The 2006 CAMB Symposium will be Monday, October 23rd.

The symposium this year will be in the Annenberg Center.

The keynote speaker will be Dr. Charles Rice.

Dr. Rice is the Maurice R. and Corinne P. Greenberg Chair in Virology and Head of the Laboratory for Virology and Infectious Disease at The Rockefeller University. He serves as the Scientific and Executive Director of the Center for the Study of Hepatitis C. Dr. Rice is one of the world's most accomplished virologists and a prominent figure in research on members of the Flaviviridae including hepatitis C virus (HCV). He received his bachelor's degree from University of California Davis in 1974 and earned his Ph.D. from California Institute of Technology in 1981. From 1986-2000, Dr. Rice was a faculty member at Washington University in St. Louis. His research team has helped to understand the biogenesis and structure of HCV-encoded proteins, discovered a highly conserved RNA element at the 3' terminus of HCV genome RNA, and produced the first infectious molecular clone of the virus—an essential tool for future studies on this important human pathogen. His laboratory has recently established efficient genetic systems for studying HCV RNA replication and evaluating antiviral efficacy. Dr. Rice has co-authored over 200 articles in the field of virology, serves as a reviewer for numerous journals, is an editor of Journal of Virology and Journal of Experimental Medicine, and is a past President of the American Society for Virology. (** from the Rockefeller University website)

Please join us for the

CAMB Summer Picnic,
June 22nd,
4:00—6:00,
Under Goddard Labs (off Hamilton Walk).

Congratulations to Tishina Okegbe, an incoming CAMB - GGR student. She was recently awarded a National Science Foundation Graduate Fellowship.

The CAMB Annual Symposium is a full day (8:30 –6:00) of science and social interaction for CAMB faculty and students. Talks will be presented by three faculty and six students, as well as the keynote speaker.

All thesis level students are expected to present posters, and all other CAMB students may volunteer to do so. A panel of faculty judges will award $100 prizes to the top posters at the end of the day.

Recent PhD graduate Julie Lefebve with her advisor Michael Granato
The CAMB office would like to thank everyone involved this season for their hard work, especially the student leaders:

Kim Schoenly, Kate Nestor, Christine Reid, Lisa Chang, Beth Burke, and Areilla Blejer

The 2007 admission weekends will be:
January 18th – 20th
February 8th – 10th
March 1st – 3rd
Please put these dates on your calendar.

Admission Season 2006
Please join us in welcoming the 45 CAMB PhD students who will matriculate in 2006

<table>
<thead>
<tr>
<th>Ishmail John Abdus-Saboor</th>
<th>Dustin Hancks</th>
<th>Tatyana Panchenko</th>
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<tbody>
<tr>
<td>North Carolina A&amp;T Univ</td>
<td>Southern Illinois Univ</td>
<td>Polytechnic Univ NY</td>
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<tr>
<td>Jessica Ardis</td>
<td>Mark Hensley</td>
<td>Nadeene Riddick</td>
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<td>Rutgers University</td>
<td>University of Denver</td>
<td>Cornell University</td>
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<td>Christie Bell</td>
<td>Natalie Hutnick</td>
<td>Leah Sabin</td>
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<td>Temple University</td>
<td>Penn State University</td>
<td>Washington University</td>
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<td>George Buchlis</td>
<td>Derek Johnson</td>
<td>Andrew Segan</td>
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<td>James Casey</td>
<td>Jamie Laird</td>
<td>Jacqueline Simonet</td>
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<td>Boston College</td>
<td>Charles Lemkon</td>
<td>Swarthmore College</td>
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<td>Kara Coleman</td>
<td>Erika Lin-Hendel</td>
<td>Catie Small</td>
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<td>College of William and Mary</td>
<td>Univ Calif Berkeley</td>
<td>American University</td>
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<td>Ankur Dalia</td>
<td>Wenyu Luo</td>
<td>Jessica Taaffe</td>
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<td>Rutgers University, Cook</td>
<td>Tsinghua University</td>
<td>Duke University</td>
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<td>Kimberly Davis</td>
<td>Zofeyah Mcbrayer</td>
<td>Becky Tatman</td>
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<td>University of Michigan</td>
<td>University of Minnesota</td>
<td>Univ of Maryland College Park</td>
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<td>Lauren Davis</td>
<td>Ashley Mentlik</td>
<td>Rebeca Tenney</td>
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<td>Oklahoma State Univ</td>
<td>Univ of Maryland Baltimore</td>
<td>Columbia University</td>
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<td>Samantha Eberle</td>
<td>Mayumi Miller</td>
<td>Monica Teta</td>
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<td>Penn State University</td>
<td>Johns Hopkins</td>
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<td>Jacqueline Ellis</td>
<td>Sarah Muse</td>
<td>Austin Thiel</td>
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<td>University of Virginia</td>
<td>Lehigh University</td>
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<td>Sarah Fintushel</td>
<td>Michael O'Donnell</td>
<td>Alexander Valvezan</td>
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<td>University of Michigan</td>
<td>Drexel University</td>
<td>Univ of Delaware</td>
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<tr>
<td>Sarah Galanti</td>
<td>Tishina Okegbe</td>
<td>Jamie Weaver</td>
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<td>Washington University</td>
<td>Dillard University</td>
<td>Brown University</td>
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<td>Christopher Garsky</td>
<td>Alexandra Ortiz</td>
<td>Christopher Weber</td>
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<td>Lili Guo</td>
<td></td>
<td>Yiwei Zong</td>
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<tr>
<td>Wuhan University</td>
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<td>Nanjing University</td>
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</table>
December Graduation

18 CAMB students received PhDs in December 2005.

Jennifer Bandura  
Advisor: Brian Calvi  
"Humpty Dumpty defines a new gene family required for S phase"

Bradford Berges  
Advisor: Nigel Fraser  
"Gene Transfer to the Brain with a Herpes Simplex Virus Type 1 vector"

Ning Chai  
Advisor: Paul Bates  
"Identification of a receptor for an avian retrovirus and characterization of a novel gene therapy vector"

Maria Chen  
Advisor: Francisco Gonzalez-Scarano  
"Compartmentalization and variation of envelope gp160 from various brain regions of SIVmac239-infected macaques"

Jessica Dworet  
Advisor: Judy Meinkoth  
"The role of CREB in thyroid cell survival"

Brian Karolewski  
Advisor: John Wolfe  
"Studies on in utero gene therapy with AAV viral vectors in an inherited lysosomal storage disease animal model"

Todd MacFarlan  
Advisor: Debu Chakravarti  
"Identification and Initial Characterization Of Thanatos Associated Protein 7 (THAP7), A Putative Transcriptional Repressor"

Katherine MacNamara  
Advisor: Susan Weiss  
"The Role of CD8+ T Cells in the Pathogenesis of a Neurovirulent Murine Coronavirus"

Marc Meulener  
Advisor: Nancy Bonini  
"Functional and Biochemical Study of Parkinson's Disease Protein DJ-1: DJ-1 in Disease and Aging in Drosophila"

Sommer Miller  
Advisor: Charles Clevenger  
"Determination of a Dose-Specific Growth Arrest in Response to Ras Activation in Vivo"

Erika Pearce  
Advisor: Hao Shen  
"Generation of CD8 T Cell Memory is Regulated by Interleukin-12"

Matthew Plassmeyer  
Advisor: Francisco Gonzalez-Scarano  
"California Serogroup Viruses: GC Mediated Fusion and Entry"

Joel Stein  
Advisor: Ted Abel  
"Behavioral and Neurochemical Alterations in Mice Lacking Testis-Brain RNA-Binding Protein"

Amy Troy  
Advisor: Hao Shen  
"The role of type I IFN in the T cell response to Listeria monocytogenes"

Monica Venere  
Advisor: Thanos Halazonetis  
"Responding to DNA damage: Recruitment and activation of ATM and ATR"

Jinling Wu  
Advisor: Peter Klein  
"Transmembrane Signaling in the Regulation of Neural Crest and Eye Development"

Nuo Yang  
Advisor: Haig Kazazian  
"Transcriptional Activation and Post-Transcriptional Suppression of Human LINE-1 Retrotransposon"

Thomas Yang  
Advisor: Lewis Chodosh  
"The AMPK-family kinase, Hunk, is required for tumorigenesis and metastasis"
May Graduation

18 CAMB students received PhDs in May 2006.

Farhad Abtahian
Advisor: Gary Koretzky
"Regulation of Blood and Lymphatic Vascular Separation by Syk and SLP-76"

Mark Biscone
Advisor: Robert Doms
"Pushing the Envelope; Engineering HIV-1 Env for structure/function and vaccine studies"

Collin Blakely
Advisor: Lewis Chodosh
"Developmental Events Influence Breast Cancer Risk: Insights from MYC, Stat3 and Pregnancy"

Kelly Covello
Advisor: M. Celeste Simon
"Identification of Unique HIF-α Function in Tumorigenesis and Development"

Carl Davis
Advisor: Robert Doms
"Interactions between West Nile virus and the C-type lectins DC-SIGN and DC-SIGNR."

Michael Diem
Advisor: Gideon Dreyfuss
"Protein Interactions among the Components of the Exon Junction Complex"

Danielle Murphy
Advisor: William Lee
"Endothelial cell signaling in normal and malignant tissues"

Aaron Nelson
Advisor: Jeffrey Weiser
"Local mucosal responses to bacterial colonization"

Lauren O’Donnell
Advisor: Dennis Kolson
"HIV-Induced Neurotoxicity: Determinants of Developmental and Regional Neuronal Susceptibility and Potential Neuroprotective Strategies"

Sarah Robertson
Advisor: Margaret Chou
"Erk Signaling Regulates Clathrin Independent Endosomal Trafficking"

Deepak Sampathu
Advisor: Virginia Lee
"Biochemical Studies of Pathological Inclusions in α-Synucleinopathies and Frontotemporal Lobar Degeneration with Ubiquitin-positive Inclusions"

Glen Seidner
Advisor: Mark Fortini
"Modeling Clinically Heterogeneous Alzheimer’s Disease-Linked Presenilin Mutations With Transgenic Drosophila"

David Stachura
Advisor: Mitchell Weiss
"The role of transcription factor GATA-1 in erythromegakaryocytic differentiation."

Christopher Vakoc
Advisor: Gerd Blobel
"Chromatin Loops and Methylated Histones Associated with Gene Activation"

Yanfeng Wang
Advisor: Peter Klein
"Signaling Mechanism and Regulation Of Frizzled"
CAMB Fall Courses

<table>
<thead>
<tr>
<th>Class</th>
<th>Instructor (s)</th>
<th>Day: Time</th>
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<tbody>
<tr>
<td>BIOM 600: Cell Biology and Biochemistry</td>
<td>M. Ostap</td>
<td>M, W, F: 10:30 - 12:00</td>
</tr>
<tr>
<td>CAMB 518: Current Topics in Ion Channels</td>
<td>C. Deutsch, F. Horrigan</td>
<td>TBD</td>
</tr>
<tr>
<td>CAMB 530: Seminar in Cell Growth and Cancer</td>
<td>A. Diehl, S. McMahon, R. Assoian</td>
<td>TBD</td>
</tr>
<tr>
<td>CAMB 532: Integrative Physiology</td>
<td>M. Pring</td>
<td>T, W, F: 2:30 - 4</td>
</tr>
<tr>
<td>CAMB 542-401: Topics in Molecular Medicine - (MD / PhD only)</td>
<td>M. Kahn</td>
<td>W: 3:30 - 5:30</td>
</tr>
<tr>
<td>CAMB 542-402: Topics in Molecular Medicine - (VMD/PhD, PhD, and MD/PhD)</td>
<td>M. Atchison</td>
<td>W: 5 - 7</td>
</tr>
<tr>
<td>CAMB 590: Topics in Microbiology, Virology and Parasitology</td>
<td>P. Bates, E. Pearce, A. Decatur</td>
<td>T, R: 10 - 11:30</td>
</tr>
<tr>
<td>CAMB 597: Developmental Neuroscience</td>
<td>M. Granato</td>
<td>W, F: 11 - 12:30</td>
</tr>
<tr>
<td>CAMB 601: Advanced Virology Seminar</td>
<td>R. Harty</td>
<td>TBD</td>
</tr>
<tr>
<td>CAMB 605: First Year Seminar</td>
<td>D. Epstein</td>
<td>T: 1 - 4</td>
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<tr>
<td>CAMB 608: Regulation of Eukaryotic Gene Expression</td>
<td>T. Kadesch, K. Zaret</td>
<td>T: 3 - 5</td>
</tr>
<tr>
<td>CAMB 609: Vaccines &amp; Immune Therapeutics</td>
<td>D. Weiner, P. Offit</td>
<td>W, R: 3:30-5:30</td>
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<tr>
<td>CAMB 610: Molecular Basis of Gene Therapy</td>
<td>J. Wilson, J. Glick</td>
<td>M, W, F: 9 - 10</td>
</tr>
<tr>
<td>CAMB 617: Emerging Infectious Diseases</td>
<td>H. Shen</td>
<td>M, W, F: 10 -11</td>
</tr>
<tr>
<td>CAMB 620: Molecular Mechanisms of Development</td>
<td>S. DiNardo</td>
<td>T: 10 -12</td>
</tr>
<tr>
<td>CAMB 630: Topics in Human Genetics and Disease</td>
<td>N. Spinner, T. Rebbeck, Nicholls, T. Shaikh</td>
<td>R: 1:30, 3:30</td>
</tr>
</tbody>
</table>

CAMB students - please remember to discuss your course choices with your program advisor and to communicate with your coordinator so that she can register you properly.

Saul Winegrad Awards for Outstanding Dissertation

Congratulations to:

**Kelly Covello**  
Advisor: M. Celeste Simon  

**Christopher Vakoc**  
Advisor: Gerd Blobel  

**Julie Lefebvre**  
Advisor: Michael Granato  

**Alejandro Villarino**  
Advisor: Chris Hunter
Recent Papers from Students


Chang YJ, Jiang M, Lubinski JM, King RD, Friedman HM. Implications for herpes simplex virus vaccine strategies based on antibodies produce to herpes simplex virus type 1 glycoprotein gC immune evasion domains. Vaccine 2005 23:4658-4665.

Connors, SA, Tucker, JA and Mullins, M.C. Temporal and spatial action of Tolloid (Mini fin) and Chordin to pattern tail tissues, Dev. Biol. 2006, in press.


Recent Papers from Students cont..


Walters, JP, Muñoz, CX, Paaby, AB, DiNardo, S. Serrate-Notch signaling defines the scope of the initial denticle field by modulating EGFR activation}. *Dev. Biol.* 2005 286:415-426.


Dean's Award for Mentorship of Undergraduate Teaching

Congratulations to
Ted Abel,
Associate Professor of Biology.
He is a winner of the 2006 Dean's Award for Mentorship of Undergraduate Teaching.

Dean's Award for Excellence in Graduate Student Training

Congratulations to
Mike Ostap,
Associate Professor of Physiology.
He is a winner of the 2006 Dean's Award for Excellence in Graduate Student Training.

Keck Futures Initiative Grant

Congratulations to
Frederic Bushman,
Professor of Microbiology.
He received a Keck Futures Grant for Dynamics of the Human Intestinal Flora in Health and Disease.

Medical Student Government Teaching Awards

Congratulations to
Helen Conrad Davis,
Professor of Microbiology.
She received the MSG Teaching Award in Basic Science.
This is the 16th time she has received this award.

American Federation for Medical Research

Congratulations to
Jonathan Epstein,
Professor of Medicine and Chair of Cell and Developmental Biology.
He is a winner of the 2006 Outstanding Investigator Award from the American Federation for Medical Research (AFMR).

Society for Women's Health Research Medtronic Prize

Congratulations to
Marisa Bartolomei,
Associate Professor of Cell & Developmental Biology and Genetics.
She received the Society for Women's Health Research Medtronic Prize for Contributions to Women's Health.

NIDDK Advisory Council

Congratulations to Mitchell Lazar,
Sylvan H. Eisman Professor of Medicine.
He has been appointed to the Advisory Council for the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK).

Student Members of the CAMB Executive Committee

We want to thank Lisa Chang for her work on the CAMB Executive committee. Her input has been greatly appreciated. Her one year term is almost up, so we are looking for a new student representative.
To volunteer, you should have passed or be about to pass your prelim and plan to be here approximately two more years. An ideal candidate would be a rising 3rd or 4th year student.
The committee meets once a month, usually on the third Monday of the month. If you are interested in serving as a student representative to the committee please contact Meagan Schofer at mschofer@mail.med.upenn.edu
Future Newsletters

If you have announcements that you would like to include, please contact Meagan Schofer, mschofer@mail.med.upenn.edu