37th ANNUAL

UNC LINEBERGER COMPREHENSIVE CANCER CENTER

POSTDOC-FACULTY

RESEARCH DAY

KENAN CENTER
UNIVERSITY OF NORTH CAROLINA
CHAPEL HILL, NC

Thursday
October 11, 2012

Sponsored by the UNC Lineberger Comprehensive Cancer Center Postdoctoral Training Program UNC-CH School of Medicine, and supported by Grant 5 T32 CA09156 awarded by the National Cancer Institute

POSTDOC/FACULTY RESEARCH DAY
KENAN CENTER
Thursday, October 11, 2012

9:00 – 9:10 **INTRODUCTION**
Joseph S. Pagano, M.D. and Brian Strahl, Ph.D.

SESSION I – CHAIR: Polly Chugh, Ph.D., Member, Postdoctoral Committee

9:10 – 9:30 Greg Robbins, Ph.D.
(Jenny Ting, Ph.D., Immunology)
"Regulation of Class I Major Histocompatibility Complex by Nucleotide-Binding Domain, Leucine-Rich Repeat-Containing Protein C5 (NLRC5)"

9:30 – 9:50 Scott Rothbart, Ph.D.
(Brian Strahl, Ph.D., Cancer Cell Biology)
"Association of UHRF1 with methylated H3K9 directs the maintenance of DNA methylation in human cancer cells "

9:50 – 10:10 Wenjin Liu, Ph.D.
Pagano Award 2nd Place Winner
(Norman Sharpless, M.D., Molecular Therapeutics)
"LKB1 Loss Promotes Melanoma Metastasis"

10:10 – 10:30 Mohammad Raheel Jajja, Ph.D.
(Jen Jen Yeh, M.D., Clinical Research)
"Iontophoretic Delivery Of Gemcitabine Is More Effective Than Systemic Gemcitabine In Pancreatic Cancer"

10:30 – 10:40 **BREAK**

SESSION II - CHAIR: Scott Rothbart, Ph.D., Member, Postdoctoral Committee

10:40 – 11:00 Erich Kushner, Ph.D.
(Victoria Bautch, Ph.D., Cancer Cell Biology)
"Centrosome Duplication and Tumor Endothelial Cells"

11:00 – 11:20 Rajarshi Choudhury, Ph.D.
(Zefeng Wang, Ph.D., Molecular Therapeutics)
"A Novel RNA binding protein, DAZAP1, regulates splicing and cell proliferation"

11:20 – 11:40 Michael Swanson, Ph.D.
(J. Victor Garcia-Martinez, Ph.D, Virology)
"Cell-associated HIV Transmission in BLT Mice"

11:40 – 12:00 Daniel Dickinson, Ph.D.
(Bob Goldstein, Ph.D., Cancer Cell Biology)
"*C. elegans* gastrulation: A novel model for cell invasion?"

12:00 – 1:00 LUNCH

SESSION III – CHAIR: Maria Bednar, Ph.D., Member, Postdoctoral Committee

INVITED SPEAKER – FORMER LCCC POSTDOCTORAL FELLOW

1:00 – 2:00 Brooke M. McCartney, Ph.D.
(LCCC Training Grant Alumnus)
Associate Professor, Department of Biological Sciences
Carneigie Mellon University
"Adenomatous polyposis coli: Your Cellular Swiss Army Knife"

2:00 – 2:20 Jessica Allen, Ph.D.
(Stefanie Sarantopoulos, M.D., Ph.D., Immunology
"B cells from patients with chronic GVHD are activated and primed for survival via BAFF-mediated pathways"

2:20 – 2:40 Manish Sethi, Ph.D.
(Andrew Wang, M.D., Molecular Therapeutics)
"Nanoparticle Drug Release Kinetics can affect Their Toxicity and Therapeutic Efficacy"

2:40 – 3:00 BREAK

SESSION IV- CHAIR: Nate Siegfried, Ph.D., Member, Postdoctoral Committee

3:00 – 3:20 Ewan Cobran, Ph.D.
(Paul Godley, M.D., Ph.D., Cancer Prevention and Control)
"A Quantitative and Qualitative Assessment of U.S.-born and Caribbean-born African American Males in South Florida: Prostate Cancer Screening, Nativity, and Fatalism"

3:20 – 3:40 Jinzhu Duan, Ph.D.
Pagano Award 3rd Place Winner
(Arjun Deb, M.D., Cancer Cell Biology)
"Wnt1/βcatenin injury response activates the epicardium and cardiac fibroblasts to promote cardiac repair"

3:40 – 4:00 Ping Liu, Ph.D.
(Ken Jacobson, Ph.D., Cancer Cell Biology)
"Pathogen receptors on dendritic cells populate a novel class of membrane domains"

4:00 – 6:30 POSTER SESSION*

5:00 – 6:30 RECEPTION

*Organized by the Postdoctoral Committee

Program will be followed by a Reception

POSTER SESSION INFORMATION

Come view Our 5th Annual Postdoc-Faculty Day Poster Session at 4:00 p.m. on October 11, 2012. This event will coincide with the Postdoc-Faculty Day reception at the Kenan Center.

Abstracts have been selected to showcase diverse research from postdocs and graduate students. Awards will be given for the best poster presentations: $200 for first place, $150 for second place, $100 for third place and viewer's choice $50. Last year's poster session and reception was a great success, stimulating scientific discussion among postdocs, faculty and students. We hope you will attend!

POSTDOCTORAL COMMITTEE MEMBERS

Polly Chugh, Ph.D.
Scott Rothbart, Ph.D.
Nate Siegfried, Ph.D.
Maria Bednar, Ph.D.

FACULTY ADVISOR

Brian Strahl, PhD