

Poster Session I
Saturday, June 5, 2010

62	B7-H1 Immune Co-Signaling Regulates Age-Related Inflammation in a Sex-Dependent Manner <i>T. J. Curiel(P), V. Hurez, P. Lin, S. Thibodeaux, A. Richardson, P. Hornsby, Z. D. Sharp</i>
63	Role of Regulatory T-Cells in Age-Related Susceptibility to West Nile Virus <i>Jennifer L. Uhrlaub (P) and Janko Nikolich-Zugich</i>
64	Antigen Related Changes in DC Priming Function in response to Listeria Infection <i>Gang Li (P, G), Brien Rudd, Megan Smithey, Ty Lebsack, Sarah Foster, Janko Nikolich-Zugich</i>
65	Aging Alters Inflammation – and Coagulation – Related Gene Expression in White Adipose Tissue During Inflammatory Stress <i>Marlene E Starr (P, N), B Mark Evers and Hiroshi Saito</i>
66	Peripheral Inflammation and Cerebral Metabolism: A Magnetic Resonance Spectroscopy Study <i>Danielle E. Eagan (P) Mitzi M. Gonzales, Takashi Tarumi, Steve C. Miles, Hirofumi Tanaka, Andreana P. Haley</i>
67	A Molecular Mechanism for TNF-α-Mediated Down-Regulation of B Cell Responses <i>Bonnie B Blomberg (P), Maria Romero, Alain Diaz, Ana Marie Landin, Richard L Riley, Daniela Frasca</i>
68	Immunoproteasome Upregulation Activates NFκB Activity in Cultured Retinal Pigment Epithelial Cells <i>Marcela Maldonado(P,G), Rebecca J. Kapphahn, Neal</i>
69	Examining the Correlation Between T Cell Diversity and Susceptibility to West Nile Virus Infection in the Elderly <i>Michael S. Bennett(P, G), Anne M. Wertheimer, Janko Nikolich-Zugich</i>
70	Age-Related Alterations to the Antigen-Specific CD8+ TCR Repertoire <i>Brian D. Rudd (P, G), Vanessa Venturi, Miles P. Davenport, and Janko Nikolich-Zugich</i>
71	Infection of Aged Rhesus Macaques with SVV: A New NHP Model to Study Herpes Zoster <i>K.Haberthur (P,N), A.Barron, F.Engelmann, A.Legasse, S.Planer, I.Messaoudi</i>
72	Diet Restriction that Improves Longevity and Health Span also Modifies Gut Microbiology <i>Roy J Martin (P), Reshani N Senevirathne, Don Ingram, Marlene Janes, Vishwa Dixit, Michael J Keenan</i>
73	Evaluating Safe (But Weak) Vaccines in Old Mice by Analyzing CD8 T Cell Effector Status and Transcriptional Profile <i>Kristin R. Renkema, Megan J. Smithey (P), Brian D. Rudd, Sarah Foster, and Janko Nikolich-Zugich</i>
74	May Autoimmune Inflammation Protect Against Cancer? New Evidence on Cancer and Rheumatoid Arthritis <i>Svetlana V. Ukraintseva (P) , Konstantin Arbeev, Liubov Arbeeva, Alexander Kulminski, Igor Akushevich, Irina Culminkaya, Anatoli I. Yashin</i>
75	The Dendritic Cell Response to Influenza Virus is Impaired in Aged and Calorie Restricted C57BL6J Mice <i>David M. Duriancik (P) and Elizabeth M. Gardner</i>

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76	<p>Kaposi's Sarcoma in HIV+ Subjects: A Model of Accelerated Immunological Aging and Altered Tumor Surveillance <i>Jeffrey Dock (P, N), Patrick Unemori, Toby Mauer, Kieron S Leslie, Steve Deeks, Peter Martin, Peter Hunt, Rita B Effros</i></p>
77	<p>Inflammatory Proteins and Depression in Older Adults <i>R.S.Newson PhD (P), N.Direk MD, A.Hofman MD PhD, J.Wittemann PhD & H.Tiemeier, MD PhD</i></p>
78	<p>Cellular Senescence in the Lungs Increases Susceptibility to Pneumococcal Infection in Aged Mice <i>P. Shivshankar(P), A. R. Boyd, I-T. Yeh and C. J. Orihuela</i></p>
79	<p>Oxidative Stress and Apoptosis in Ischemia/Reperfusion Injury of Young and Old Skeletal Muscle <i>David W. Hammers (P, N), Martin L. Adamo, Holly Van Remmen, Thomas J. Walters, and Roger P. Farrar</i></p>
80	<p>Increased Reactivity of Dendritic Cells from Aged Subjects to Self-Antigen, the Human DNA <i>Anshu Agrawal (P), Jia Tay, Steven Ton, Sudhanshu Agrawal, Sudhir Gupta</i></p>
81	<p>Does Cytomegalovirus Deserve the Bad Rap? <i>Ann B. Hill, Carrie Nielson, Priya Srikanth, Amanda Simanek, Jennifer Dowd and Allison Aiello</i></p>
82	<p>Negative Feedback Effects of Chronic 17β-Estradiol on Hypothalamic KiSS-1 And Nkβ in the Aging Female Rhesus Macaque <i>Dominique H. Eghlidi (P, N), Steve G. Kohama, and Henryk F. Urbanski</i></p>
83	<p>The Effect of Age on Steroidogenesis in Skeletal Muscle of Women <i>E Pöllänen (P), P Ronkainen, S Sipilä, H Suominen, M Alen, Y Konttinen ja V Kovanen</i></p>
84	<p>Age-Related Expression of Steroidogenic Enzymes in the Rhesus Macaque Hippocampus <i>Krystina G. Sorwell (P), Steven G. Kohama, Henryk F. Urbanski</i></p>
85	<p>Untargeted Metabolomics Implicates Phosphocholine Dysregulation in Muscle Aging <i>Gary J. Patti (P, G), Leah Shriver, Ralf Tautenhahn, Jens Bruening, Ewa Kalisiak, Sunia Trauger, Eric Ravussin, Andrew Dillin, and Gary Siuzdak</i></p>
86	<p>Seeking Possible Mechanisms by Which combined Postmenopausal Hormone Replacement Therapy (HRT) Preserves Muscle Properties <i>P.H.A. Ronkainen (P, N), E. Pöllänen, M. Horttanainen, V. Kovanen</i></p>
87	<p>Healthspan Assessment in Ames Dwarf Mice <i>Lauren B. Sloane (P, G), Steven N. Austad</i></p>
88	<p>A Role for Fibroblast Growth Factor 21 (FGF21) as a Putative Longevity Factor <i>Ravneet K Boparai (P, G), Oge Arum, Michal M Masternak, Romesh Khardori, Andrzej Bartke</i></p>
89	<p>Leukocyte Mitochondrial DNA Content is Associated With Depression in Older Women <i>Moo-Young, Kim(P),Byung-Jin, Park Yu-Na, Son A-Rhm, Han Duk-Chul, Lee Duc Chul</i></p>
90	<p>The Relationship Between Visfatin and Metabolic Syndrome in Postmenopausal Women <i>Jung-Ha Kim, Sang-Hwan Kim, Jee-Aee Im, Duk Chul Lee (P)</i></p>

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91	Association Between Serum Adiponectin and Ferritin Level in Apparently Healthy Women <i>Ji-Won Lee (P, N), Moo Young Kim, Duk-Chul Lee</i>
92	Chemical Analysis of Aging: Testing Predictions From Green Theory <i>Elizabeth L. Ostler,(P) Aamira Iqbal, Declan Naughton, Matthew D. Piper and Linda Partridge</i>
93	Effects of Dietary Restriction on Short-Lived Saccharomyces Cerevisiae Mutants <i>Jennifer Schleit (P), Brian K. Kennedy, and Matt Kaeberlein</i>
94	Age-Dependent Increases in 5'-Adenosine Monophosphate-Activated Protein Kinase, C-JUN-N-Terminal Kinase, and Glycogen Synthase Kinase-3 Beta and Role for Caloric Restriction: Implication for Mitochondrial Energy Substrate Control <i>Ryan T. Hamilton (P, G), Fei Yin, Enrique Cadenas</i>
95	Global Analysis of the Liver Mitochondrial Proteome Half-Lives Demonstrates Increase Turnover Rate with Ageing <i>Dao-Fu Dai(P, G), Nick Schulman, Edward Hsieh, Michael MacCoss, Peter Rabinovitch</i>
96	Mouse Models of Muscle Remodeling <i>Ted G. Graber (P,N), CN (Joyce) Chen*, Kelsey H.H. Mosser, Wendy M. Bratten, Deborah A. Ferrington, LaDora V. Thompson</i>
97	Do the Lifestyle Factors that Minimise Inflammation and Optimise Healthy Aging Change Throughout Life? <i>Judith H Ford (P)</i>
98	Caspase-2 Acts as an Initiator Caspase in Oxidative Stress Induced Apoptosis in Primary Neurons <i>Meenakshi Tiwari (P, G), Marisa Lopez-Cruzan, William W. Morgan and Brian Herman</i>
99	Methionine Sulfoxide Reductase A (MsrA) Does not Affect Lifespan, but Protects From Metabolic Disease <i>Adam Salmon (P, G), Jennalynn Styskal, Florence Nwagwu, Yvonne Watkins, Viviana Pérez, Nicholas Musi, Arlan Richardson</i>
100	Re-Evaluation of the Free Radical Theory of Aging: Short, Normal and Even Long Lifespan in a SOD Mutant In C. Elegans <i>Shin Murakami (P), Hana Murakami, Angela Veh, Kelly Cabana, and Danielle Anderson</i>
101	Resveratrol Depends on Red Wine Polyphenols for Antioxidant Activity <i>Ettore Bergamini (P), Gabriella Cavallini, Alessio Donati, Sara Straniero</i>
102	A Novel Physiological Strategy of Intervention on Aging and Age-Associated Diseases: The DANI Protocol <i>Ettore Bergamini (P), Gabriella Cavallini, Alessio Donati, Zina Gori</i>
103	Is the Attenuation of Insoluble Carbonylated Proteins a Marker of Longevity in Long-Lived Species? A Comparative Approach. <i>Viviana Perez, Shanique Leonard, Arlan Richardson, Steve Austad, Rochelle Buffenstein, and Asish Chaudhuri</i>
104	Calorie Restriction (CR) Protects Against Oxidative Stress-Induced Muscle Atrophy by Preserving Mitochondrial Function and Muscle Integrity Even in the Absence of Antioxidant Enzyme CuZnSOD <i>Young C. Jang (P, G), Michael S. Lustgarten, Florian Muller, Chris Hayworth, Yuhong Liu, Arlan Richardson, and Holly Van Remmen</i>

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105	Do Thioredoxin 2 Transgenic and 1 Knockout Mice Extend the Lifespan Through Different Mechanisms? <i>Ikeno, Y (P), Cortez, L.A., Webb, C.R., Guerra, J., Mahlke, M., Bhattacharya, A., Zhang, Y., Qi, W., Tominaga, K., Liu, Y., Lee, S., Van Remmen, H., and Richardson, A.</i>
106	Does the Nitration of NGF Trigger Neuronal Damage in Aging and Alzheimer's Disease? <i>Kristine M. Robinson (P, G), Randall L. Woltjer, Joseph F. Quinn</i>
107	The Proteasome System in Oxidative Stress and Aging: Are There Common Traits? <i>Karl A. Rodriguez (P, N), Maria E. Gaczynska, Pawel A. Osmulski</i>
108	MLC_{3f} Gene Transfer with a Recombinant Adenovirus into Hindlimb Unloaded Fischer-344 Rat Semimembranosus: The Effect of MLC_{3f} on a Single Fiber Size, Force Generation, and Cell Damage <i>Jong-Hee Kim (P, G), Windy S. Torgerud, Kelsey H. Mosser, Shuichi Watanabe, Hiroyuki Hirai, Atsushi Asakura, LaDora V. Thompson</i>
109	SIRT6 Promotes DNA Repair Under Stress by Mono-ADP-Ribosylating PARP1 <i>Vera Gorbunova (P), Zhiyong Mao, Chris Hine, Amita Vaidya, Marina Feigenson, Andrei Seluanov</i>
110	Inhibition of mTOR Signaling Promotes Mammalian Longevity <i>Dudley W. Lamming(P), Nada Kalaany, Pekka Katajisto, Maki Saitoh, Deanna Stevens, David A Guertin and David M. Sabatini</i>
111	Free Radicals in Aging: Studies of Antioxidants in Models of Diseases of Aging <i>Robert A. Floyd (P)</i>

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112	The Physiological and Molecular Effects of Rapamycin on Heterogeneous Mice <i>Qingying Meng (P), Kevin Flurkey, Robin Ertl, Mike Astle, David Harrison, Rong Yuan</i>
113	A Point Mutation in the Oxidation Sensitive DNA Repair Gene XRCC1 Suppresses Tumor Progression <i>C Pettan-Brewer (P), J Goh, L Enns, R Coil, J Morton and W Ladiges</i>
114	Anti-Oxidation and Lifespan-Prolongation Activities of CordyMax in Oxidative Stress and Aging Models <i>Jia-Shi Zhu (P), Yan Zhang, Jieying Yang, Ninzhi Tan, and Chunsheng Zhao</i>
115	Diseases that Favor Longevity: Case of Goiter <i>Svetlana V. Ukraintseva (P), Konstantin Arbeev, Liubov Arbeeva, Alexander Kulminski, Igor Akushevich Anatoli I. Yashin</i>
116	Caenorhabditis Remanei as the Perfect “Aging” Organism: Genetic Variation for Lifespan and Heat, UV and Oxidative Stress Response, and in a Conserved Aging Pathway <i>Rose M. Reynolds (P), Richard Jovelin, Patrick C. Phillips</i>
117	Acetaminophen Improves Protein Translational Signaling in Aged Skeletal Muscle <i>Miaozong Wu (P), Hua Liu, Jacqueline Fannin, Anjaiah Katta, Yeling Wang, Ravi Kumar Arvapalli, Satyanarayana Paturi, Sunil K. Karkala, Kevin M. Rice, and Eric R. Blough</i>
118	Aging-Induced Change in Neurotransmitter Levels in Rat Brain: HPLC Study <i>Mahendra Bishnoi (P, N)</i>
119	Dysregulation of the Hippocampal Synaptoproteome with Age-Related Cognitive Decline <i>H. VanGuilder (P, G), C. Van Kirk, J. Farley, H. Yan, W. Sonntag, W. Freeman</i>
120	Disruption of Protein Kinase A Protects Against Age-Induced Cardiac Dysfunction <i>Linda C Enns (P,G), Kenneth L Bible, Warren C Ladiges</i>
121	SSeCKS/AKAP12 Prevents Polyploidy/Multinucleation and Rb-Dependent Cellular Senescence by Attenuating PKC Activation <i>Shin Akakura (P), Peter Nochajski, Lingqiu Gao, Paula Sotomayor, Sei-ichi Matsui and Irwin H. Gelman</i>
122	The Impact of Aging on the Mouse Bone Marrow Microenvironment <i>Stephanie N. Zimmer (P), Holly VanRemmen, Vivienne I. Rebel (S. Zimmer)</i>
123	A Quantitative Assessment of the Role of Oxidative Stress During Aging <i>Nicolas Brandes, Heather L. Tienson (P), and Ursula Jakob</i>
124	Monitoring Oxidative Stress in Aging C. elegans <i>Maike Thamsen *, Daniela Knoefler * (P, N), Ursula Jakob</i>
125	An Intervention That Extends Lifespan Abolishes Cognitive Deficits in a Mouse Model of AD <i>Veronica Galvan (P), Patricia Spilman, Natalia Podlutskaya, Matthew J. Hart, Jayanta Debnath, Olivia Gorostiza, Dale Bredesen, Arlan Richardson, Randy Strong</i>
126	Altered Levels and Localization of pCaMKII and pCREB in Alzheimer Hippocampi <i>Lindsay C. Reese (P,N), Wen-Ru Zhang, Giulio Tagliavola</i>
127	Naked Mole-Rats as a Model for Alzheimer’s Disease <i>Yael H Edrey (P,N), James Mele, Asish R Chaudhuri, Rochelle Buffenstein</i>

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128	Blueberry Extracts Sequester Toxic Proteins in the Brain Through Induction of Autophagy <i>Shibu M. Poulouse (P, G), Donna Bielinski, Derek Fisher, Barbara Shukitt-Hale, James A. Joseph</i>
129	Hippocampal M1 Receptor Function Associated with Spatial Learning and Memory in Aged Female Rhesus Macaques <i>Gwendolen E. Haley (P, G), Chris Kroenke, Daniel Schwartz, Steven Kohama, Henryk Urbanski, Jacob Raber</i>
130	Hippocampal Synaptosomal miRNAs are Alternatively Regulated with Aging and Cognitive Decline <i>C. Van Kirk(P, N), H. VanGuilder, R. Brucklacher, W. Sonntag, W. Freeman</i>
131	Mechanisms of Telomere Maintenance and Aging <i>Saumitri Bhattacharyya (P), Dwitiya Sawant and Joanna Groden</i>
132	A Test of Artificially Selected, Long-Lived Flies as a Prospective Model for Further Life Extension in <i>Drosophila Melanogaster</i> <i>Robin J. Mockett (P), Jordan L. Ciza, Shruti Puri, Mye Nguyen, Mehran Nisa and Manami Hatanaka</i>
133	DFOXO Modulates the Effects of Dietary Composition and Restriction on Lifespan in <i>Drosophila Melanogaster</i> <i>Xiaoping Sun (P, G), Luc Poirier, Chunxu Wang, Toshimitsu Komatsu and Tom Alberico and Sige Zou</i>
134	Increased Expression of the GluN2B (NR2B) Subunit of the NMDA Receptor in the Frontal Cortex Improves Memory in Aged Mice <i>B. L. Brim (P, N), R. Haskell, R. Awedikian, M. Ellinwood, L. Jin, K. Magnusson</i>
135	Dietary Natural compounds Improve High Glucose-Induced Neuronal Death and Modulate Oxidative Stress and Apoptosis Markers <i>Maria-Grazia Martinoli (P), Julie Bournival, Marc-André Francoeur, Fanny Longpré</i>
136	Distinct Nutrient Biomarker Patterns are Associated with Brain Volume and White Matter Hyperintensities in the Oldest Old <i>Gene L. Bowman (P), Jackilen Shannon, Lisa Silbert, Jeffrey A. Kaye, Joseph F. Quinn</i>
137	Changes in Growth Factors, Matrix Proteins and Signaling in the Aged Kidney <i>K Sataranatarajan (P, G), MJ Lee, D Feliars, G Ghosh Choudhury, JL Barnes, H Van Remmen, A Richardson and BS Kasinath</i>
138	Sirt1 is Required for the Pathogenesis of Age-Related Hearing Loss in Mice <i>Shinichi Someya (P, G) and Tomas A. Prolla</i>
139	Age Related Changes in Human Tear Lipid <i>Douglas Borchman (P), Gary N. Foulks, Marta C. Yappert</i>
140	Ghrelin Receptor Null Mice Have Reduced Visceral Fat and Improved Insulin Sensitivity during Aging <i>Ligen Lin (P), Pradip K. Saha, Iyabo Osifeso, Longjiang Shao, Alexander G. A. Smith, Owen P. McGuinness, Lawrence Chan and Roy G. Smith, Yuxiang Sun</i>
141	Insulin Resistance in Rapamycin-Fed Mice: Lifespan and Insulin Signaling may not be Directly Linked <i>JennaLynn Styskal (P, N), Adam Salmon, Elizabeth Fernandez, Vivian Diaz, Randy Strong, Dave Sharp, Arlan Richardson</i>

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142	FAT10 (UBD): A Novel Regulator of Adipose Mass, Inflammation and Aging <i>Allon Canaan (P), Jason Defuria, Hui-Young Lee, Varman T. Samuel, Martin S. Obin, Sherman M. Weissman</i>
143	Antagonistic Pleiotropy with Yeast Longevity: Slow and Delayed Living <i>Joe R Delaney (P, N), Chris J Murakami, Brian K Kennedy, Matt R Kaeberlein</i>
144	Replicative Life Span Extension by Dietary Restriction in Yeast Requires the Golgi Calcium/Manganese ATPase PMR1 <i>George L. Sutphin (P, N), and Matt Kaeberlein</i>
145	Testing the Somatic Theory of Aging: Relevance of KEAP1-NRF2 Pathway and Cell-Cycle Arrest Among the Mice and the Long-Lived Naked Mole-Rat <i>James Mele (P, G) and Rochelle Buffenstein</i>
146	The GLUN1_{0XX} (NR1-A) Splice Variant of the NMDA Receptor is Involved in Spatial Reference but not Working Memory <i>Siba Das (P, N), Brenna Brim and Kathy Magnusson</i>
147	Upregulation of the NRF2 Cytoprotective Pathway contributes to Species Longevity <i>Kaitlyn N. Lewis (P,N), James Mele, Yael Edrey, Sung-A Kim, John D.Hayes and Rochelle Buffenstein</i>
148	Mice Hypomorphic for the Igf1 Allele are Resistant to Weight Gain Induced by High Fat Diet <i>Adam B. Salmon, Yuji Ikeno, Roger McCarter, Christian Sell (P)</i>
149	Testing the Oxidative Stress Hypothesis of Aging in Primate Fibroblast Cell Lines: Inverse Correlation Between Species Longevity and Cellular ROS Production <i>Zoltan Ungvari, Andrej Podlutsky, Natalia Podlutskaya, William E. Sonntag, Steven Merlin, Eva E. R. Philipp, Kristian Doyle, Antonio Davila, Steven N. Austad, Anna Csiszar (P)</i>
150	Computational Aids for Systems Biology of Aging <i>Pat Langley (P)</i>
151	Systems Biology of Human Aging – Network Model 2010 <i>John D. Furber (P)</i>
152	Absence of Dietary Carotenoids and N-3 Fatty Acids Promotes Age-Related Macular Degeneration in Rhesus Monkeys <i>Martha Neuringer (P), Peter J. Francis, Laurie Renner, Alison Weiss, Brett G. Jeffrey</i>
153	The Effect of Visceral Fat Removal on Metabolism in GHRKO and Normal Mice <i>Reyhan Westbrook (P), Michal Masternak, April D. Strader, Andrzej Bartke</i>
154	Multi-Platform Radial-Arm Water Maze Deficits Following High-Energy Particle Irradiation, A Model of Accelerated Aging <i>Marshall G. Miller (P), Barbara Shukitt-Hale, Bernard M. Rabin, Kirsty Carrihill-Knoll, James A. Joseph</i>
155	Damage Assays Rather Than Biomarkers of Aging <i>Benjamin P. Best (P)</i>
156	Pilot Studies to Find Measurable Effects of Meditation <i>Alfred B. Ordman (P)</i>
157	Body Height is Associated with Cognitive Function in community Dwelling Old Women <i>Moo Young Kim, M.D., Ji-Won Lee, M.D., Duk Chul Lee, M.D., Ph.D</i>
158	Disease Dissection and Dietogenesis of Paradoxical Protective Pathophysiologies (3DP) <i>Narayan deVera, M.D (P)</i>

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159	2002-2010 Blueberry Health Study Report: Memory Data Analysis Suggests that 100 Participants Conducting 100 Measurements Each Year Can Document a 0.2% Annual Change During a Two-Year Study at 95% Confidence <i>Diana J. Burns, David L. Doiron, Howard A. Raphaelson, Kathy Hull, James A. Joseph, Amy C. Kokesh, Bruce S. Kristal, Alec Pruchnicki, Barrie S. Sachs, Roseanne Schnoll, Joseph Vogelman, Anthony Wetherell, Rolf J. Martin (P)</i>
160	The Kronos Science Laboratory-Blueberry Study-Memtrax Cognitive Assessment Reliability Study <i>Susan Kaib, S. Mitchell Harman, J. Wesson Ashford, Anthony Wetherell, Michael Klvana, Rolf J. Martin(P)</i>
161	Towards a Systems Theory of Aging <i>Vincent E. Giuliano (P, G)</i>
162	Effects of Cranial Irradiation and the Antioxidant Alpha-Lipoic Acid on Hippocampal-Dependent Learning and Memory of Mice in the Water Maze <i>Laura E. Villasana (P) and Jacob Raber</i>
163	Immune Effects of Short or Long-Term Rapamycin Feeding in B16 Mice <i>T. J. Curiel(P), V. Hurez, L. Sun, S. Thibodeaux, H. van Remmen, P. Hornsby, A. Richardson, Z. D. Sharp</i>