Photos in this issue of the CAMB newsletter include images from CB social events, the 2009 CAMB Symposium, 2009 Orientation, MD/PhD Band Freaks of Nurture, and the 2009 CAMB Holiday Party.
CAMB Symposium

Congratulations to our poster winners!

CB — Kevin Smith  
CBP — Lili Guo  
DSRB — Alison Dell  
GGR — Claude Warzecha  
GTV — Lauren Hirao  
MVP — Kim Davis

The CAMB students and faculty would like to thank the following sponsors of the 2009 Symposium:

**UNIVERSITY OF PENNSYLVANIA INSTITUTES, DEPARTMENTS, AND TRAINING GRANTS**

Abramson Family Cancer Research Institute  
M. Celeste Simon, Ph.D., Scientific Director

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Jonathan A. Epstein, M.D., Chair

Department of Dermatology  
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Richard M. Schultz, Ph.D., Co-P.I.  
Marisa Bartolomei, Ph.D., Co-P.I.

Training Program in Comparative Medicine and Medical Genetics  
NIH Training Grant T32RR007063  
John H. Wolfe, V.M.D., Ph.D.

Training Program in Developmental Biology  
NIH Training Grant T32HD007516  
Jonathan A. Raper, Ph.D.

Training Program in Gene Therapy for Cystic Fibrosis and Genetic Diseases  
NIH Training Grant T32DK07748  
John H. Wolfe, V.M.D., Ph.D.

Training in Tumor Virology  
NIH Training Grant T32  
Erle Robertson, Ph.D.

http://www.med.upenn.edu/camb/
Congratulations August Graduates

10 CAMB students received PhDs in August 2009.

Jason Carnegie
Advisor: Dr. Brian Wolf
“Characterization of the Expression, Localization, Regulation, and Role of Pancreatic Derived Factor (Pander FAM3B) in Pancreatic Alpha Cells.”

Michelle Castelletto
Advisor: Dr. James Lok
“Role of the Forkhead Transcription Factor, FKTF-1, in the Development of Strongyloides stercoralis”

Rachel Kaletsky
Advisor: Dr. Paul Bates
“Host cell factors involved in Ebola virus entry and spread”

Ryan King
Advisor: Harvey Friedman
“Galectin-3, Glycoprotein C, and the Innate Immune Response to Herpes Simplex Virus Type 1.”

Kimberly Kraynyak
Advisor: David Weiner
“Modulation of the Immune Response at Systemic and Mucosal Sites by DNA Vaccine Adjuvants in HIV and Influenza Models”

Helen McGraw
Advisor: Harvey Friedman
“The Roles of Glycoprotein Glycoprotein 1, and US9 in Neuronal Spread of Herpes Simplex Virus Type 1.”

Julie Norsseen
Advisor: Dr. Paul Lieberman
“RNA-Dependent Recruitment of ORC to the Epstein-Barr Virus Origin of Replication”

Anil Panigrahi
Advisor: Dr. Nina Luning Prak
“RS Rearrangement: Observations and Implications from a Novel Assay of B Cell Tolerance”

Gladys Varela
Advisor: Dr. Rex Ahima
“Regulation of hepatic triglyceride metabolism by Adipose Differentiation-Related Protein”

Catherine Wharry
Advisor: Dr. Michael May
“Constitutive Non-Canonical NF-κB Signaling in Pancreatic Cancer Cells”

Abby Olsen and Ana Cristancho
Congratulations December Graduates
10 CAMB students received PhDs in December 2009

Shelby Blythe  
Advisor: Peter Klein  
“Transcriptional Poising Prior to the Midblastula Transition Underlies Dorsal Cell Fate Specification by the Wnt/β-catenin Pathway”

Matthew Buas  
Advisor: Thomas Kadesch  
“Mechanisms of Notch-Mediated Inhibition of Skeletal Myogenesis”

Lisa Chang  
Advisor: Daniel Kessler  
“Transcriptional and Translational Control of Zebrafish Mesodermal Development”

Kathryn Claiborn  
Advisor: Doris Stoffers  
“The Role of a Ubiquitin Ligase Adaptor Protein in Glucose Homeostasis and Beta Cell Mass”

Gregory DelPrete  
Advisor: James Hoxie  
“Gaining CXCR4 Utilization: Mechanisms and Consequences”

Joanna DiSpirito  
Advisor: Hao Shen  
“Unique Transcriptional and Chromatin Profiles of Memory CD8+ T Cells”

Prashanthi Javvadi  
Advisor: Costas Koumenis  
“Impact of the mechanisms involved in radiosensitization of squamous carcinoma cells by the chemopreventive agent curcumin”

Boxun Lu  
Advisor: Dejian Ren  
“Roles of the ION channel NALCN in Neuronal Excitability Control”

Kunal Patel  
Advisor: Jeffrey Bergelson  
“COXSACKIEVIRUS B3 entry into non-polarized hela cells”

Uma Sachdeva  
Advisor: Craig Thompson  
“The circadian clock as a sensor of cell metabolic state: Interactions between nutrients, growth factors, and the mammalian clock machinery”
Recent Papers from Students


**Margaret Fleetwood, Christine Reid, Elia Tait**
Recent Papers from Students Cont.


Recent Papers from Students cont..


Recent Papers from Students cont..

**Liu, J.**, Yue, P., Artym V.V., Mueller S.C. and Guo, W.  


A yeast glycoprotein shows high-affinity binding to the broadly neutralizing human immunodeficiency virus antibody 2G12 and inhibits gp120 interactions with 2G12 and DC-SIGN. J Virol. 2009 May;83(10):4861-70.

AAV capsid structure drives CD4-dependent CD8+ T-cell response to vector encoded proteins. J. Immunology. May 15;182 (10):6051-60.


**Nayak RR**, Kearns M, Spielman RS, Cheung VG..  


Joanna DiSpirito, Ana Cristancho, Abby Olsen, and Dan Feng
Ruchira Ranaweera, Emma Reuschel, Lara Abramowitz, Emily McMillan, and Stephen Kadauke


Luis Cocka and Sarah Clark
Recent Papers from Students cont..


**Warzeca CC**, Shen S, Xing Y, Carstens RP. The epithelial splicing factors ESRP1 and ESRP2 positively and negatively regulate diverse types of alternative splicing events. RNA Biology 2009 Nov 22;6(5).


We in the CAMB office bid farewell to Jane, a much-loved mentor, teacher, and friend. Jane was an accomplished scientist and teacher who was devoted to the success and well-being of all Penn students. Jane had a gift for giving support and comfort to everyone, while inspiring them to do their very best. She was a caring and supportive supervisor, mentor and teacher who is dearly missed.
**Honors & Awards**

**Dr. Craig H. Bassing**, assistant professor in the department of pathology and laboratory medicine, is the winner of this year’s Michael S. Brown New Investigator Research Award.

**Dr. Lewis Chodosh**, Associate Director for Basic Science and Director of the Breast Cancer Research Program for the Abramson Cancer center, Director of Cancer Genetics for the Abramson Family Cancer Research named to J. Samuel Staub, M.D. Professorship at the Abramson Cancer Center.

**Dr. Thomas Curran**, Professor of Pathology and Laboratory Medicine; Investigator at the Abramson Family Cancer Research Institute at Penn Deputy Scientific Director at CHOP elected as ma member of the Institute of Medicine.

**Dr. James Hoxie**, Professor of Hematology-Oncology named a Fellow in the American Academy of Microbiology

**Dr. Christopher Hunter**, Professor and Chair of Pathobiology named a Fellow in the American Academy of Microbiology

**Dr. Frank Lee**, Associate Professor of Pathology and Laboratory Medicine was awarded the new NIH Director’s Transformative RO1 Award.

**Dr. Mark A. Lemmon**, professor of biochemistry and biophysics, is the winner of this year’s Stanley N. Cohen Biomedical Research Award

**Dr. Peter C. Nowell**, Gaylord P. and Mary Louise Harnwell Emeritus Professor of Pathology and Laboratory Medicine is the recipient of the 2010 Benjamin Franklin Medal in Life Science.

**Dr. Paul A. Offit**, Chief of the Division of Infectious Diseases and Director of the Vaccine Education Center at The Children’s Hospital of Philadelphia, is the winner of this year’s William Osler Patient Oriented Research Award

**Dr. Joshua Plotkin**, the Martin Meyerson Assistant Professor in Interdisciplinary Studies has been awarded an $875,000 Packard Fellowship for Science and Engineering.

**Dr. Amita Sehgal**, Professor of Neuroscience, Investigator with the Howard Hughes Medical Institute was elected as a member of the Institute of Medicine.

**Dr. James Shorter**, Assistant Professor of Biochemistry and Biophysics is a recipient of a 2009 Ellison Medical foundation New Scholar Award in Aging

**Dr. Craig Thompson**, Associate Vice-President of Cancer Services, UPHS, Professor of Medicine and Cancer Biology, is the inaugural chair holder of the John H. Glick, M.D. Abramson Cancer Center Director’s Professorship.

**Dr. Sarah Tishkoff**, the David and Lyn Silfen Associate Professor and Penn Integrates Knowledge Professor received the 2009 NIH Pioneer Award

The following faculty were awarded the Institute of Aging Grants Pilot Research Grant in support of Aging and Aging-related Research:

**Dr. Joseph Baur**
**Dr. Eric J. Brown**
**Dr. Yuko Kimura**
**Dr. John H. Wolfe**

**Many of these listings are from the Almanac.**

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Dr. Russ Carstens and Dr. Zhaolan (Joe) Zhou
New CAMB Faculty

We would like to welcome the following faculty that joined CAMB this year

**Michael Elovitz, M.D., (GTV), Assistant Professor at the University of Pennsylvania, School of Medicine; Director of the Maternal and Child Health Research Program and the Director of the Maternal and Fetal Medicine Fellowship.**

**Kristin Lynch, Ph. D., (GGR), E.E. and Greer Garson Fogelson Scholar in Biomedical Research, Associate Professor (tenured), Department of Biochemistry & Biophysics**

**Randolph Matthews, M.D., Ph.D., (DSRB), Assistant Professor of Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition**

**Emile R. Mohler III, M.D., (GTV), Director of Vascular Medicine for the UPHS, Associate Professor of Medicine**

**Daniel J. Powell Jr., Ph.D. (GTV), Assistant Professor, Dept. of Pathology and Laboratory Medicine, Assistant Director of Cell and Vaccine Production Facility**

**Sandra Ryeom, Ph. D., (CB), Assistant Professor, Dept. of Cancer Biology**

**Patrick Seale, Ph. D., (DSRB), Assistant Professor, Cell and Developmental Biology**

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**Stephen Kadauke, and David Hill**

MD/PhD students Stephen Kadauke and David Hill have joined together with other MD/PhD, and DMD students to form the band, Freaks of Nurture. Their band recently has been featured on NPR and in The Scientist. According to their face book page: “Somewhere between the sublime and the ridiculous, between stupid and clever, lies Freaks of Nurture. One day, after zipping up a cadaver, the freaks set out to create a funky, old-school groove but what turned out was a mix of funk, rock, and soul that remains difficult to classify. It's a monster...it's Frankenstein's mama...it's Robsteam. In April of 2008 the Freaks released their first collection of original material, the Naughty by Nurture EP.”

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**Future Newsletters**

If you have announcements that you would like to include, please contact Kathy O’Connor-Cooley at kathyo@mail.med.upenn.edu