



7TH ANNUAL NIH GRADUATE STUDENT

RESEARCH SYMPOSIUM

THE FACES OF TOMORROW'S SCIENCE



NATCHER CONFERENCE CENTER
JANUARY 12, 2011 | 9 AM – 4 PM

SEVENTH ANNUAL NIH GRADUATE STUDENT RESEARCH SYMPOSIUM
THE FACES OF TOMORROW'S SCIENCE

Graduate Partnerships Program
Office of Intramural Training & Education
National Institutes of Health
U.S. Department of Health & Human Services

| FOREWORD

WELCOME TO THE SEVENTH ANNUAL NIH GRADUATE STUDENT RESEARCH SYMPOSIUM

The 7th Annual NIH Graduate Student Research Symposium is the premier opportunity for all graduate students in the Graduate Partnerships Program (GPP) to showcase their research. It is a chance to celebrate the past year of research by presenting scientific posters and talks, and it is the place for us all to think about the future of graduate student research and education.

The number of students participating in the symposium this year highlights the growing strength of our graduate student community. We have 140 students presenting posters, and they represent all research specialties and phases of the PhD process, from those who will be presenting rotation projects to those who are describing the highlights of their nearly-completed thesis work. Thanks to the generous contributions of the Office of Intramural Training and Education (OITE) and the Foundation for Advanced Education in the Sciences (FAES), travel awards will be presented to the top poster presenters at our symposium. In addition, those who finished their doctorate degrees in 2010 will be recognized at the graduation ceremony. Certificates will be presented by Dr. Sharon Milgram, Director of OITE, Dr. Michael Gottesman, Deputy Director of the Office of Intramural Research, and Dr. Lawrence Tabak, Principle Deputy Director of NIH.

This year, we are thrilled to have Dr. Eric Green, M.D., Ph.D. as our opening speaker. Dr. Green became the third Director of the National Human Genome Research Institute (NHGRI) in 2009. Prior to this, he was the Scientific Director of NHGRI, chief of the NHGRI Genome Technology Branch, and Director of the NIH Intramural Sequencing Center.

We are also honored to have Dr. Lawrence Tabak, D.D.S., Ph.D. as our keynote speaker. Dr. Tabak is the recently appointed Principle Deputy Director of NIH. Dr. Tabak came to the NIH from the University of Rochester where he held numerous esteemed positions. During his time at the NIH, Dr. Tabak has served as the as the Director of the National Institute of Dental and Craniofacial Research (NIDCR), the acting NIH Deputy Director, and the acting Director of the Division of Program Coordination, Planning, and Strategic Initiative. He also maintains an active research lab within the intramural program of the NIH where his research focus has been on the biosynthesis and function of mucin-glycoproteins. We look forward to hearing about his vision for graduate student research and training at the NIH.

Our theme for the symposium is "The Faces of Tomorrow's Science." While the theme remains the same from year to year, the faces are constantly changing. We are pleased to have this opportunity to share our scientific contributions with the NIH community, and hope you all enjoy the event.

The 7th Annual NIH Graduate Student Research Symposium Planning Committee

Dan Crooks, Georgetown University/NICHD

Pavitra Kannan, Karolinska Institutet/NIMH

Jessica Keffer, Georgetown University/NIDDK

Deborah Kwon, Brown University/NINDS

ACKNOWLEDGEMENTS

Thank you to Dr. Kristen Bowles and Dr. Monika Deshpande for serving as the co-chairs of the poster judging committee. We would also like to thank all of the judges for their support in organizing and participating in the judging of the poster competition. There are over 200 NIH postdocs and staff scientists judging this year's poster session! We would also like to thank the Graduate Student Council (GSC), the GPP Partnership Directors, FAES, the NIH Fellows Committee (FelCom), and the Post-baccalaureate IRTA Committee for their support of the symposium and the graduate community. In addition, we would also like to thank the NIH mentors, who support graduate student research on a daily basis. Congratulations to the students participating in this year's graduation ceremony. Best of luck to you all and keep in touch!

We would like to thank Dr. Philip Wang, Dr. Pat Phelps, Dr. Sharon Milgram, and all the amazing individuals in the OITE Office for helping with every aspect of organizing this symposium. With each passing year, the GPP leadership continues to enhance the graduate experience here at the NIH. Thank you for your support, friendship, and enthusiasm to make this the best graduate program in the world. Finally, we would like to thank the graduate student participants, for making this the best symposium yet.

PROGRAM OF EVENTS

8:45 ROOM E1/E2	WELCOME	Sharon L. Milgram, Ph.D. Director, OITE
9:00 – 9:30 ROOM E1/E2	OPENING ADDRESS	Eric D. Green, M.D., Ph.D. Director, NHGRI
9:30 – 11:00 ROOM E1/E2	STUDENT ORAL PRESENTATIONS	Kimberly Baxter Decker, Johns Hopkins University, NIDDK Activation at the <i>B. pertussis</i> fimbrial subunit <i>fim3</i> promoter by phosphorylated BvgA-P Tracy Jill Doty, Karolinska Institutet, NIMH Hypersensitivity to Fearful Faces in Healthy Adults Correlates with Harm Avoidance and Activity in the Medial Prefrontal Cortex Augustin Luna, Boston University, NCI-CCR Pathway Visualization for Data-Driven Biologists: Software for Molecular Interaction Maps (MIMs)
11:00 – 1:30	LIGHT REFRESHMENTS	
11:00 – 12:15 ATRIUM	POSTER SESSION I	Even numbered posters presenting
12:30 – 1:45 ATRIUM	POSTER SESSION II	Odd numbered posters presenting
2:00 – 3:00 AUDITORIUM	KEYNOTE ADDRESS	Lawrence A. Tabak, D.D.S., Ph.D. Principle Deputy Director, NIH
3:00 – 4:00 AUDITORIUM	AWARDS CEREMONY	Graduation Ceremony Certificates Presented by: Lawrence A. Tabak, D.D.S., Ph.D., Principle Deputy Director, NIH Michael M. Gottesman, M.D., Deputy Director, NIH OIR Sharon L. Milgram, Ph.D., Director, NIH OITE Outstanding Mentor Awards Carole A. Bewley, Ph.D. (NIDDK) Henry Levin, Ph.D. (NICHD) Matthias P. Machner, Ph.D. (NICHD) NIH Graduate Student Research Awards (NGSRAs)

GPP GRADUATION AWARD RECIPIENTS

Student	IC	NIH Mentor	University, University Mentor
Jim Boonyaratanakornkit	NIAID	Dr. Brian Murphy and Dr. Peter Collins	University of Maryland College Park, Dr. Siba Samal <i>The C Proteins of Human Parainfluenza Virus Type 1 Exert Broad Control over the Host Innate Immune Response</i>
Christian Cea-Del Rio	NICHD	Dr. Chris McBain	University of Valparaiso <i>Neurochemical identity governs cholinergic phenotype across perisomatic- and dendritic-targeting interneuronal hippocampal networks</i>
Sandra Elizabeth Chapman	NIAID	Dr. Alison McBride	Pennsylvania State University, Dr. Craig Meyers <i>Analyzing the Regulation of HPV Replication and Transcription in its Natural Host, the Keratinocyte</i>
Lydia Durant	NIAMS	Dr. John O'Shea	University of Oxford, Prof. Fiona Powrie <i>Roles of STAT3 and STAT5 in Intestinal Immune Regulation</i>
Yaron Dayani	NCI-CCR	Dr. Michael Lichten	The Hebrew University of Jerusalem, Dr. Giora Simchen <i>Investigation and Characterization of Activities Responsible for the Resolution of Double Holliday Junctions in <i>Saccharomyces cerevisiae</i></i>
Marcelo Diaz-Bustamante	NIMH	Dr. Zheng Li	Universidad de Valparaiso, Dr. Miguel Holmgren <i>Role of MicroRNA-135 (miR-135) in the Development of Hippocampal Neurons</i>
Birgit Edlich	NIDDK	Dr. Barbara Rehermann	Martin-Luther-University, Prof. Dr. Sven-Erik Behrens <i>Dendritic Cells Transfected with Her2-Encoding RNA Replicons Induce Cross-Priming and Protect Mice against Tumor Challenge</i>
Rui Gao	NCI-CCR	Dr. William Doug Figg	University of Maryland, Dr. Leslie Pick <i>Genetic polymorphisms in DNA excision repair genes in relation to cancer and cancer therapies causing DNA damage</i>
Stephen Timothy Gee	NHLBI	Dr. Sharon L. Milgram	University of North Carolina at Chapel Hill <i>The Role of Yes-associated protein (YAP) in Vertebrate Development</i>
Mohammad Zulfiqur Hossain	NIA	Dr. Jyoti Misra Sen	University of Maryland, Dr. Ferenc Livak <i>β-Catenin, TCF, and ICAT in T Cell Development, Function, and Aging</i>
Julia Ann James	NIAID	Dr. Daniel C. Douek	University of Oxford, Dr. Andrew McMichael <i>The Role of TCR Specificity in the Prevention of Viral Escape in HIV-1 Infection</i>
Thomas V. Johnson III	NEI	Dr. Stanislav I. Tomarev	University of Cambridge, Dr. Keith R. Martin <i>Investigations of Novel Cell Transplantation-Based Therapies for Glaucoma</i>
Jana M. Kainerstorfer	NICHD	Dr. Amir Gandjbakhche	University of Vienna, Austria, Dr. Christoph K. Hitzenberger <i>Quantitative functional optical imaging of the human skin using multi-spectral imaging</i>
Emma Louise Kurnat-Thoma	NHGRI	Dr. Lawrence C. Brody	University of Utah, Dr. Ginette A. Pepper <i>A Candidate Gene Analysis of Vitamin B12 Deficiency in Elderly Women and the Nursing Implications of Personalized Medicine</i>
Kara Marie Lindstrom	NIMH	Dr. Daniel Pine	Karolinska Institutet, Martin Ingvar <i>Emotional Orientation: Development, Psychopathology and Genetics</i>
Matthew K. McElwee	NIEHS	Dr. Jonathan Freedman	Duke University <i>Toxicogenomic Responses to Inorganic and Organic Mercury in <i>Caenorhabditis elegans</i></i>

GPP GRADUATION AWARD RECIPIENTS

Student	IC	NIH Mentor	University, University Mentor
Kai-Markus Mueller <i>Neural Mechanisms of Visual Adaptation to Complex Figures</i>	NIMH	Dr. David A. Leopold	University of Tuebingen
Pamela Ng <i>Neural Correlates of Frustration and Anger</i>	NIMH	Dr. James Blair	University of New South Wales, Dr. Philip Mitchell
Devon Brost Oskvig <i>Maternal Immune Activation Alters the Behavioral, Cytokine, and Gene Expression Profiles in Rat Offspring.</i>	NIMH	Dr. Miles Herkenham	Georgetown University, Dr. Benjamin Walker
Sara Palumbo <i>Role of Cyclooxygenases and lipoxygenases in a mouse model of multiple sclerosis: The COX-2 Pathway Via the PGE2-EP2 Receptor Mediates Oligodendrocyte Apoptosis</i>	NIA	Dr. Francesca Bosetti	Doctoral School in Functional Morphology and Basic and Clinical Neuroscience "Giuseppe Moruzzi", University of Pisa, Prof. Giovanni Ronca
Khalisa Herman Phillips <i>Factors Affecting Rates of Social Buffering in Juvenile Rhesus Macaques (Macaca mulatta)</i>	NICHD	Dr. Stephen J. Suomi, Dr. James T. Winslow, Dr. Eric E. Nelson	University of Maryland College Park, Nathan A. Fox
Natalie Porat-Shliom <i>Clathrin-Independent Endocytosis: a Role in Signal Transduction and Endothelial Lumen Morphogenesis</i>	NHLBI	Dr. Julie Donaldson	Tel-Aviv University, Prof. Yoel Kloog
Martin H. M. Sailer <i>Specification of Dorsoventral Identity in the Developing Cortex and in Fetal and Adult Neural Stem Cells.</i>	NINDS	Dr. Ron D. G. McKay	University of Zurich, Switzerland, Dr. Martin E. Schwab, University of Zurich, Brain Research Institute, Brain Morphology
Sharon Baughman Shively <i>Effects of von Hippel-Lindau (VHL) Gene Deficiency on the Human Central Nervous System</i>	NINDS	Dr. Alexander O. Vortmeyer	The George Washington University
Edgar P. Simard <i>Cancer Incidence and Cancer-attributable Mortality Among Persons with AIDS in the United States: 1980-2006</i>	NCI-DCEG	Dr. Eric Engels	University of Medicine and Dentistry of New Jersey, Patricia Fleming
Cynthia Soderblom <i>Studies on hereditary spastic paraplegia proteins</i>	NINDS	Dr. Craig Blackstone	Karolinska Institutet, Oleg Shupliakov
Bora Sul <i>The Cellular Basis for Hearing</i>	NIDCD	Dr. Kuni H. Iwasa	University of Maryland, Rajarshi Roy
Kit Man Tsang <i>Phenotypic and Molecular Characterization of Mice Deficient in Protein Kinase A Regulatory Subunit Type 1A (prkar1a) and Catalytic Subunit A (prkaca)</i>	NICHD	Dr. Constantine A. Stratakis	The Chinese University of Hong Kong, Professor Wai-Yee Chan, Professor Kwok-Pui Fung
Jason M. Warfel <i>Endothelial Responses to Anthrax Lethal Toxin and Pathogenic Implications</i>	FDA-CBER	Dr. Felice D'Agnillo	Georgetown University
Heather R. Whitehurst <i>tbx5 and tbx15 Mediate Zebrafish Posterior Lateral Line Development and Strategies for RNA Interference in Zebrafish</i>	NHGRI	Dr. Shawn Burgess	George Washington University, Patricia Hernandez

GPP GRADUATION AWARD RECIPIENTS

Student	IC	NIH Mentor	University, University Mentor
Yibing Zhu	NINDS	Dr. Zuhang Sheng	Shanghai Jiao Tong University School of Medicine, Zuhang Sheng
<i>Increasing Axonal Mitochondrial Transport Does Not Affect Pathogenesis in the ALS-linked Mutant SOD1G93A Mice</i>			
Yanhui Zhang	NIAID	Dr. Carole Long	Xiamen University, Xinzhuan Su
<i>Malaria Vaccine Development and Immune Response Analyse</i>			

| SPEAKERS

**OPENING ADDRESS****ERIC D. GREEN, M.D., PH.D.**

Eric D. Green, M.D., Ph.D. is the Director of the National Human Genome Research Institute (NHGRI) at the National Institutes of Health (NIH) in Bethesda, Maryland, a position he had held since late 2009. NHGRI is the largest organization in the world solely dedicated to genomics research. Previously, he served as the NHGRI Scientific Director (2002-2009), Chief of the NHGRI Genome Technology Branch (1996-2009), and Director of the NIH Intramural Sequencing Center (1997-2009).

Born and raised in St. Louis, Missouri, Dr. Green received his B.S. degree in Bacteriology from the University of Wisconsin-Madison in 1981, and his M.D. and Ph.D. degrees from Washington University in 1987. During residency training in clinical pathology (laboratory medicine), he worked in the laboratory of Dr. Maynard Olson, where he launched his genomics research program. In 1992, he was appointed an assistant professor of pathology and genetics as well as a co-investigator in the Human Genome Center at Washington University. In 1994, he joined the newly established Intramural Program of the National Center for Human Genome Research at the NIH, later renamed the National Human Genome Research Institute.

Honors given to Dr. Green include a Helen Hay Whitney Postdoctoral Research Fellowship (1989-1990), a Lucille P. Markey Scholar Award in Biomedical Science (1990-1994), induction into the American Society for Clinical Investigation (2002), the Lillian M. Gilbreth Lectureship for Young Engineers at the National Academy of Engineering (2001), an Alumni Achievement Award from Washington University School of Medicine (2005), and induction into the American Association of Physicians (in 2007). He is a Founding Editor of the journal *Genome Research* (1995-present) and a Series Editor of *Genome Analysis: A Laboratory Manual* (1994-1998), both published by Cold Spring Harbor Laboratory Press. He is also Co-Editor of *Annual Review of Genomics and Human Genetics* (since 2005). Dr. Green has authored and co-authored over 250 scientific publications.

Since the early 1990s, Dr. Green's research program has been at the forefront of efforts to map, sequence, and understand eukaryotic genomes. His work included significant, start-to-finish involvement in the Human Genome Project. More recently, Dr. Green established a program in comparative genomics that involves the generation and comparative analyses of sequences from targeted genomic regions in multiple evolutionarily diverse species. The resulting data sets are providing new insights about vertebrate genome organization and evolution, and are revealing how conserved sequences can be used to identify functional genomic elements. His laboratory has utilized its own mapping and sequence data to identify and characterize several human disease genes, including those implicated in certain forms of hereditary deafness, vascular disease, and inherited peripheral neuropathy. Most recently, Dr. Green is leading a number of efforts that utilize contemporary strategies for large-scale DNA sequencing to study genomic variation among humans (in particular, that related to genetic disease) and to examine the microbial communities (i.e., the microbiomes) that exist in and on the human body.



KEYNOTE SPEAKER

LAWRENCE A. TABAK, D.D.S., PH.D.

Dr. Tabak was appointed as the principal deputy director of the NIH on August 23, 2010. Previously he served as acting principal deputy director of the NIH from November 13, 2008 through August 14, 2009. Named as the director of the National Institute of Dental and Craniofacial Research (NIDCR) in September 2000, he held that post through August 2010. From May through September 2010, he also served as acting director of the Division of Program Coordination, Planning, and Strategic Initiatives.

Dr. Tabak has served as co-chair of several trans-NIH activities, including the Research Teams of the Future component of the NIH Roadmap that emphasizes new ways of conducting team science and the NIH-wide initiative to enhance peer-review. While serving as the NIH acting deputy director in 2009, Dr. Tabak played a leadership role in coordinating the agency's response to the American Recovery and Reinvestment Act.

Prior to joining NIH, Dr. Tabak was the senior associate dean for research and professor of dentistry and biochemistry & biophysics in the School of Medicine and Dentistry at the University of Rochester in New York. A former NIH MERIT recipient, Dr. Tabak's major research focus has been on the structure, biosynthesis and function of glycoproteins. He continues work in this area, maintaining an active research laboratory within the NIH intramural program in addition to his administrative duties.

Dr. Tabak has received several honors for his work, including being elected a fellow of the AAAS and a member of the Institute of Medicine of the National Academies. A native of Brooklyn, New York, he received his undergraduate degree from City College of the City University of New York, his D.D.S. from Columbia University, and a Ph.D. from the University of Buffalo.

STUDENT ORAL PRESENTERS

KIMBERLY BAXTER DECKER

Kim attended the University of North Carolina at Chapel Hill as an undergraduate, where she became interested in biomedical research while working on DNA repair mechanisms in *D. melanogaster*. She later came to the NIH as a postbaccalaureate fellow in 2004 to study mechanisms of gene expression and regulation using bacteriophage T4 and *E. coli*. Kim joined the NIH-Johns Hopkins University GPP in 2006 and designed a project which combines basic research in gene regulation with infectious disease. Her thesis work, in the lab of Dr. Debbie Hinton (NIDDK), focuses on mechanisms of virulence gene activation in the bacteria that causes whooping cough, *Bordetella pertussis*. Kim thanks Dr. Hinton for being a role model for successful women in science.

TRACY JILL DOTY

Tracy Jill Doty began her scientific career as an undergraduate researcher at Duke University, splitting her time between two labs where she studied amygdala volumes of bipolar patients and also multi-sensory integration of attention by measuring electrical activity in the brains of healthy subjects. She then joined the partnership between NIH and the Karolinska Institutet during its early years, where she entered the Laboratory of Brain and Cognition at NIMH. Under the direction of Dr. Leslie Ungerleider at the NIMH and Dr. Martin Ingvar at the Karolinska, Tracy Jill has discovered a large amount of inter-subject variability in how healthy individuals process threatening faces. Her thesis centers around creating a continuum of threat processing and using that variability to guide neural analyses. By better understanding how healthy brains vary when processing threat signals in the environment, Tracy Jill hopes to better understand how the brain becomes dysregulated in mood disorders.

AUGUSTIN LUNA

Augustin graduated with a Chemistry A.S. in 2002 from Middle Georgia College through the Georgia Academy of Mathematics, Engineering, and Science, an early college entrance program. He then attended the Georgia Institute of Technology completing a B.S. in Biomedical Engineering with highest honors. As an undergraduate, he conducted statistical analyses of RNA backbones and was accepted into an undergraduate research scholar program to study antibiotic resistance in *E. coli* at the Parker H. Petit Institute for Bioengineering & Bioscience. After graduating in 2005, he worked on gene association studies of schizophrenia at NIMH as a post-baccalaureate fellow. He is part of the Boston University Graduate Partnership Program in Bioinformatics and is supervised by Dr. Mirit I. Aladjem, with a strong collaboration with Dr. Kurt W. Kohn, at NCI. His Ph.D. project involves developing software for visualizing biological knowledge using the Molecular Interaction Map notation and working on a kinetic mathematical model of the regulation of SIRT1 in relation to DNA damage. His broader research interests include the common biology of cancer, aging, and metabolism and tools for biological data mining.

OUTSTANDING MENTOR AWARDS

CAROLE A. BEWLEY, PH.D.

Carole Bewley is a Senior Investigator at the National Institutes of Health, and Chief of the Natural Products Chemistry Section in the Laboratory of Bioorganic Chemistry, NIDDK. She received her Ph.D. in Chemistry and Oceanography from Scripps Institution of Oceanography, UCSD, and was awarded a Cancer Research Institute postdoctoral fellowship in protein NMR. Her current research program focuses on bioactive marine natural products, protein-carbohydrate recognition and HIV entry.

HENRY LEVIN, PH.D.

Henry Levin heads the Section on Eukaryotic Transposable Elements in the Eunice Kennedy Shriver National Institute of Child Health and Human Development. His group studies the function of transposable elements and the complex relationship they have with their host organisms. Over the past 18 years Levin's studies of long terminal repeat retrotransposons in fission yeast identified mechanistic details of particle formation, reverse transcription, and integration. Before coming to NIH he completed a postdoctoral fellowship working with Dr. Jef Boeke at Johns Hopkins Medical School. It was with Dr. Boeke that Dr. Levin identified the retrotransposons in fission yeast and first studied them as a model for the replication of retroviruses. Dr. Levin received his Ph.D. in 1987 from the University of California, Berkeley. His Ph.D. advisor Dr. Howard Schachman, is a leader in the field of protein biochemistry and is also widely recognized for being a passionate mentor.

MATTHIAS P. MACHNER, PH.D.

Dr. Matthias P. Machner is Head of the Unit on Microbial Pathogenesis at NICHD. He received his Ph.D. degree in Life Sciences in 2002 from the Carolo Wilhelmina University of Braunschweig, Germany for his studies on virulence factors of the pathogenic bacterium *Listeria monocytogenes*. Dr. Machner then moved to Boston, MA, where he pursued postdoctoral studies with Dr. Ralph R. Isberg at Tufts University School of Medicine focusing on the analysis of the bacterium *Legionella pneumophila*, the causative agent of Legionnaires' pneumonia. In particular, he studied how *L. pneumophila* can exploit host cell processes during its intracellular life cycle. In 2008, Dr. Machner accepted a tenure-track investigator position at NICHD in the Cell Biology and Metabolism Program as Head of the Unit on Microbial Pathogenesis. Dr. Machner's research group is committed to study the molecular mechanisms underlying host cell modulation by *L. pneumophila* virulence factors. The goal of his research is to provide important insight not only into the disease but also into fundamental processes required for homeostasis and viability of our own cells.

| STUDENTS

STUDENTS LISTED ALPHABETICALLY BY NAME

Poster No.	Last, First	IC	University
51	Abente, Eugenio	NIAID	University of Maryland
2	Abraham, Brian	NHLBI	Boston University
42	Ard, Tyler	NIMH	Brown University
4	Behneman, Dana	NHGRI	Johns Hopkins Bloomberg School of Public Health
44	Belgard, T Grant	NHGRI	University of Oxford
99	Billings, Seth	CC	Johns Hopkins University
6	Bolton, Kelly	NCI-DCEG	Cambridge University
1	Bond, Lisa	NHLBI	University of Cambridge
3	Boulanger, Corinne	NCI-CCR	George Washington University
53	Bowen, Steven	NCI-CCR	University of Maryland Baltimore
55	Boyd, Alexis	NIAID	The George Washington University
5	Bricceno, Katherine	NINDS	The George Washington University
46	Bright, Molly	NINDS	University of Oxford
7	Brown, Jamie	NHGRI	George Washington University
101	Burrell, Allison	NCI-CCR	The George Washington University
9	Callahan, Kathryn	NIDDK	Georgetown University
48	Cao, Vania	NIMH	Brown University
11	Case, Lindsay	NHLBI	University of North Carolina at Chapel Hill
13	Case, Chanelle	NCI-CCR	George Washington University
103	Chagas, Andrezza	NIAID	Centro de Pesquisa Rene Rachou - Fiocruz Brazil
57	Chen, Yang	NICHD	Peking University
105	Chun, Lani	NINDS	Johns Hopkins University
8	Ciampa, Julia	NCI-DCEG	University of Oxford
15	Crooks, Dan	NICHD	Georgetown University
50	Cruz, Ana	NIMH	University College London
17	Dai, Lisheng	NICHD	Jilin University
10	Danaher, Michelle	NICHD	University of Maryland, Baltimore County
107	Debbache, Julien	NINDS	Rennes 1 University
19	Decker, Kimberly	NIDDK	Johns Hopkins University
59	Dillahunt, Sandra	NIAMS	Howard University
109	Dillman, Allissa	NIA	Karolinska Institute
52	Doty, Tracy	NIMH	Karolinska Institutet
61	Dutta, Mala	NHGRI	George Washington University
111	Dworzak, Jenny	NIAID	University of Cambridge
113	Eyheramonho, Mara Belen	NIAID	Universidad de Buenos Aires
63	Fares, Joanna	NCI-CCR	Georgetown University
115	Felts, Lynn	NICHD	University of Texas Medical Branch
21	Feng, Gang	NICHD	Peking University
22	Figueroa, Mariel	NIAID	The George Washington University
117	Fowler, Cedar	NIAID	Cambridge University
24	Fu, Rao	NICHD	Peking University
23	Fufa, Temesgen	NCI-CCR	Howard University College of Medicine
25	Gee, Stephen	NHLBI	University of North Carolina at Chapel Hill
74	Giano, Michael	NCI-CCR	University of Delaware
119	Gindin, Yevgeniy	NCI-CCR	Boston University
27	Gregory, Mark	NIDDK	Johns Hopkins University
121	Gupta, Ashutosh	NCI-CCR	University of Maryland, College Park
123	Gutierrez, Erik	NICHD	Johns Hopkins University
65	Han, SungPil	NINDS	Pusan National University
26	Hanisch, Jesse	NHGRI	Georgetown University
12	Hansen, Loren	NLM-NCBI	Boston University

STUDENT LISTED ALPHABETICALLY BY NAME

125	Harrison, Ryan	NHLBI	Oxford University
127	Hauser, David	NIA	Brown University
54	Hayes, Lindsay	NICHHD	Brown University
29	Henriksson, Lars	NIDA	Karolinska Institutet
67	Introini, Andrea	NICHHD	Universita' degli Studi di Milano
14	Johnson, Tammi	NIAID	University of Montana
69	Johnson, Matthew	NIAID-VRC	Georgetown University
16	Kainerstorfer, Jana	NICHHD	University of Vienna
129	Kane, Anna	NICHHD	Brown University
56	Kautzmann, Marie-Audrey	NEI	University of Strasbourg, France
71	Keffer, Jessica	NIDDK	Georgetown University
73	Kole, Abhi	NIAID	Oxford University
131	Kotlyanskaya, Lyudmila	NINDS	University of North Carolina at Chapel Hill
75	Kugler, David	NIAID	Johns Hopkins University
140	Kundu, Prantik	NIMH	Cambridge University
31	Kwon, Deborah	NINDS	Brown University
133	Lastwika, Kristin	NCI-CCR	George Washington University
135	Leibovitch, Emily	OD	George Washington University
33	Lendrum, Stephanie	NHLBI	University of North Carolina at Chapel Hill
58	Leoni, Renata	NINDS	University of Sao Paulo
35	Lewis, Abasha	NIDA	The Johns Hopkins University
137	Li, Jian	NIAID	Xiamen University
18	Luna, Augustin	NCI-CCR	Boston University
77	Lundstrom, Wangko	NCI-CCR	Karolinska Institutet
139	Mandal, Ajeet	NCI-CCR	Jawaharlal Nehru University, India
37	Manor, Uri	NIDCD	Johns Hopkins University
39	Masedunskas, Andrius	NIDCR	University of North Carolina at Chapel Hill
90	Medhi, Darpan	NCI-CCR	the University of Sheffield
79	Mehedi, Masfique	NIAID	University of Manitoba, Canada
92	Mishra, Pravin	NCI-CCR	George Washington University
94	Mok, Stephanie	NIMH	The University of Cambridge
81	Morrow, Angel	NIAID	Georgetown University
60	Motley, William	NINDS	University of Oxford
76	Nagy, Katelyn	NCI-CCR	University of Delaware
83	Naik, Shruti	NIAID	University of Pennsylvania
85	Obara, Christopher	NIAID	Georgetown University
78	Oteng, Eugene	NIAID	University of Oxford
28	Owen, Ashley	NHGRI	Georgetown University
96	Parpart, Sonya	NCI-CCR	Georgetown University
98	Perkins, Kristen	NINDS	Brown University
80	Pfefferkorn, Candace	NHLBI	University of Maryland, College Park
100	Plevock, Karen	OD	University of North Carolina Chapel Hill
82	Pollack, Anna	NICHHD	Johns Hopkins Bloomberg School of Public Health
84	Quan, Qimeng	NIBIB	Shanghai Jiao Tong University
30	Raza, Muhammad	NIDCD	University of the Punjab, Lahore Pakistan
102	Reiter, Samuel	NICHHD	Brown University
62	Robertson, Caroline	NIMH	Cambridge University
104	Robinette, Steven	NHGRI	Imperial College London
32	Ross, Jermaine	NINDS	Brown University
64	Scully, Christopher	NIBIB	Worcester Polytechnic Institute
87	Sekhar, Vandana	NIAID	University of Maryland
106	Shaffer, Kelly	NINDS	Karolinska Institute
108	Shah, Mauli	NIA	University of Maryland, Baltimore County

STUDENT LISTED ALPHABETICALLY BY NAME

41	Shao, Sichen	NICHD	Johns Hopkins University
43	Simmons, John	NCI-CCR	Georgetown University
45	Sinthuvanich, Chomdao	NCI-CCR	University of Delaware
110	Skarzynski, Martin	NCI-CCR	Georgetown University
112	Smalls-Mantey, Adjoa	NIAID	University of Oxford
86	Smith, Daniel	NCI-CCR	University of Delaware
88	Sonmez, Cem	NCI-CCR	University of Delaware
114	Stein, Erica	NCI-CCR	George Washington University
116	Stepp, Wesley	NIAID	Georgetown University School of Medicine
34	Sturgill, David	NIDDK	University of Maryland
66	Sun, Wei	NICHD	Peking University, Beijing, China
89	Swafford, Austin	NIAID	University of Cambridge
118	Swierczewska, Magdalena	NIBIB	Stony Brook University
47	Szarama, Katherine	NIDCD	Karolinska Institutet
120	Tang, Zhewei	NCI-CCR	East China Normal Universtiy
68	Tejeda, Hugo	NIDA	University of Maryland, Baltimore
49	Thomason, Maureen	NICHD	Georgetown University
91	Tikhonova, Anastasia	NCI-CCR	University of Pennsylvania
20	Velez, Jorge	NHGRI	George Washington University
36	Van Schaick, Jessica	NCI-CCR	The George Washington University
122	Vanderwert, Ross	NICHD	University of Maryland, College Park
70	Wang, Zejun	NIA	East China Normal University
124	Webster, Bradley	NHLBI	University of New Mexico
72	Wei, Chau Ming	NIMH	Brown University
38	Wesolowska, Natalia	NCI-CCR	Johns Hopkins University
126	Wilson, Lauren	NCI-DCEG	Johns Hopkins Bloomberg School of Public Health
128	Wood, Emily	NINDS	Johns Hopkins University School of Medicine
130	Wu, Han	NHLBI	Duke University
40	Yardeni, Tal	NHGRI	Tel Aviv University, Sackler Faculty of Medicine, Israel
132	Yarmolenko, Pavel	CC	Duke University
93	Yi, Chang	NHLBI	UNC-Chapel Hill
95	Yin, Xuefeng	NICHD	Peking University
134	Yin, Shi	NIAAA	Anhui Medical University
97	Zhao, Fang	NHGRI	University of Cambridge
136	Zhu, Lei	NIBIB	Jilin University
138	Ziats, Mark	NICHD	University of Cambridge

| POSTER TITLES

POSTER TITLES

POSTER NUMBER: 1

MYOSIN VI AND ITS BINDING PARTNER OPTINEURIN ARE INVOLVED IN SECRETORY VESICLE FUSION AT THE PLASMA MEMBRANE

Lisa M. Bond, Andrew A. Peden, John Kendrick-Jones, James R. Sellers, and Folma Buss

Graduate Student Name: Lisa M. Bond

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. James Sellers

Graduate University: University of Cambridge

University Research Advisor: Dr. Folma Buss

POSTER NUMBER: 2

CHARACTERIZATION OF GATA3 REGULATORY NETWORKS IN T CELL LINEAGES

Gang Wei, Raja Jothi, Ryoji Yagi, Brian J. Abraham, Kairong Cui, Suveena Sharma, Leelavati Narlikar, Daniel L. Northrup, Qingsong Tang, William E. Paul, Jinfang Zhu, Keji Zhao

Graduate Student Name: Brian J. Abraham

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. Keji Zhao

Graduate University: Boston University

POSTER NUMBER: 3

NEURAL STEM CELLS ARE REPROGRAMMED BY REFORMING MAMMARY STEM CELL NICHES, CONTRIBUTE TO FUNCTIONAL MAMMARY GLANDS, AND ARE PRESENT IN SUBSEQUENT TRANSPLANT GENERATIONS.

Corinne A. Boulanger, Andreas Androutsellis-Theotokis, and Gilbert H. Smith

Graduate Student Name: Corinne Boulanger

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Gilbert Smith

Graduate University: George Washington University

University Research Advisor: Dr. Rakesh Kumar

POSTER NUMBER: 4

FINE-MAPPING LINKAGE AND FAMILY-BASED ASSOCIATION OF IDIOPATHIC SCOLIOSIS AND CHROMOSOME 1

Dana Behneman, Cristina M. Justice, Terri H. Beaty, Kung-Yee Liang, Rasika A. Mathias, Nancy H. Miller, Alexander F. Wilson

Graduate Student Name: Dana Behneman

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. Alexander F. Wilson

Graduate University: Johns Hopkins Bloomberg School of Public Health

University Research Advisor: Dr. Terri H. Beaty

POSTER NUMBER: 5

THE ROLE OF MUSCLE IN SPINAL MUSCULAR ATROPHY

Katherine Bricceno, Kenneth Fischbeck and Barrington Burnett

Graduate Student Name: Katherine Bricceno

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Kenneth Fischbeck

Graduate University: The George Washington University

University Research Advisor: Dr. Eric Hoffman

POSTER NUMBER: 6**MULTI-CENTER STUDY OF GERMLINE BRCA1/2 MUTATIONS AND OVARIAN CANCER SURVIVAL SHOWS EVIDENCE FOR GENETIC HETEROGENEITY**

Kelly L. Bolton, Cindy Goh, Susan Ramus, David Goldgar, Javier Benitez, Ana Osorio, Douglas Easton, Susan Peock, Andrew Godwin, Ava Kwong, Ignacio Blanco, kConFab Investigators, Ellen Goode, Mark Greene, Jennifer Loud, Phuong Mai, Amanda Toland, Martin Gore, Hakan Olsson, Susan Neuhausen, Kirsten Moysich, Mary Beattie, Lara Sucheston, Marco Montagna, Evelyn Despierre, Diether Lambrechts, Jenny Gross, Christine Walsh, Beth Karlan, Stephen Chanock, Montserrat Garcia-Closas Georgia Chenevix-Trench, Antonis Antoniou, Paul Pharoah

Graduate Student Name: Kelly L. Bolton

NIH Institute-Center: NCI-DCEG

NIH Research Advisor: Dr. Stephen Chanock

Graduate University: Cambridge University

University Research Advisor: Dr. Paul Pharoah

POSTER NUMBER: 7**IDENTIFYING TRANSCRIPTIONAL TARGETS OF ZEBRAFISH MIX-TYPE HOMEBOX 2 THAT ARE NECESSARY FOR POSTERIOR MESODERM SPECIFICATION IN EARLY EMBRYONIC DEVELOPMENT**

Jamie L. Brown, Sung-Kook Hong, and Benjamin Feldman

Graduate Student Name: Jamie L. Brown

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. Benjamin Feldman

Graduate University: George Washington University

POSTER NUMBER: 8**INNOVATIVE SCORE-TEST FOR DISEASE ASSOCIATION ALLOWS FOR INTERACTION WITH RISK FACTORS: APPLICATION TO PROSTATE CANCER SUSCEPTIBILITY REGIONS**

Julia Ciampa, Chris Holmes, Nilanjan Chatterjee

Graduate Student Name: Julia Grant Ciampa

NIH Institute-Center: NCI-DCEG

NIH Research Advisor: Dr. Nilanjan Chatterjee

Graduate University: University of Oxford

University Research Advisor: Dr. Chris Holmes

POSTER NUMBER: 9**SURPRISING BIOCHEMICAL AND STRUCTURAL PROPERTIES OF HUMAN L1 RETROTRANSPOSON ORF1 PROTEIN**

Kathryn E. Callahan, Alison B. Hickman, Charles E. Jones, Rodolfo Ghirlando, Anthony V. Furano

Graduate Student Name: Kathryn E. Callahan

NIH Institute-Center: NIDDK

NIH Research Advisor: Dr. Anthony V. Furano

Graduate University: Georgetown University

POSTER NUMBER: 10**ESTIMATION OF GENE-ENVIRONMENT INTERACTION BY POOLING BIOSPECIMENS**

Michelle R. Danaher, Enrique F. Schisterman, Anindya Roy, and Paul Albert

Graduate Student Name: Michelle Danaher

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Enrique F. Schisterman and Dr. Paul Albert

Graduate University: University of Maryland, Baltimore County

University Research Advisor: Dr. Anindya Roy

POSTER TITLES

POSTER NUMBER: 11

ENGAGEMENT OF INTEGRINS DOWNSTREAM OF VENTRAL ACTIN WAVES

Lindsay Case and Clare Waterman

Graduate Student Name: Lindsay Case

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. Clare Waterman

Graduate University: University of North Carolina, Chapel Hill

POSTER NUMBER: 12

IDENTIFICATION OF BIOLOGICAL FEATURES DISTINGUISHING MEIOTIC RECOMBINATION HOT AND COLD SPOTS IN BUDDING YEAST.

Loren Hansen, Leonardo Marino-Ramirez, Nak-Kyeong Kim, David Landsman

Graduate Student Name: Loren Hansen

NIH Institute-Center: NLM-NCBI

NIH Research Advisor: Dr. David Landsman

Graduate University: Boston University

POSTER NUMBER: 13

FUNCTIONAL ANALYSIS OF CYTOSKELETAL-ASSOCIATED PROTEIN 2

Chanelle Case, Jordi Camps, and Thomas Ried

Graduate Student Name: Chanelle Case

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Thomas Ried

Graduate University: George Washington University

University Research Advisor: Dr. Norman Lee

POSTER NUMBER: 14

DOES HOST SPECIES DIVERSITY AFFECT THE PREVALENCE OF BORRELIA HERMSII?

Tammi L. Johnson, Robert J. Fischer, Kerry R. Foresman, Sandra J. Raffel, Merry E. Schrumphf, and Tom G. Schwan

Graduate Student Name: Tammi L. Johnson

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Tom G. Schwan

Graduate University: University of Montana

University Research Advisor: Dr. Kerry R. Foresman

POSTER NUMBER: 15

INVESTIGATING THE MECHANISM AND PATHOPHYSIOLOGY OF ISCU MYOPATHY

Daniel R. Crooks, Ronald Haller, Tracey A. Rouault

Graduate Student Name: Dan Crooks

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Tracey Rouault

Graduate University: Georgetown University

University Research Advisor: Dr. Cathy Wu

POSTER NUMBER: 16**QUANTITATIVE PRINCIPAL COMPONENT MODEL FOR SKIN CHROMOPHORE MAPPING USING MULTI SPECTRAL IMAGES AND SPATIAL PRIORS**

Jana M. Kainerstorfer, Jason D. Riley, Martin Ehler, Laleh Najafizadeh, Franck Amyot, Moinuddin Hassan, Randall Pursley, Stavros G. Demos, Victor Chernomordik, Michael Pircher, Christoph K. Hitzenberger, and Amir H. Gandjbakhche

Graduate Student Name: Jana M. Kainerstorfer

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Amir Gandjbakhche

Graduate University: University of Vienna

University Research Advisor: Dr. Christoph Hitzenberger

POSTER NUMBER: 17**DOWN-REGULATION OF EXCLUSIVELY TESTIS-EXPRESSED MIRNA-469 BY GONADOTROPIN-REGULATED TESTICULAR HELICASE (GRTH/DDX25) CONTROLS MALE GERM CELLS DEVELOPMENT**

Lisheng Dai, C-H. Tsai-Morris, Joaquin Villar, Jiabao Zhang, Maria L. Dufau

Graduate Student Name: Lisheng Dai

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Maria L. Dufau

Graduate University: Jilin University

University Research Advisor: Dr. Jiabao Zhang

POSTER NUMBER: 18**PATHWAY VISUALIZATION FOR DATA-DRIVEN BIOLOGISTS: SOFTWARE FOR MOLECULAR INTERACTION MAPS (MIMS)**

Augustin Luna, Itir Karac, Margot Sunshine, Lucas Chang, Can Ozturan, Ruth Nussinov, Mirit I. Aladjem, Kurt W. Kohn

Graduate Student Name: Augustin Luna

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Mirit I. Aladjem

Graduate University: Boston University

POSTER NUMBER: 19**ACTIVATION AT THE B. PERTUSSIS FIMBRIAL SUBUNIT FIM3 PROMOTER BY PHOSPHORYLATED BVGA[~]P**

Kimberly Decker, Alice Boulanger Castaing, Qing Chen, Scott Stibitz, Deborah Hinton

Graduate Student Name: Kimberly Decker

NIH Institute-Center: NIDDK

NIH Research Advisor: Dr. Deborah M. Hinton

Graduate University: Johns Hopkins University

POSTER NUMBER: 20**A SEQUENTIAL TEST ALGORITHM FOR DNA POOLING/BOOTSTRAP-BASED STUDIES IDENTIFIES NEW LOCI FOR ATTENTION DEFICIT HYPERACTIVITY DISORDER**

Jorge I. Velez, Ariel F. Martinez, Ursula Harper, Settara C. Chandrasekharappa, Maximilian Muenke, Mauricio Arcos-Burgos

Graduate Student Name: Jorge I. Velez

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. Mauricio Arcos-Burgos and Dr. Maximilian Muenke

Graduate University: George Washington University

POSTER TITLES

POSTER NUMBER: 21

RETROTRANSPOSON TF1 INTEGRATES INTO PROMOTERS AND CAN PROVIDE TRANSCRIPTION REGULATION THAT RESPONDS TO ENVIRONMENTAL STRESS RETROTRANSPOSON TF1

Gang Feng and Henry L. Levin

Graduate Student Name: Gang Feng

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Henry L. Levin

Graduate University: Peking University

POSTER NUMBER: 22

TRANSCRIPTOME ANALYSIS OF THE ANTERIOR SECRETORY GLANDS OF THE PARASITIC HOOKWORM ANCYLOSTOMA CANINUM.

Mariel Figueroa, Peter J. Hotez, and Jesus G. Valenzuela.

Graduate Student Name: Mariel Figueroa

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Jesus G. Valenzuela

Graduate University: The George Washington University

University Research Advisor: Dr. Peter J. Hotez

POSTER NUMBER: 23

ELL IS A SHARED TRANSCRIPTIONAL TARGET OF MIXED LINEAGE LEUKEMIA ONCOPROTEINS AND VIRAL ACCESSORY FACTORS

Temesgen D Fufa, Jung S Byun, Clay Wakano, Cynthia M Haggerty, Kojo Elenitoba-Johnson, Michael J Thirman, Kevin Gardner

Graduate Student Name: Temesgen D. Fufa

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Kevin Gardner

Graduate University: Howard University College of Medicine

University Research Advisor: Dr. Carolyn Broome

POSTER NUMBER: 24

N-ACETYL CYSTEINE (NAC) REVERSES EARLY-STAGE HEPATIC PHENOTYPE OF AN ANTISENSE OLIGONUCLEOTIDE MOUSE MODEL OF NIEMANN PICK DISEASE, TYPE C

Rao Fu, Arturo Incao, Dawn E. Watkins-Chow, Christopher A. Wassif, William J. Pavan and Forbes D. Porter

Graduate Student Name: Rao Fu

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Forbes D., Porter

Graduate University: Peking University

POSTER NUMBER: 25

YES-ASSOCIATED PROTEIN 65 (YAP) IS A KEY DIFFERENTIATION REGULATOR

Stephen T. Gee, Sally A. Moody, Kenneth L. Kramer, Frank L. Conlon, and Sharon L. Milgram

Graduate Student Name: Stephen Gee

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. Sharon L. Milgram

Graduate University: University of North Carolina at Chapel Hill

POSTER NUMBER: 26

ANIMAL MODELS OF THE TYPE 2 DIABETES RISK LOCUS IGF2BP2

Jesse J. Hanisch, Jun Cheng, David J. Bernard, Marina S. Lee, Kevin Bishop, Raman Sood, David M. Bodine, Lawrence C. Brody, and Francis S. Collins

Graduate Student Name: Jesse Hanisch

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. Francis S. Collins and Dr. Lawrence C. Brody

Graduate University: Georgetown University

POSTER NUMBER: 27

KINESIN ATPASE ACTIVITY IS STIMULATED BY INTERACTIONS FORMED BETWEEN ITS TWO CATALYTIC DOMAINS.

Mark Gregory and Wei Yang

Graduate Student Name: Mark Gregory

NIH Institute-Center: NIDDK

NIH Research Advisor: Dr. Wei Yang

Graduate University: Johns Hopkins University

POSTER NUMBER: 28

AN ACTIVE CHROMATIN HUB INVOLVING THE THREE ALTERNATE PROMOTERS OF THE ANKYRIN-1 (ANK-1) GENE.

Ashley N. Owen, Laurie A. Steiner, Patrick G. Gallagher and David M. Bodine

Graduate Student Name: Ashley Owen

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. David Bodine

Graduate University: Georgetown University

University Research Advisor: Dr. Mitchell Jung

POSTER NUMBER: 29

REGULATION OF HUMAN PRODYNORPHIN GENE (PDYN) EXPRESSION BY REST AND MIR-9

Richard Henriksson, Cristina M. Backman, Brandon K. Harvey, Georgy Bakalkin and Toni Shippenberg

Graduate Student Name: Richard Henriksson

NIH Institute-Center: NIDA

NIH Research Advisor: Dr. Toni Shippenberg

Graduate University: Karolinska Institutet

University Research Advisor: Dr. Georgy Bakalkin

POSTER NUMBER: 30

IDENTIFICATION OF AN AUTOSOMAL RECESSIVE STUTTERING LOCUS ON CHROMOSOME 3Q13.2-3Q13.33

M. Hashim Raza, Sheikh Riazuddin and Dennis Drayna

Graduate Student Name: Muhammad Hashim Raza

NIH Institute-Center: NIDCD

NIH Research Advisor: Dr. Dennis Drayna

Graduate University: University of the Punjab, Lahore Pakistan

University Research Advisor: Dr. Sheikh Riazuddin

POSTER TITLES

POSTER NUMBER: 31

MIND BOMB 1 IS AN E3 UBIQUITIN LIGASE THAT UBIQUITINATES AND PROMOTES THE DEGRADATION OF THE SURVIVAL OF MOTOR NEURON PROTEIN

Deborah Y. Kwon, Barrington G.O. Burnett, Ajay Chitnis, Kenneth H. Fischbeck

Graduate Student Name: Deborah Y. Kwon

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Kenneth H. Fischbeck

Graduate University: Brown University

POSTER NUMBER: 32

DISSECTING THE CIS-REGULATORY ENHANCERS THAT CONTROL PDM-1 AND PDM-2 NEUROBLAST GENE EXPRESSION

Jermaine Ross, Thomas Brody, Mukta Kundu, Alexander Kuzin, and Ward F. Odenwald

Graduate Student Name: Jermaine Ross

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Ward F. Odenwald

Graduate University: Brown University

POSTER NUMBER: 33

D. MELANOGASTER MYOSIN XVIII: A TRULY UNCONVENTIONAL MYOSIN

Stephanie G. Lendrum, Amy Hong, Yasuharu Takagi, Attila Nagy, James R. Sellers

Graduate Student Name: Stephanie Guzik Lendrum

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. James Sellers

Graduate University: University of North Carolina-Chapel Hill

POSTER NUMBER: 34

SEXUALLY DIMORPHIC ALTERNATIVE SPLICING IN DROSOPHILA HEADS

David Sturgill, John Malone, and Brian Oliver

Graduate Student Name: David Sturgill

NIH Institute-Center: NIDDK

NIH Research Advisor: Dr. Brian Oliver

Graduate University: University of Maryland

POSTER NUMBER: 35

BCL-XL MAY PROMOTE CELL SURVIVAL BY EXISTING IN PART AT THE ER-MITOCHONDRION INTERFACE AND REGULATES INTER-ORGANELLE CALCIUM SIGNALING THEREIN

Abasha Lewis, Brian S. Majors, Teuro Hayashi, Tsung-Ping Su, and Michael J. Betenbaugh

Graduate Student Name: Abasha Lewis

NIH Institute-Center: NIDA

NIH Research Advisor: Dr. Tsung-Ping Su and Dr. Teuro Hayashi

Graduate University: The Johns Hopkins University

University Research Advisor: Dr. Michael Betenbaugh

POSTER NUMBER: 36**IDENTIFICATION OF A MODIFIER GENE OF MPNSTS IN THE NF1;P53CIS MOUSE MODEL OF NF1**

Jessica CA Van Schaick, Keiko Akagi, Sandra Burkett, Christina DiFabio, Robert Tuskan, Jessica Walrath, Karlyne Reilly

Graduate Student Name: Jessica C.A. Van Schaick

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Karlyne Reilly

Graduate University: The George Washington University

University Research Advisor: Dr. Norman Lee

POSTER NUMBER: 37**MYOSIN IIIB REQUIRES ESPIN 1 CARGO FOR TIP LOCALIZATION AND ELONGATION OF STEREOCILIA ACTIN.**

Uri Manor, Raymond C. Merritt, Felipe T. Salles, M'hamed Grati, Andrea Dose, William C. Unrath, Christopher M. Yengo, Bechara Kachar

Graduate Student Name: Uri Manor

NIH Institute-Center: NIDCD

NIH Research Advisor: Dr. Bechara Kachar

Graduate University: Johns Hopkins University

POSTER NUMBER: 38**TELOMERE DYNAMICS IN EARLY EMBRYONIC DEVELOPMENT OF DROSOPHILA MELANOGASTER**

Natalia Wesolowska, Yikang Rong

Graduate Student Name: Natalia Wesolowska

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Yikang Rong

Graduate University: Johns Hopkins University

POSTER NUMBER: 39**ROLE FOR THE ACTO-MYOSIN COMPLEX IN THE DYNAMICS OF REGULATED EXOCYTOSIS REVEALED BY INTRAVITAL MICROSCOPY IN LIVE RODENTS.**

A. Masedunskas, M. Sramkova, L. Parente, K. Uzzun Sales, P. Amornphimoltham and R. Weigert

Graduate Student Name: Andrius Masedunskas

NIH Institute-Center: NIDCR

NIH Research Advisor: Dr. Roberto Weigert

Graduate University: University of North Carolina at Chapel Hill

POSTER NUMBER: 40**SUCCESSFUL USE OF LIPOPLEX FOR DELIVERY OF THE SMALL MOLECULE MANNAC AND THE GNE GENE TO RESCUE A MOUSE MODEL OF HEREDITARY INCLUSION BODY MYOPATHY (HIBM)**

Tal Yardeni, Carla Ciccone, Shelley Hoogstraten-Miller, Daniel Darvish, Yair Anikster, John Nemunaitis, Phil Maples, Chris Jay, William A Gahl, Marjan Huizing

Graduate Student Name: Tal Yardeni

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. Marjan Huizing and Dr. William A. Gahl

Graduate University: Tel Aviv University, Sackler Faculty of Medicine, Israel

University Research Advisor: Dr. Yair Anikster

POSTER TITLES

POSTER NUMBER: 41

A NOVEL PATHWAY FOR THE TRANSLOCATION OF UNUSUALLY SMALL PROTEINS

Sichen Shao and Ramanujan S. Hegde

Graduate Student Name: Sichen Shao

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Ramanujan S. Hegde

Graduate University: Johns Hopkins University

POSTER NUMBER: 42

DIFFERENTIAL COHERENCE BETWEEN POLYSENSORY CORTICAL AREAS DURING AN AUDIO-VISUAL SEARCH AND TRACK TASK

Dani Rubenstein, Fred Carver, Tom Holroydt, Richard Coppola

Graduate Student Name: Tyler Ard

NIH Institute-Center: NIMH

NIH Research Advisor: Dr. Richard Coppola

Graduate University: Brown

University Research Advisor: Dr. Jerome Sanes

POSTER NUMBER: 43

MECHANISTIC INSIGHT INTO THE SYNERGISTIC ACTION OF COMBINING MTOR AND HISTONE DEACETYLASE (HDAC) INHIBITORS FOR TREATMENT OF MULTIPLE MYELOMA

John K. Simmons, Jyoti Patel, Aleksandra M. Michalowski, Patrick Sullivan, Bih-Rong Wei, R. Mark Simpson, W. Michael Kuehl, Lihui Ou, Natasha J. Caplen, Shuling Zhang, C. Ola Landgren, and Beverly A. Mock

Graduate Student Name: John K. Simmons

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Beverly A. Mock

Graduate University: Georgetown University

POSTER NUMBER: 44

BIOLOGICAL INSIGHTS INTO NEOCORTICAL LAMINATION FROM FUNCTIONAL PATTERNING OF TRANSCRIPTOMES

T Grant Belgard, Ana Marques, Zoltan Molnar, Peter Oliver, Tamara Sirey, Hatice Ozel Abaan, Elliott Margulies, Chris Ponting

Graduate Student Name: T Grant Belgard

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. Elliott Margulies

Graduate University: University of Oxford

University Research Advisor: Dr. Chris Ponting

POSTER NUMBER: 45

THREE-DIMENSIONAL DNCAPSULATION AND CULTURING OF PRIMARY BOVINE CHONDROCYTES IN INJECTABLE β -HAIRPIN PEPTIDE HYDROGELS.

Chomdao Sinthuvanich and Joel P. Schneider

Graduate Student Name: Chomdao Sinthuvanich

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Joel P. Schneider

Graduate University: University of Delaware

University Research Advisor: Dr. Joel P. Schneider

POSTER NUMBER: 46**THE EFFECT OF BASAL VASODILATION ON THE CEREBROVASCULAR RESPONSE TO HYPERCAPNIC AND HYPOCAPNIC RESPIRATORY CHALLENGES AS MEASURED USING BOLD FMRI.**

Molly G. Bright, Daniel P. Bulte, Manus J. Donahue, Peter Jezzard, and Jeff H. Duyn

Graduate Student Name: Molly Gallogly Bright

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Jeff Duyn

Graduate University: University of Oxford

University Research Advisor: Prof. Peter Jezzard

POSTER NUMBER: 47**MEASURING DEVELOPING MECHANICAL PROPERTIES OF THE INNER EAR SENSORY EPITHELIUM**

Katherine B. Szarama, Nuria Gavara, Matthew W. Kelley, Richard S. Chadwick

Graduate Student Name: Katherine B. Szarama

NIH Institute-Center: NIDCD

NIH Research Advisor: Dr. Richard S. Chadwick and Dr. Matthew W. Kelley

Graduate University: Karolinska Institutet

University Research Advisor: Dr. Anders Fridberger

POSTER NUMBER: 48**OPTICAL TRACKING OF PLASTICITY-RELATED GENE EXPRESSION CHANGES IN FRONTAL CORTICAL NEURONS DURING MOTOR LEARNING**

Vania Y. Cao, Rui M. Costa, Kuan H. Wang

Graduate Student Name: Vania Cao

NIH Institute-Center: NIMH

NIH Research Advisor: Dr. Kuan H. Wang and Dr. Rui M. Costa

Graduate University: Brown University

POSTER NUMBER: 49**CHARACTERIZATION OF AN ANTISENSE RNAS IN THE MODEL ORGANISM ESCHERICHIA COLI.**

Maureen K. Thomason and Gisela Storz

Graduate Student Name: Maureen Kiley Thomason

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Gisela Storz

Graduate University: Georgetown University

University Research Advisor: Dr. Elliott Crooke

POSTER NUMBER: 50**APOMORPHINE IMPROVES CODING CAPACITY IN THE BASAL GANGLIA NETWORK IN 6-OHDA-LESIONED RATS**

Ana V. Cruz, Nicolas Mallet, Peter J. Magill, Peter Brown and Bruno B. Averbeck

Graduate Student Name: Ana V. Cruz

NIH Institute-Center: NIMH

NIH Research Advisor: Dr. Bruno Averbeck

Graduate University: University College London

University Research Advisor: Prof. Peter Brown

POSTER NUMBER: 51

MUTAGENESIS ANALYSIS OF THE FELINE CALICIVIRUS LEADER OF THE CAPSID PROTEIN

Eugenio Abente, Stanislav V. Sosnovtsev, Karin Bok, Gabriel I. Parra, Carlos Sandoval-Jaime, Kim Y. Green

Graduate Student Name: Eugenio Abente

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Kim Y. Green

Graduate University: University of Maryland

University Research Advisor: Dr. Jeff DeStefano

POSTER NUMBER: 52

HYPERSENSITIVITY TO FEARFUL FACES IN HEALTHY ADULTS CORRELATES WITH HARM AVOIDANCE AND ACTIVITY IN THE MEDIAL PREFRONTAL CORTEX

Doty TJ, Japee S, Ingvar M, Ungerleider LG

Graduate Student Name: Tracy Jill Doty

NIH Institute-Center: NIMH

NIH Research Advisor: Dr. Leslie Ungerleider

Graduate University: Karolinska Institutet

University Research Advisor: Dr. Martin Ingvar

POSTER NUMBER: 53

ABERRANT V(D)J RECOMBINATION IN ATAXIA TELANGIECTASIA MUTATED (ATM) DEFICIENT CD4/CD8 DOUBLE NEGATIVE (DN) THYMOCYTES

Steven Bowen, Karen Hathcock, Richard Hodes, Ferenc Livak

Graduate Student Name: Steven Bowen

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Richard Hodes

Graduate University: University of Maryland Baltimore

University Research Advisor: Dr. Ferenc Livak

POSTER NUMBER: 54

THE TIMING OF SONIC HEDGEHOG AND GLI1 EXPRESSION SEGREGATES MIDBRAIN DOPAMINE NEURONS

Lindsay Hayes, Zhiwei Zhang, Paul Albert, Mark Zervas, Sohyun Ahn

Graduate Student Name: Lindsay Hayes

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Sohyun Ahn

Graduate University: Brown University

University Research Advisor: Dr. Mark Zervas

POSTER NUMBER: 55

SOLUBLE FACTORS FROM THE INFECTIVE STAGE OF BRUGIA MALAYI UPREGULATE THE EXPRESSION OF CASPASE 1 AND IL-18 BINDING PROTEIN IN HUMAN LANGERHANS' CELLS

Alexis Boyd, Vivornpun Sanprasert, Melissa Law, Yuanyuan Wang, Damien Chaussabel, Thomas B. Nutman, and Roshanak Tolouei Semnani

Graduate Student Name: Alexis Boyd

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Thomas B. Nutman and Dr. Roshanak Semnani

Graduate University: The George Washington University

University Research Advisor: Dr. Paul Brindley

POSTER NUMBER: 56**DEVELOPMENTAL REGULATION OF THE KEY PHOTORECEPTOR DIFFERENTIATION FACTOR NRL**

M.A. Kautzmann, A. Swaroop

Graduate Student Name: Marie-Audrey Kautzmann

NIH Institute-Center: NEI

NIH Research Advisor: Dr. Anand Swaroop

Graduate University: University of Strasbourg, France

University Research Advisor: Dr Marie-Paule Felder Schmittbuhl

POSTER NUMBER: 57**INTERACTION OF LEGIONELLA PNEUMOPHILA EFFECTOR LIDA WITH THE HOST CELL SMALL GTPASE RAB6**

Yang Chen and Matthias P. Machner

Graduate Student Name: Yang Chen

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Matthias Machner

Graduate University: Peking University

POSTER NUMBER: 58**CEREBROVASCULAR FUNCTION AND STROKE OUTCOME IN SPONTANEOUSLY HYPERTENSIVE RATS**

Renata F. Leoni, Draulio B. de Araujo, and Afonso C. Silva

Graduate Student Name: Renata Ferranti Leoni

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Afonso C. Silva

Graduate University: University of Sao Paulo

University Research Advisor: Dr. Draulio B. de Araujo

POSTER NUMBER: 59**FUNCTIONAL CHARACTERIZATION OF SPHINGOSINE KINASE 1 AND 2 USING SHORT HAIRPIN RNA**

Sandra Dillahunt, Juan Rivera, and Ana Olivera

Graduate Student Name: Sandra Dillahunt

NIH Institute-Center: NIAMS

NIH Research Advisor: Dr. Juan Rivera

Graduate University: Howard University

POSTER NUMBER: 60**THE PERIPHERAL NEUROPATHY CAUSED BY DOMINANT MUTATIONS IN GARS IS PRIMARILY DUE TO A PATHOLOGICAL GAIN OF FUNCTION**

William W. Motley, Kevin Seburn, Kathy E. Miers, Jun Cheng, Anthony Antonellis, Eric D. Green, Kevin Talbot, Kenneth H. Fischbeck, and Robert W. Burgess

Graduate Student Name: William Motley

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Kenneth Fischbeck

Graduate University: University of Oxford

University Research Advisor: Dr. Kevin Talbot and Dr. Kay Davies

POSTER NUMBER: 61

INVESTIGATING SIGNALING DOWNSTREAM OF SLAM FAMILY MEMBERS CD84 AND LY108 IN THYMOCYTES AND ACTIVATED T CELLS

Mala Dutta, Jennifer L. Cannons, Rajat Varma, Pamela L. Schwartzberg

Graduate Student Name: Mala Dutta

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. Pam Schwartzberg

Graduate University: George Washington University

University Research Advisor: David Leitenberg

POSTER NUMBER: 62

ATYPICAL INTEGRATION OF MOTION SIGNALS IN AUTISM

Robertson, C.E., Thomas, C., Kravitz, D., Dixon, E., Wallace, G.L., Martin, A., Baron-Cohen, S. Baker, C.I.

Graduate Student Name: Caroline E. Robertson

NIH Institute-Center: NIMH

NIH Research Advisor: Dr. Chris Baker

Graduate University: Cambridge University

University Research Advisor: Prof. Simon Baron-Cohen

POSTER NUMBER: 63

NOVEL ROLE FOR THE P15INK4B TUMOR SUPPRESSOR GENE IN THE MATURATION OF MYELOID-DERIVED DENDRITIC CELLS.

Joanna Fares, Linda Wolff, Juraj Bies

Graduate Student Name: Joanna Fares

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Linda Wolff

Graduate University: Georgetown University

POSTER NUMBER: 64

SPATIOTEMPORAL ANALYSIS OF RENAL AUTOREGULATION

Christopher G. Scully, William A. Cupples, Paul D. Smith, Alexander M. Gorbach, and Ki H. Chon

Graduate Student Name: Christopher G. Scully

NIH Institute-Center: NIBIB

NIH Research Advisor: Dr. Alexander M. Gorbach and Dr. Paul D. Smith

Graduate University: Worcester Polytechnic Institute

University Research Advisor: Dr. Ki H. Chon

POSTER NUMBER: 65

COMPREHENSIVE INVESTIGATION OF THE MECHANISM OF ACTION OF CD25-BLOCKING AB DAC-HYP IN MULTIPLE SCLEROSIS (MS)

SungPil Han and Bibiana Bielekova

Graduate Student Name: SungPil Han

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Bibiana Bielekova

Graduate University: Pusan National University

University Research Advisor: Dr. Saeock Oh

POSTER NUMBER: 66**DPP6 ESTABLISHES THE A-TYPE K⁺ CHANNEL GRADIENT CRITICAL FOR THE REGULATION OF DENDRITIC EXCITABILITY IN CA1 HIPPOCAMPAL NEURONS**

Wei Sun, Lin Lin, Jon K. Maffie, Bernardo Rudy and Dax A. Hoffman

Graduate Student Name: Wei Sun

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Dax A. Hoffman

Graduate University: Peking University, Beijing, China

University Research Advisor: Dr. Kewei Wang

POSTER NUMBER: 67**HIV-1 AND REACTIVATED COINFECTING HERPESVIRUSES REPROGRAM THE CYTOKINE NETWORK IN SEMEN OF INFECTED INDIVIDUALS**

Andrea Introini, Andrea Lisco, Arshi Munawwar, Christophe Vanpouille, Jean-Charles Grivel, Sarman Singh, and Leonid Margolis

Graduate Student Name: Andrea Introini

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Margolis Leonid and Dr. Lisco Andrea

Graduate University: Universita' degli Studi di Milano

University Research Advisor: Dr. Clerici Mario

POSTER NUMBER: 68**MODULATION OF MESOCORTICAL DOPAMINE AND GLUTAMATE TRANSMISSION BY MU- AND KAPPA-OPIOID RECEPTORS.**

Hugo A. Tejada, Kristin Schultz, Vladmir Chefer, Patricio O'Donnell, Toni Shippenberg

Graduate Student Name: Hugo A Tejada

NIH Institute-Center: NIDA

NIH Research Advisor: Dr. Toni Shippenberg

Graduate University: University of Maryland, Baltimore

University Research Advisor: Dr. Patricio O'Donnell

POSTER NUMBER: 69**DETERMINANTS OF POOR IMMUNOGENICITY OF ALTERNATIVE ADENOVIRAL VECTORS**

Matthew Johnson, Costas Petrovas, Kathy Santos, Tiffany Prout, Jason Gall, Elias Haddad, Rafick Sekaly, and Richard Koup

Graduate Student Name: Matthew Johnson

NIH Institute-Center: NIAID-VRC

NIH Research Advisor: Dr. Richard Koup

Graduate University: Georgetown University

POSTER NUMBER: 70**EFFECTS OF BMP SIGNALING PATHWAY INHIBITION ON ADULT HIPPOCAMPAL NEUROGENESIS AND SPATIAL PATTERN SEPARATION**

Zejun Wang, Michelle Potter and Henriette van Praag

Graduate Student Name: Zejun Wang

NIH Institute-Center: NIA

NIH Research Advisor: Dr. Henriette van Praag

Graduate University: East China Normal University

University Research Advisor: Dr. Liu Ji

POSTER TITLES

POSTER NUMBER: 71

THE ANTIBACTERIAL AND MECHANISTIC ACTIONS OF A NOVEL ALGAL NATURAL PRODUCT

Jessica L. Keffer, Alberto Plaza, Carole A. Bewley

Graduate Student Name: Jessica L. Keffer

NIH Institute-Center: NIDDK

NIH Research Advisor: Dr. Carole Bewley

Graduate University: Georgetown University

POSTER NUMBER: 72

INTERACTION BETWEEN BRAIN-DERIVED NEUROTROPHIC FACTOR (BDNF) GENOTYPE AND GONADAL STEROID HORMONES AFFECTS HIPPOCAMPAL FUNCTION DURING WORKING MEMORY -- A POSITRON EMISSION TOMOGRAPHY (PET) STUDY

Shau-Ming Wei, Peter J. Schmidt, Erica B. Baller, Philip D. Kohn, Jonathan S. Kippenhan, Bhaskar Kolachana, David R. Rubinow, Daniel Weinberger, Karen F. Berman

Graduate Student Name: Shau Ming Wei

NIH Institute-Center: NIMH

NIH Research Advisor: Dr. Karen F. Berman and Dr. Peter J. Schmidt

Graduate University: Brown University

POSTER NUMBER: 73

DEFECTS IN TYPE I INTERFERON SIGNALING ENHANCE COLITIS IN A MURINE MODEL OF INFLAMMATORY BOWEL DISEASE

Abhi Kole, Kazuya Kitamura, Aymeric Rivollier, Jianping He, Kevin Maloy and Brian Kelsall

Graduate Student Name: Abhi Kole

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Brian Kelsall

Graduate University: Oxford University

University Research Advisor: Dr. Kevin Maloy

POSTER NUMBER: 74

CONTROLLING THE DEGRADATION OF SELF-ASSEMBLED β -HAIRPIN HYDROGELS BY PROTEOLYSIS WITH MATRIX METALLOPROTEASE-13

Michael C. Giano and Joel P. Schneider, Phd.

Graduate Student Name: Michael C. Giano

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Joel P. Schneider

Graduate University: University of Delaware

POSTER NUMBER: 75

PLASTICITY OF TH1 CELLS: BALANCING EFFECTOR VS. REGULATORY FUNCTIONS BY TRANSIENT EXPRESSION OF IL-10

David Kugler, Yuka Kanno, John O'Shea, Alan Sher and Dragana Jankovic

Graduate Student Name: David G. Kugler

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Alan Sher and Dr. Dragana Jankovic

Graduate University: Johns Hopkins University

POSTER NUMBER: 76**ENHANCEMENT OF MATERIAL PROPERTIES AND CONTROL OF DEGRADATION THROUGH UTILIZATION OF ENANTIOMERIC PEPTIDE HYDROGELS**

Katelyn J. Nagy and Joel P. Schneider

Graduate Student Name: Katelyn J. Nagy

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Joel Schneider

Graduate University: University of Delaware

POSTER NUMBER: 77**SOLUBLE IL-7 RECEPTOR ALTERS IL-7 CONSUMPTION AND IS ASSOCIATED WITH MULTIPLE SCLEROSIS**

Wangko Lundstrom, Jan Hillert, Crystal Mackall

Graduate Student Name: Wangko Lundstrom

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Crystal Mackall

Graduate University: Karolinska Institutet

University Research Advisor: Dr. Jan Hillert

POSTER NUMBER: 78**APTAMER-BASED DISCOVERY OF CONSERVED MALARIAL RED CELL ANTIGENS**

Eugene Oteng, Carole Long

Graduate Student Name: Eugene Kojo Oteng

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Carole Long

Graduate University: University of Oxford

University Research Advisor: Dr. Chris Newbold

POSTER NUMBER: 79**A NEW EBOLA VIRUS NONSTRUCTURAL GLYCOPROTEIN EXPRESSED THROUGH RNA EDITING**

Masfique Mehedi, Darryl Falzarano, Xiaojie Hu, Michael S. Carpenter, Heinz Feldmann

Graduate Student Name: Masfique Mehedi

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Heinz Feldmann

Graduate University: University of Manitoba, Canada

University Research Advisor: Dr. Heinz Feldmann

POSTER NUMBER: 80**THE YIN AND YANG OF AMYLOIDS: INSIGHTS FROM ALPHA-SYNUCLEIN AND THE PMEL17 REPEAT DOMAIN**

Candace M. Pfefferkorn, Ryan P. McGlinchey, Jennifer C. Lee

Graduate Student Name: Candace M. Pfefferkorn

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. Jennifer C. Lee

Graduate University: University of Maryland, College Park

POSTER TITLES

POSTER NUMBER: 81

A NOVEL ROLE FOR INTERFERON-STIMULATED GENE FACTOR 3 II IN IFN-GAMMA SIGNALING AND INDUCTION OF ANTIVIRAL ACTIVITY IN HUMAN CELLS.

Angel N. Morrow, Hana Schmeisser, Takaya Tsuno, Kathryn C. Zoon

Graduate Student Name: Angel N. Morrow

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Kathryn C. Zoon

Graduate University: Georgetown University

POSTER NUMBER: 82

BLOOD HEAVY METALS IN RELATION TO BIOMARKERS OF LIPID PEROXIDATION AND ANTIOXIDANTS IN PREMENOPAUSAL WOMEN

Anna Z. Pollack, Enrique F. Schisterman

Graduate Student Name: Anna Z. Pollack

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Enrique F. Schisterman

Graduate University: Johns Hopkins Bloomberg School of Public Health

University Research Advisor: Dr. Lynn R. Goldman

POSTER NUMBER: 83

CUTANEOUS COMMENSALS CONTROL IMMUNITY IN SKIN TISSUE

Shruti Naik, Nicholas Bouladoux, Senta Kapnick, Sean Spencer, David Chou, John Grainger, Jason Hall, Yasmine Belkaid

Graduate Student Name: Shruti Naik

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Yasmine Belkaid

Graduate University: University of Pennsylvania

POSTER NUMBER: 84

HSA COATED IRON OXIDE NANOPARTICLES AS DRUG DELIVERY VEHICLES FOR CANCER THERAPY

*Qimeng Quan 1, Jin Xie 1, Haokao Gao, Min Yang, Fan Zhang, Gang Liu, Xin Lin, Andrew Wang, Seulki Lee, Guixiang Zhang *, Xiaoyuan Chen **

Graduate Student Name: Qimeng Quan

NIH Institute-Center: NIBIB

NIH Research Advisor: Dr. Xiaoyuan (Shawn) Chen

Graduate University: SHANGHAI JIAO TONG UNIVERSITY

University Research Advisor: Dr. Guixiang Zhang

POSTER NUMBER: 85

INVESTIGATING THE INTERACTIONS BETWEEN VIRUS ATTACHMENT AND ANTIBODY-MEDIATED NEUTRALIZATION

Christopher J. Obara, Kimberly A. Dowd, and Ted C. Pierson

Graduate Student Name: Christopher J. Obara

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Ted C. Pierson

Graduate University: Georgetown University

University Research Advisor: Dr. R. Pad Padmanabhan

POSTER NUMBER: 86**ENHANCED STEREOSELECTIVITY OF A CU(II) COMPLEX CHIRAL AUXILIARY IN THE SYNTHESIS OF FMOC-L-GAMMA-CARBOXYGLUTAMIC ACID**

Daniel J. Smith, Glenn P. A. Yap, James A. Kelley, and Joel P. Schneider

Graduate Student Name: Daniel J. Smith

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Joel P. Schneider

Graduate University: University of Delaware

POSTER NUMBER: 87**HITCHHIKING ON MITOTIC CHROMOSOMES; ANALYSIS OF THE CHROMOSOME BINDING REGION OF THE HUMAN PAPILLOMAVIRUS TYPE-8 E2 GENOME TETHERING PROTEIN**

Vandana Sekhar and Alison A McBride

Graduate Student Name: Vandana Sekhar

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Alison A McBride

Graduate University: University of Maryland

POSTER NUMBER: 88**BACTERIAL EXPRESSION OF A SELF-ASSEMBLING PEPTIDE THAT CAN UNDERGO HYDROGELATION**

Cem Sonmez, Lauren H. Krumpe, Dominic Esposito, Joel P. Schneider

Graduate Student Name: Cem Sonmez

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Joel P. Schneider

Graduate University: University of Delaware

University Research Advisor: Dr. Joel P. Schneider

POSTER NUMBER: 89**AN ALLELE OF IKZF1 (IKAROS) CONFERRING SUSCEPTIBILITY TO CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA PROTECTS AGAINST TYPE 1 DIABETES**

Austin D.-E. Swafford, Joanna M. M. Howson, Lucy J. Davison, Chris Wallace, Deborah J. Smyth, Helen Schuilenburg, Meeta Maisuria-Armer, Trupti Mistry, Michael J. Lenardo, John A. Todd

Graduate Student Name: Austin David-Edmiston Swafford

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Michael J. Lenardo

Graduate University: University of Cambridge

University Research Advisor: Dr. John A. Todd

POSTER NUMBER: 90**REPAIR OF DNA DOUBLE STRAND BREAKS BY HOMOLOGOUS RECOMBINATION**

Darpan Medhi, Alastair S. H. Goldman, and Michael Lichten

Graduate Student Name: Darpan Medhi

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Michael Lichten

Graduate University: the University of Sheffield

University Research Advisor: Dr. Alastair S. H. Goldman

POSTER TITLES

POSTER NUMBER: 91

IDENTIFICATION OF A MHC-INDEPENDENT LIGAND FOR MHC-INDEPENDENT ALPHA BETA T CELLS

Anastasia Tikhonova, Francois Van Laethem, Leonid Pobezensky, Kenichi Hanada, Terry I. Guinter, and Alfred Singer.

Graduate Student Name: Anastasia Tikhonova

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Alfred Singer

Graduate University: University of Pennsylvania

POSTER NUMBER: 92

USING EMBRYONIC MELANOBLAST TRANSCRIPTOME ANALYSIS TO IDENTIFY NOVEL MECHANISMS PROMOTING METASTATIC MELANOMA

Pravin J. Mishra, Theresa Guo, Raza Zaidi, Sean Davis, Kapil Bharti, Heinz Arnheiter, Robert L. Walker, Paul Meltzer and Glenn Merlino

Graduate Student Name: Pravin J. Mishra

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Glenn Merlino

Graduate University: George Washington University

POSTER NUMBER: 93

ACTIN TREADMILLING AND ACTOMYOSIN CONTRACTION DRIVE RECEPTOR CLUSTER DYNAMICS AT THE IMMUNOLOGICAL SYNAPSE IN JURKAT T CELLS

Chang Yi, Rajat Varma, Xufeng S. Wu, John A. Hammer III

Graduate Student Name: Chang K. Yi

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. John Hammer

Graduate University: UNC-Chapel Hill

POSTER NUMBER: 94

MANGANESE-ENHANCED MAGNETIC RESONANCE IMAGING: NEW TECHNIQUE TO VISUALIZE THE BRAIN IN OXYTOCIN RECEPTOR-DEFICIENT MICE

Stephanie I. Mok, Jeeva Munasinghe, Afonso C. Silva, W. Scott Young

Graduate Student Name: Stephanie I. Mok

NIH Institute-Center: NIMH

NIH Research Advisor: Dr. W. Scott Young

Graduate University: The University of Cambridge

University Research Advisor: Prof. Simon Baron-Cohen and Dr. Bhismadev Chakrabarti

POSTER NUMBER: 95

A SMALL PROTEIN YNEM AS CONNECTOR BETWEEN TWO CELL SIGNALING PATHWAYS

Xuefeng Yin, Errett C. Hobbs and Gisela Storz

Graduate Student Name: Xuefeng Yin

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Gisela Storz

Graduate University: Peking University

POSTER NUMBER: 96**THE EPIGENOMIC FINGERPRINT OF HEPATOCELLULAR CARCINOMA**

Sonya Parpart, Stephanie Roessler, Vinay Rao, and Xin Wang

Graduate Student Name: Sonya Parpart

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Xin Wang and Dr. Stephanie Roessler

Graduate University: Georgetown University

University Research Advisor: Dr. Chris Loffredo

POSTER NUMBER: 97**SAP SETS THRESHOLDS FOR T CELL CYTOLYTIC ACTIVITY AGAINST DISTINCT CELLULAR TARGETS**

Fang Zhao, Gillian Griffiths, Pamela Schwartzberg

Graduate Student Name: Fang Roseanne Zhao

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. Pamela Schwartzberg

Graduate University: University of Cambridge

University Research Advisor: Dr. Gillian Griffiths

POSTER NUMBER: 98**USING EXOME SEQUENCING AND INDUCED PLURIPOTENT STEM CELL GENERATION AS COMPLEMENTARY APPROACHES TO STUDYING A FAMILIAL MOTOR NEURON DISEASE**

Christopher Grunseich, Yaqun Zou, Carsten Bonnemann

Graduate Student Name: Kristen Z. Perkins

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Carsten Bonnemann and Kenneth Fischbeck

Graduate University: Brown University

POSTER NUMBER: 99**ULTRASOUND/CT IMAGE FUSION VIA A HYBRID SURFACE/IMAGE BASED REGISTRATION APPROACH**

Seth Billings, Ankur Kapoor, Brad Wood, Emad Boctor

Graduate Student Name: Seth Billings

NIH Institute-Center: CC

NIH Research Advisor: Dr. Brad Wood and Dr. Ankur Kapoor

Graduate University: Johns Hopkins University

University Research Advisor: Dr. Emad BoctorRussell Taylor0

POSTER NUMBER: 100**REGULATION OF MOUSE MYOSIN VA AND DROSOPHILA MYOSIN V**

Karen M. Plevock, Sandy Hernandez, Dr. James R. Sellers

Graduate Student Name: Karen Plevock

NIH Institute-Center: OD

NIH Research Advisor: Dr. James R. Sellers

Graduate University: University of North Carolina Chapel Hill

POSTER TITLES

POSTER NUMBER: 101

THE EXOSOMAL RADIATION RESPONSE IN GLIOBLASTOMA MULTIFORME

Allison S Burrell, Jacob Shabason, Kevin Camphausen MD.

Graduate Student Name: Allison S. Burrell

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Kevin Camphausen

Graduate University: The George Washington University

POSTER NUMBER: 102

GUSTATION, MULTIMODAL INTEGRATION, AND LEARNING

Sam Reiter and Mark Stopfer

Graduate Student Name: Sam Reiter

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Mark Stopfer

Graduate University: Brown University

POSTER NUMBER: 103

**AN INSIGHT INTO THE SIALOTRANSCRIPTOME OF SIMULIUM GUIANENSE (DIPTERA:SIMULIIDAE),
THE MAIN VECTOR OF RIVER BLINDNESS DISEASE IN BRAZIL**

Andreza C Chagas, Eric Calvo, Paulo FP Pimenta, Jose MC Ribeiro

Graduate Student Name: Andreza Campos Chagas

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Jose Marcos Chaves Ribeiro and Dr. Eric Calvo

Graduate University: Centro de Pesquisa Rene Rachou - Fiocruz Brazil

University Research Advisor: Dr. Paulo Filemon Paloucci Pimenta

POSTER NUMBER: 104

**STATISTICAL SPECTROSCOPY AND THE CONSORTIUM FOR METABONOMIC TOXICOLOGY:
APPLICATIONS OF NUCLEAR MAGNETIC RESONANCE TO MONITORING METABOLISM**

Steven L. Robinette, Muireann Coen, William A. Gahl, Alan T. Remaley, Jeremy K. Nicholson

Graduate Student Name: Steven L Robinette

NIH Institute-Center: NHGRI

NIH Research Advisor: Dr. William Gahl

Graduate University: Imperial College London

University Research Advisor: Dr. Jeremy K. Nicholson

POSTER NUMBER: 105

POSSIBLE DIFFERENCES IN SIGNAL TRANSDUCTION FOR THE D1-D2L AND D1-D2S DOPAMINE RECEPTOR HETEROMERS

Lani S. Chun, R. Benjamin Free

Graduate Student Name: Lani S. Chun

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. David R. Sibley

Graduate University: Johns Hopkins University

POSTER NUMBER: 106**A MICROGLIA-BASED VACCINE FOR MALIGNANT BRAIN TUMORS**

Kelly Shaffer, Michael Shen, Philip Schmalz, Yong Choi, Andrea Sedlock, Robert Harris, John K. Park

Graduate Student Name: Kelly L. Shaffer

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. John K. Park

Graduate University: Karolinska Institute

University Research Advisor: Dr. Robert Harris

POSTER NUMBER: 107**THE IN VIVO ROLE OF SERINE-PHOSPHORYLATION OF THE PIGMENT CELL TRANSCRIPTION FACTOR MITF.**

Julien Debbache

Graduate Student Name: Julien Debbache

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Heinz Arnheiter

Graduate University: Rennes 1 University

University Research Advisor: Dr. Marie-Dominique Galibert

POSTER NUMBER: 108**NONLINEAR LONGITUDINAL ASSOCIATIONS OF DEPRESSIVE SYMPTOMS WITH BLOOD PRESSURE**

Mauli Shah, B.A., Psychology, University of Maryland, Baltimore County, Baltimore, MD, Alan B. Zonderman, Ph.D., Intramural Research Program, National Institute on Aging, NIH, Baltimore, MD, Shari R. Waldstein, Ph.D., Psychology, University of Maryland, Baltimore County, Baltimore, MD

Graduate Student Name: Mauli Shah, B.A.

NIH Institute-Center: NIA

NIH Research Advisor: Dr. Alan B. Zonderman

Graduate University: University of Maryland, Baltimore County

University Research Advisor: Dr. Shari R. Waldstein

POSTER NUMBER: 109**EXPLORING THE TRANSCRIPTOME OF THE HUMAN BRAIN USING DEEP SEQUENCING**

Dillman A, Gibbs JR, Nalls MA, Majounie E, Singleton AB, Cookson MR

Graduate Student Name: Allissa Dillman

NIH Institute-Center: NIA

NIH Research Advisor: Dr. Mark Cookson

Graduate University: Karolinska Institute

University Research Advisor: Dr. Dagmar Galter

POSTER NUMBER: 110**ELUCIDATING THE BACKGROUND DEPENDENCE OF RECOMBINANT IMMUNOTOXIN INTRACELLULAR PROCESSING**

Martin Skarzynski, John Weldon, Ira Pastan

Graduate Student Name: Martin Skarzynski

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Ira Pastan

Graduate University: Georgetown University

University Research Advisor: Dr. Richard Schlegel

POSTER TITLES

POSTER NUMBER: 111

CHEMOKINE REGULATION OF SYNAPTIC PLASTICITY IN NEURODEGENERATIVE DISEASE

Jenny Dworzak, Dragan Maric, Craig Blackstone, Ole Paulsen, Philip Murphy

Graduate Student Name: Jenny Dworzak

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Philip Murphy

Graduate University: University of Cambridge

University Research Advisor: Dr. Ole Paulsen

POSTER NUMBER: 112

HIV-SPECIFIC ANTIBODIES MEDIATE RAPID ANTIBODY-DEPENDENT CELLULAR CYTOTOXICITY

AGAINST PRIMARY HIV-INFECTED CD4⁺ T CELLS

Adjoa Smalls-Mantey, Rachel Klein, Nicole Doria-Rose, Leo Laub, John Kappes, Christina Ochsenbauer, John Mascola, Quentin Sattentau, Mark Connors

Graduate Student Name: Adjoa Smalls-Mantey

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Mark Connors

Graduate University: University of Oxford

University Research Advisor: Dr. Quentin Sattentau

POSTER NUMBER: 113

GENETIC ASSESSMENT OF A FAMILY AFFECTED BY FULMINANT HEPATIC FAILURE (FHF) DUE TO HEPATITIS A VIRUS (HAV)

Maria B. Eyheramonho, Nadia Aksentijevich, Graciela Saieg, Ivona Aksentijevich, Sergio D. Rosenzweig

Graduate Student Name: Maria Belen Eyheramonho

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Sergio D. Rosenzweig

Graduate University: Universidad de Buenos Aires

POSTER NUMBER: 114

FUNCTIONAL ROLE OF SIRP γ IN LYMPHOCYTE MIGRATION AND T CELL SIGNALING

Erica V Stein, Thomas W Miller, David D Roberts

Graduate Student Name: Erica V. Stein

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. David Roberts

Graduate University: George Washington University

University Research Advisor: Dr. David Leitenberg

POSTER NUMBER: 115

STUDY OF PROTEIN MISFOLDING AND SUBSEQUENT ER STRESS RESPONSE IN SKELETAL DYSPLASIAS

Lynn Felts, Sergey Leikin

Graduate Student Name: Lynn Felts

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Sergey Leikin

Graduate University: University of Texas Medical Branch

University Research Advisor: Dr. Jose Barral

POSTER NUMBER: 116**PVS IN A POD: THE ROLE OF PROMYELOCYTIC ONCOGENIC DOMAINS (POD) ON PAPILOMAVIRUS (PV) INFECTION**

Wesley H. Stepp, Jordan Meyers, and Alison A. McBride

Graduate Student Name: Wesley H. Stepp

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Alison McBride

Graduate University: Georgetown University School of Medicine

POSTER NUMBER: 117**EXPLORING PATTERN-RECOGNITION RECEPTORS AND CILIARY FUNCTION UTILIZING PRIMARY RESPIRATORY EPITHELIAL CELL CULTURES**

Fowler CJ, Colombo RE, Root H, Bryant CE, Holland SM, Olivier KN

Graduate Student Name: Cedar J Fowler

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Steve Holland/Dr. Kenneth Olivier

Graduate University: Cambridge University

University Research Advisor: Dr. Clare E. Bryant

POSTER NUMBER: 118**TOWARDS THE DEVELOPMENT OF ACTIVATABLE NANO SENSORS**

Magdalena Swierczewska, Jin Xie, Seulki Lee, Xiaoyuan Chen

Graduate Student Name: Magdalena Swierczewska

NIH Institute-Center: NIBIB

NIH Research Advisor: Dr. Xiaoyuan (Shawn) Chen

Graduate University: Stony Brook University

University Research Advisor: Dr. Molly Frame

POSTER NUMBER: 119**TARGETED ANALYSIS OF GLYCOMICS LIQUID CHROMATOGRAPHY/MASS SPECTROMETRY DATA**

Gindin Y, Dreyfuss JM, Jacobs C, Benson G, Staples GO, Zaia J

Graduate Student Name: Yevgeniy Gindin

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Paul Meltzer

Graduate University: Boston University

POSTER NUMBER: 120**ISOLATION OF HUMAN DOMAIN ANTIBODIES TO MESOTHELIN BY MAMMALIAN CELL DISPLAY**

Zhewei Tang, Mingqian Feng, Min Qian and Mitchell Ho

Graduate Student Name: Zhewei Tang

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Mitchell Ho

Graduate University: East China Normal University

University Research Advisor: Dr. Min Qian

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POSTER NUMBER: 121

GENOME-WIDE IN-VIVO FUNCTIONAL ANALYSIS OF DNA SUPERCOILING AND CONFORMATION IN THE MAMMALIAN CELLS

Ashutosh Gupta, Fedor Kouzine, and David Levens

Graduate Student Name: Ashutosh Gupta

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. David L Levens

Graduate University: University of Maryland, College Park

POSTER NUMBER: 122

THE POSSIBILITY OF MIRROR NEURONS AT BIRTH: EEG EVIDENCE IN INFANT RHESUS MACAQUES.

Ross E. Vanderwert, Pier Francesco Ferrari, Nathan A. Fox, Stephen J. Suomi

Graduate Student Name: Ross E. Vanderwert

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Stephen J. Suomi

Graduate University: University of Maryland, College Park

University Research Advisor: Dr. Nathan A. Fox

POSTER NUMBER: 123

MECHANISM OF SUBSTRATE TRIAGE BY A NEW CYTOSOLIC CHAPERONE FOR MEMBRANE PROTEINS

Erik Gutierrez and Ramanujan Hegde

Graduate Student Name: Erik Gutierrez

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Ramanujan Hegde

Graduate University: Johns Hopkins University

POSTER NUMBER: 124

MITOCHONDRIAL ACETYLTRANSFERASE-1 (MAT1) AND SIRT3 REGULATE MITOPHAGY THROUGH NUTRIENT SENSING

Bradley R. Webster, Iain Scott, Mark V. Stevens, Michael N. Sack

Graduate Student Name: Bradley R. Webster

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NIH Research Advisor: Dr. Michael Sack

Graduate University: University of New Mexico

University Research Advisor: Dr. Nancy Kanagy

POSTER NUMBER: 125

UNRAVELING HELICASE DYNAMICS ONE MOLECULE AT A TIME: CASE STUDIES IN RECQ AND UVRD

Ryan M Harrison, Achillefs N Kapanidis, Keir C Neuman

Graduate Student Name: Ryan M. Harrison

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. Keir C. Neuman

Graduate University: Oxford University

University Research Advisor: Dr. Achillefs N. Kapanidis

POSTER NUMBER: 126**SEROEPIDEMIOLOGY OF HUMAN PAPILLOMAVIRUS AND RISK OF CERVICAL PRECANCER AMONG WOMEN WITH EQUIVOCAL OR MILDLY ABNORMAL CERVICAL CYTOLOGY**

Lauren Wilson, Tim Waterboer, Patti Gravitt, and Philip Castle

Graduate Student Name: Lauren Wilson

NIH Institute-Center: NCI-DCEG

NIH Research Advisor: Dr. Philip Castle

Graduate University: Johns Hopkins Bloomberg School of Public Health

University Research Advisor: Dr. Patti Gravitt

POSTER NUMBER: 127**INSIGHTS INTO THE FUNCTION OF THE PARKINSON'S DISEASE PROTEIN DJ-1**

David N Hauser, Mark R Cookson

Graduate Student Name: David N. Hauser

NIH Institute-Center: NIA

NIH Research Advisor: Dr. Mark R. Cookson

Graduate University: Brown University

POSTER NUMBER: 128**DIFFUSION TENSOR SPECTROSCOPY OF NAA AND WATER IN THE HUMAN BRAIN AT 7 TESLA**

E.T. Wood, J. Gillen, R.A. Edden, P.B. Barker, A. Techawiboonwong I. Ronen, and D.S. Reich

Graduate Student Name: Emily T. Wood

NIH Institute-Center: NINDS

NIH Research Advisor: Dr. Daniel Reich

Graduate University: Johns Hopkins University School of Medicine

POSTER NUMBER: 129**SONIC HEDGEHOG AND NOTCH INTERACTIONS IN NEURAL STEM CELLS**

Anna Kane, Hui Wang, Emma Karey, and Sohyun Ahn

Graduate Student Name: Anna Kane

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Sohyun Ahn

Graduate University: Brown University

POSTER NUMBER: 130**A SPLICING-INDEPENDENT FUNCTION OF SF2/ASF IN MICRORNA PROCESSING**

Han Wu, Shuying Sun, Kang Tu, Yuan Gao, Bin Xie, Adrian R. Krainer, Jun Zhu

Graduate Student Name: Han Wu

NIH Institute-Center: NHLBI

NIH Research Advisor: Dr. Jun Zhu

Graduate University: Duke University

POSTER NUMBER: 131

DOES NOTCH REGULATE THE ABL SIGNALING PATHWAY BY CONTROLLING THE SUBCELLULAR LOCALIZATION OF ITS COMPONENTS?

Lucy Kotlyanskaya, Ram Kannan, Jeong-Kuen Song, Edward Giniger

Graduate Student Name: Lucy Kotlyanskaya

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NIH Research Advisor: Dr. Edward Giniger

Graduate University: University of North Carolina at Chapel Hill

University Research Advisor: Dr. Mark Peifer

POSTER NUMBER: 132

FORMULATION AND CHARACTERIZATION OF MR IMAGE-ABLE THERMALLY SENSITIVE LIPOSOMES FOR USE WITH MAGNETIC RESONANCE GUIDED HIGH INTENSITY FOCUSED ULTRASOUND

Pavel S. Yarmolenko, Ayele H. Negussie, Ari Partanen, Ashish Ranjan, Genevieve Jacobs, David Woods, Henry Bryant, David Thomasson, Mark W. Dewhirst, Bradford J. Wood and Matthew R. Dreher

Graduate Student Name: Pavel S. Yarmolenko

NIH Institute-Center: CC

NIH Research Advisor: Dr. Bradford Wood

Graduate University: Duke University

University Research Advisor: Dr. Mark W. Dewhirst

POSTER NUMBER: 133

LINKING THE PI3K SIGNALING PATHWAY IN LUNG CANCER TO TUMOR-MEDIATED IMMUNOSUPPRESSION THROUGH B7-H1 EXPRESSION

Kristin J. Lastwika, William Wilson 3rd, and Phillip A. Dennis

Graduate Student Name: Kristin J. Lastwika

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Phillip A. Dennis

Graduate University: George Washington University

POSTER NUMBER: 134

ACTIVATION OF NATURAL KILLER T CELLS INHIBITS LIVER REGENERATION AFTER PARTIAL HEPATECTOMY VIA AN IFN-GAMMA/STAT1 SIGNALING PATHWAY-DEPENDENT MANNER

Shi Yin, Hua Wang, Jilong Shen, Bin Gao

Graduate Student Name: Shi Yin

NIH Institute-Center: NIAAA

NIH Research Advisor: Dr. Bin Gao

Graduate University: Anhui Medical University

University Research Advisor: Dr. Jilong Shen

POSTER NUMBER: 135

IMMUNOLOGY OF HHV6-INDUCED NEUROLOGIC DISEASE IN THE COMMON MARMOSET

Emily Leibovitch, Jillian Wohler, Erin Harberts, Maria Gaitan, Daniel Reich, Afonso Silva, Steve Jacobson.

Graduate Student Name: Emily C. Leibovitch

NIH Institute-Center: OD

NIH Research Advisor: Dr. Steve Jacobson

Graduate University: George Washington University

POSTER NUMBER: 136**APPLICATIONS OF ACTIVATABLE PROBES IN MOLECULAR IMAGING**

Lei Zhu, Seulki Lee, Xiaoyuan Chen

Graduate Student Name: Lei Zhu

NIH Institute-Center: NIBIB

NIH Research Advisor: Dr. Xiaoyuan (Shawn) Chen

Graduate University: Jilin University

University Research Advisor: Dr. Xuexun Fang

POSTER NUMBER: 137**LINKAGE MAPS FROM MULTIPLE GENETIC CROSSES OF PLASMODIUM YOELII AND LOCI LINKED TO VIRULENCE-RELATED GROWTH RATE**

Jian Li, Sittiporn Pattaradilokrat, Feng Zhu, Shengfa Liu, Wenyue Xu, Weiqing Pan, Jane M. Carlton, Richard Carter, John C. Wootton, and Xin-zhuan Su

Graduate Student Name: Jian Li

NIH Institute-Center: NIAID

NIH Research Advisor: Dr. Xin-zhuan Su, Dr. John Wotton, and Dr. Sittiporn Pattaradilokrat

Graduate University: Xiamen University

University Research Advisor: Dr. Shengfa Liu, Dr. Wenyue Xu, and Dr. Weiqing Pan

POSTER NUMBER: 138**GENOMIC PROFILING OF TRANS-DIFFERENTIATED MICROGLIA FROM AUTISM PATIENTS: INSIGHT INTO THE DEVELOPMENTAL BASIS OF MICROGLIAL DYSFUNCTION IN AUTISM**

Mark N. Ziats, Owen Rennert and Azim Surani

Graduate Student Name: Mark N. Ziats

NIH Institute-Center: NICHD

NIH Research Advisor: Dr. Owen Rennert

Graduate University: University of Cambridge

University Research Advisor: Dr. Azim Surani

POSTER NUMBER: 139**THE CENTRAL LARGE CYTOPLASMIC LOOP RENDERS FUNCTIONAL NATIVE CONFIRMATION TO CAMDR1P OF CANDIDA ALBICANS FOR MULTIDRUG RESISTANCE ACTIVITY.**

Ajeet Mandal, Antresh Kumar, Ashutosh Singh and Rajendra Prasad

Graduate Student Name: Ajeet Mandal

NIH Institute-Center: NCI-CCR

NIH Research Advisor: Dr. Di Xia

Graduate University: Jawaharlal Nehru University, India

University Research Advisor: Dr. Rajendra Prasad

POSTER NUMBER: 140**ROBUST AND AUTOMATIC SEPARATION OF ARTIFACT AND BOLD SIGNAL IN MULTI-ECHO FMRI**

Prantik Kundu, Souheil Inati, Jennifer W. Evans, Wen-Ming Luh, Peter A. Bandettini

Graduate Student Name: Prantik Kundu

NIH Institute-Center: NIMH

NIH Research Advisor: Dr. Peter A. Bandettini

Graduate University: Cambridge University

University Research Advisor: Dr. Edward T. Bullmore



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