

MICROBIOLOGY

The University of North Carolina at Chapel Hill

¹ Poster Session

3:15 – 5:00 in Cancer Center Atrium

Xin Zhang (Plese): "Alemtuzumab up-regulates the percentage of T_{reg} and Th2 cells and down-regulates the percentage of Th17 and Th1 cells in treated patients with relapsing remitting multiple sclerosis"

Yazhong Tao (Plese): "Deficient endogenous IFNβ secretion and signaling contribute to the Th17-cell-mediated autoimmune response in relapsing-remitting multiple sclerosis"

Kevin Blauth (Plese): "Fractalkine may contribute to CD4+ T cell migration into the Central Nervous System in Patients with Relapsing Remitting Multiple Sclerosis"

Angela Wahl (Garcia): "The Presence of Human Target Cells for HIV Infection in the Oral Cavity Renders Humanized BLT Mice Susceptive to Oral HIV Transmission"

Sarah Stein (Baldwin): "Loss of the NF-κB subunit p65 disrupts hematopoietic development and activates Stat3 in vivo"

Jon Hagar (Miao): "Cytosolic bacteria induce Caspase-11-dependent pyroptosis"

Kristen Crook (Peng Liu): *"Ly6C+ monocytes inhibit autoreactive T cell proliferation and suppress autoimmune arthritis"*

Roman Timochshenko (Tarrant): *"Immunologic phenotype of GRK3-null mice at baseline and in inflammatory disease"*

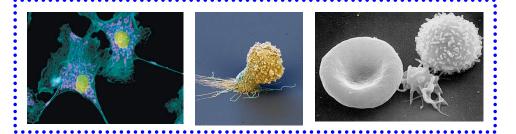
Marcus McGinnis (Tarrant): "GRK3 deficiency enhances parathyroid hormone (PTH) receptor function on bone marrow mesenchymal stem cells and may enhance hematopoiesis"

Matthew Billard (Tarrant): "G protein coupled receptor kinase 3 (GRK3) affects the migration, invasion, and survival status of breast cancer cells through regulation of CXCL12/CXCR4 signaling interactions"

Greg Robbins (Ting): "Regulation of Class I Major Histocompatibility Complex by Nucleotide-binding Domain, Leucine-Rich Repeat-containing Protein C5 (NLRC5)"

Menglei Zhu (M. Su lab) "Why females are more prone to autoimmunity: A role for the autoimmune regulator gene?"

Basic Immune Mechanisms



Thursday, July 12, 2012

9a.m-5p.m

Lineberger Cancer Center Pagano Room

Thanks To:

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Welcome

Jenny Ting 9:00 - 9:10

Morning Session: Chair: Ed Collins

- 9:10 10:10 Emil Unanue, Paul & Ellen Lacy Professor, Washington University, St. Louis, MO. "New Perspectives on Diabetic Autoimmunity" Shannon Jones (Barb Vilen's Lab) 10:10 - 10:30 "A Novel Role for Dendritic cell-derived BAFF in Regulating Adaptive Immune Responses" **Tim Eitas** (Jenny Ting's Lab) 10:30 - 10:50"The Innate Immune Protein NLRX1 is Protective Against Experimental Autoimmune Encephalomyelitis " 10.20 - 11.20Break Andrew Monteith (Barb Vilen's Lab) 11:20 - 11:40"Defective Lysosomal Degradation of Immune Complexes in Lupus-prone mice"
- Rasheena Edmondson (Patrick Martin's 11:40 - 12:00Lab, NC A&T) "The Role of Fra-1 and CD44 in Malignant Brain Tumor Cell Migration"

12:00 - 1:30Lunch

Afternoon Session: Chair: Roland Tisch

- 1:30 2:30Yisong Wan Assistant Professor, Department of Microbiology/Immunology, UNC Chapel Hill "Regulation of Treg function and TGF-beta signaling in T cells"
- 2:30 2:50 Nick Spidale (Roland Tisch's Lab) "Steady-state thymic dendritic cells exhibit enhanced functional capacity relative to peripheral counterparts"
- 2:50 3:10 Keith Miller (Ed Collins' Lab) "T Cell Receptor-like Recognition of Tumors in vivo by Synthetic Antibody Fragments "

Poster Session 3:15 – 5:00 in Cancer Center Atrium Kevin Cook (Whitmire): "The regulation of T cell responses by natural killer cells during a disseminating virus infection"

Ichiro Misumi (Whitmire): "Antiviral CD8+ T cell Response & Recall in IL-28RA Knockout Mice"

C.J. Neely (Cairns): "Pseudomonas aeruginosa infection after burn injury polarizes innate immune cells towards an alternatively activated phenotype"

Jessica Allen (Sarantopolous): "B cells from Patients with Chronic GVHD are Activated and Primed for Survival via BAFF Mediated Pathways"

Haitao Wen (Ting): "The Mitochondrial Proteins NLRX1 and TUFM Form a Complex that Regulates Type 1 Interferon and Autophagy"

Lu Zhang (Ting): "NLRC3 regulates cytoplasmic DNA-induced innate immune signaling"

Justin Callaway (Ting): "NLRP3 Inflammasome Activation in Primary Human Monocytes by Dengue Virus."

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