoza
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