JHU OAIC Pepper Scholars Program
Research in Progress Meetings 2010-2015

Date	Presenter	Project Type	Title / Topic
2/24/2010	Enid Neptune	Pilot / Small Pilot	Transcriptional analysis of the aged lung phenotype
3/10/2010	Cindy Roy	RCDC	Anemia Associated with Aging and Chronic Inflammation
5/12/2010	Erwin Tan	Pilot	Physical Activity and Experience Corps Study
7/7/2010	Devon Dobrosielski	RCDC	Sleep Apnea and Frailty
10/6/2010	Ronald Cohn	Pilot	Maintaining Skeletal Muscle Mass: Lessons Learned from Aging and Hibernation
11/3/2010	Frank Lin	RCDC	Hearing Loss and Frailty
12/1/2010	Jeremy Walston	PI / Genetics Core Co-Director	Overview of the state of the art biological findings related to frailty and late life decline
2/2/2011	Ravi Varadhan	Biostatistics Core Development Project	Network models for studying frailty as a complex dynamical system
3/2/2011	Cindy Roy	Small Pilot	Inflammatory Regulators of Anemia in Aged Mice
4/4/2011	Devon Dobrosielski	RCDC	Treating sleep apnea to prevent frailty
5/4/2011	Rita Kalyani	Pilot	Impaired Glucose Metabolism: An Unavoidable Companion of Aging?
6/1/2011	Peter Abadir	RCDC / Small Pilot	Subcellular localization of angiotensin system
7/6/2011	Jiou Wang	Genetics Core Development Project	Aging, Proteotoxicity, and Frailty
8/3/2011	Yuri Agrawal	Pilot	Physiology of vestibular dysfunction and aging
9/7/2011	Peter Abadir	RCDC / Small Pilot	Real time aging, muscles and cytokines
10/12/2011	George Wang	RCDC	Comprehensive characterization of antigen-specific T-cell receptor repertoire reveals unexpected mechanism of T-cell response to viral infection
11/2/2011	Aliaksei Pustavoitau	RCDC	A Prospective Cohort Study Evaluating the Use of P16 Transcriptional Factor Level as a Marker of Molecular Age and Predictor of Perioperative Outcomes
12/10/2011	Sean Leng	Pilot / Small Pilot	Immune Re-modulation and Influenza Immunization in Frail Elderly
1/4/2012	Sameera Talegawkar	Small Pilot	Dietary Patterns and Age-Associated Functional Decline
2/1/2012	Ronald Cohn and Tyesha Burks	Pilot / Diversity Supplemental Award	Therapeutic Modulation of Signaling Pathways Involved in Sarcopenia
3/7/2012	Yuri Agrawal	Pilot	Vestibular Function and Aging
4/4/2012	Guy Marti	Small Pilot (awarded to Dr. John Harmon)	HIF-1α Gene Therapy Combined with HIF-1 Activated Bone Marrow-Derived Angiogenic cells (BMDACs) Therapy Improved Burn Wound Healing in Old Mice
5/2/2012	Devon Dobrosielski	RCDC	Treating Sleep Apnea to Prevent Frailty: An Update
9/12/2012	Peter Abadir	RCDC / Small Pilot	Translating Mitochondrial Biology into Wound Healing Applications
11/7/2012	Rita Kalyani	RCDC / Pilot	Hyperglycemia, Muscle Loss, and Frailty
12/5/2012	John Harmon, Lixin Liu, and Frank Lay	Small Pilot	Combined Bone Marrow Derived Angiogenic Cell/Hypoxia Inducible Factor-1 Therapy to Improve Wound Healing in Elderly Mice
2/6/2013	Rhondalyn McLean	RCDC Diversity supplement	Cardiopulmonary Bypass, Frailty and Inflammation
4/3/2013	Franco D'Alessio	Small Pilot	Age-dependent Resolution of Lung Inflammation

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5/1/2013	Jeffrey Leek	RC1 Development Project	What Can We Really Say with RNA-Sequencing?
	Aliaksei Pustavoitau	RCDC	Use of p16INK4a Transcriptional Factor Level as a Predictor of Perioperative Outcomes in Older Cardiac Surgical Patients: An Update
7/3/2013	Peter Abadir	RCDC / Pilot	Losartan Reverses Age-Related Changes in Mitobiogenesis, Myocardial Function, Oxidative Damage, and Energy Metabolism
9/11/2013	Dan Arking	RC2	The role of mitochondrial copy of number and gene variation in frailty
10/2/2013	Jessica Lee	Pilot	A study of muscle strength maintenance in older adults
	Reyhan Westbrook	RC2	Metabolic Characterization of the IL10$^{Tm/Tm}$ Frail Mouse
11/6/2013	Robert Weiss	Pilot	Magnetic Resonance Spectroscopy, Skeletal Muscle, and Frailty
12/4/2013	Ravi Varadhan and Brian Buta	OAIC	Different instruments for different purposes: An overview of the various frailty instruments and their applications
1/8/2014	Honggang Cui	Pilot	Targeted Supramolecular Nanomedicine
2/5/2014	Mara McAdams Demarco	RCDC	Frailty, Aging and Kidney Transplantation
3/5/2014	Jeremy Walston, Ravi Varadhan, Qian-Li Xue	OAIC	2014 International Frailty Conference Review
4/2/2014	Mary Armanios	Pilot	Telomeres and Age-related changes
5/7/2014	Damani Piggott	External Project	Frailty and HIV Infection among Injection Drug Users
8/6/2014	Peter Abadir	RCDC / Pilot	Renin-angiotensin system and frailty
9/3/2014	Aliaksei Pustavoitau.	RCDC	Transcriptional Factor p16 as a predictor of clinical outcomes after coronary bypass surgery
10/8/2014	Amy Matteini	RC2	Identifying Biologic Mechanisms of Strength Through GWAS
11/5/2014	Reyhan Westbrook	RC2 Development Project / diversity supplement	The Metabolic Characterization of the Interleukin-10^{tm1Cgn} Mouse
12/3/2014	Qian-Li Xue	RC1	Rapamycin Attenuates Age Related Decline in Muscle Function in a Frail Rat Model
1/7/2015	Alden Gross	RCDC	Cognitive domains and physical frailty
2/4/2015	Mara McAdams-Demarco.	RCDC	Frailty and Health-Related QOL and End Stage Renal Disease
3/4/2015	Honggang Cui	Pilot	Conjugation Strategies for Targeted Delivery of Angiotension Receptor Blockers
4/1/2015	Damani Piggott	External project	Frailty, Non-AIDS Disease and Inflammation among Persons Aging with HIV and Substance Use
5/6/2015	Charles Brown	RCDC	Improving Care for Older Adults after Surgery: Reducing Postoperative Delirium and Cognitive Decline
6/3/2015	Yuri Agrawal	RCDC / Pilot	Epidemiology of Age-related Vestibular Loss
9/2/2015	Reyhan Westbrook	RC2 Development Project / diversity supplement	Insights from the Metabolomic Characterization of the Frail Mouse Model

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10/7/2015	Mara McAdams Demarco	RCDC	Moving beyond risk prediction; how do we help frail adults with ESRD?
11/4/2015	Sean Leng	Pilot / RCDC / external project	Chronic CMV Infection and Influenza Foe in Older Adults: What is the link?
12/2/2015	Qian-Li Xue	RC1	Is Variability in Grip Strength a Sign of Vulnerability?