

THE SCIENCE OF AGING

featuring...

THE SYLVAN M. COHEN 2014 ANNUAL RETREAT “The Gender Gap in Aging and the 21st Century Longevity Revolution”



▶ Left to right: Steven E. Arnold, MD; Susan M. Resnick, PhD; John Q. Trojanowski, MD, PhD; C. Neill Epperson, MD; & Tracy L. Bale, PhD

This year the Institute on Aging’s (IOA) Sylvan M. Cohen Annual Retreat was held on Wednesday, May 14th in the Smilow Center for Translational Research at the University of Pennsylvania. Its focus was on the cognitive differences between aging men and women and our growing efforts towards sustaining longevity.

To tackle these topics, the IOA partnered with the Penn Center for the Study of Sex and Gender in Behavioral Health and Medicine. The IOA was delighted to welcome Co-Directors, C. Neill Epperson, MD, and Tracy L. Bale, PhD, as well as visiting scholar, Susan M. Resnick, PhD, Chief of the Laboratory of Neuroscience at the National Institute on Aging (NIA), National Institute of Health (NIH) as presenters.

Lectures covered different cognitive aspects of the aging process, contributing stress factors, and how these factors differ between men and women. The Retreat concluded with the IOA’s annual poster session, ranging in a variety of topics in basic science, clinical research, and education and community.

Over 45 posters, submitted by Penn affiliates as well as from other area colleagues, universities, and community groups, were displayed throughout the lobby of the Smilow Center. After thorough review and deliberation from our judges, first and second prizes were awarded to the best poster submissions in two separate categories; basic science and clinical research/education & community. For the full recap, visit our blog at: PennInstituteonAging.wordpress.com

... and much more inside!

SUMMER 2014



POSTER WINNERS



Clinical Research/Education & Community: 1st Prize

“A Telephone-based Intervention for Chronic Pain in Older Adults Enrolled in a Behavioral Health Care Management Program”

By: J. Zimmerman (pictured), J. Haratz, S. Leong, A. Helstrom, A. Benson, S. DiFilippo, J.E. Streim, D.W. Oslin



Clinical Research/Education & Community: 2nd Prize

“Penetrating Torso Injuries in an Elderly Population: An Urban Trauma Center’s Experience”

By: D. Scantling (pictured), K. Delgado, D. Holena, J. Pascual, P. Reilly, S. Allen



Basic Science: 1st Prize

“Defining Kap β 2 as a Protein Disaggregase for ALS Disease Protein: FUS”

By: L. Guo (pictured), H. Wang, N. Singh, J. Shorter



Basic Science: 2nd Prize

“MMP-9 in Subsets of Spinal Motor Neurons Drives Loss of Fast Muscle Innervation in ALS”

By: K. Spiller (pictured), A. Kaplan, C. Towne, K.C. Kanning, P. Aebischer, C.E. Henderson

University of Pennsylvania Alzheimer's Disease Core Center (ADCC) Site Visit

On April 25th, the University of Pennsylvania hosted over 70 representatives from Alzheimer's Disease Centers across the nation as well as program staff from the National Institute on Aging (NIA). The visit consisted of a tour of the historic Pennsylvania Hospital and its beautiful gardens and surgical amphitheatre (pictured), lectures led by Penn ADCC affiliates, and a debut viewing of Penn's ADCC Virtual Tour Video. Visitors were also given the option to tour the Penn Memory Center, located in the Perelman Center for Advanced Medicine.

Check out Penn's ADCC Virtual Tour on our blog at:
PennInstituteonAging.wordpress.com



CNDR SITE VISIT

Pennsylvania Senator Pat Toomey (left), a member of the Congressional Task Force on Alzheimer's Disease, visited Penn to tour the Center for Neurodegenerative Disease Research (CNDR) lab and discuss the importance of federal funding for Alzheimer's and related diseases.

▶ (Left, center, right): Senator Pat Toomey; John Q. Trojanowski, MD, PhD, Director, IOA; & Kurt Brunden, PhD, Director, Drug Discovery at CNDR



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Learn more about becoming an IOA Fellow at:
www.med.upenn.edu/aging/fellows.shtml

Make a gift today!

To support aging-related research and care at the Institute on Aging, please contact:

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Penn Medicine Development
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Philadelphia, PA 19104
215-573-0187
MSOF@upenn.edu



On May 29th, supporters of Penn's Center for Neurodegenerative Disease Research (CNDR) and CurePSP* | Foundation for PSP, CBD*, and Related Brain Disorders joined together to celebrate a new partnership to accelerate drug discovery of novel therapies for neurodegenerative diseases.

Penn Medicine was awarded a total of \$1.45 million from CurePSP to support the work of Drs. Virginia M.-Y. Lee, John Q. Trojanowski, and Jerry D. Schellenberg. Both organizations will continue to work together to raise additional financial support for these projects.

MANY THANKS!

Our sincere thanks to the IOA's generous donors, friends, & volunteers. Meet members of the IOA External Advisory Board at:

www.med.upenn.edu/aging/ExternalAdvBoard.shtml

▶ (Top, left to right): Richard Gordon Zyne, DMin, President/CEO, CurePSP; Amy Branch, CurePSP Board Member; & Virginia M.-Y. Lee, PhD, MBA, Director, Center for Neurodegenerative Disease Research at Penn.

▶ (Bottom, left to right): Lawrence I. Golbe, MD, Chair, CurePSP Scientific Advisory Board; & John Q. Trojanowski, MD, PhD, Director, IOA

* PSP: Progressive Supranuclear Palsy
CBD: Corticobasal Degeneration



what's new in AGING RESEARCH?

UPCOMING EVENTS

- November 24, 2014
Joseph A. Pignolo, Sr. Award in Aging Research
Dongsheng Cai, MD, PhD
- December 11, 2014
Vincent J. Cristofalo Lectureship
Alfred L. Goldberg, PhD
- January 8, 2015
Cognitive Impairment in Alzheimer's Disease and Parkinson's Disease
Tom Montine, MD, PhD
- January 15, 2015
Pathways that Modulate Longevity in Life Forms
Brian K. Kennedy, PhD
- February 26, 2015
Gender Differences in Brain Aging
Sarah L. Berga, MD
- March 17, 2015
Geriatric Syndromes
Neil Resnick, MD
- April 29, 2015
Complex Care Issues in Health of the Elderly
Ann Marie Kolanowski, PhD, RN, FGSA, FAAN

More details at:
www.med.upenn.edu/aging/events.shtml

2015 PILOT RESEARCH AWARDS

"Effects of Autologous Juvenile, Adult, and Aged Tenocyte-Seeded Nanofibrous Scaffolds in Rotator Cuff Repair"

ANDREW F. KUNTZ, MD

"Rescue of Telomere Dysfunction Using Genome Editing and Pharmacological Approaches"

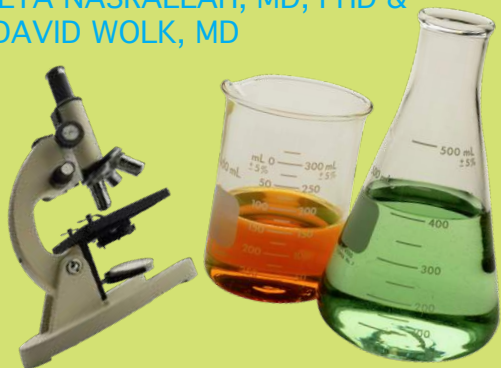
CHRISTOPHER J. LENGNER, PHD & F. BRAD JOHNSON, MD, PHD

"The Stimulation of Modeling-based Bone Formation in Estrogen-deficient Bone"

X. SHERRY LIU, PHD

"Tau Positron Emission Tomography Imaging in Young Onset Focal Dementia"

ILYA NASRALLAH, MD, PHD & DAVID WOLK, MD



View full abstracts for all IOA and Alzheimer's Disease Core Center Pilots at:

www.med.upenn.edu/aging/PilotAwards.shtml

McKEOWN FOUNDATION SUPPORTS ALZHEIMER'S RESEARCH AND CARE AT INSTITUTE ON AGING AND PENN MEMORY CENTER



▶ (Left to right): Virginia M.-Y. Lee, PhD, MBA, Director, CNDR; Joseph McKeown, Penn Medicine; John Q. Trojanowski, MD, PhD, Director, IOA; & Suzanne Sawyer, Penn Medicine

The McKeown Foundation, led by Penn Medicine's Joseph McKeown, awarded a total of \$20,000 in grants to support Alzheimer's Disease research and care at the Institute on Aging and Penn Memory Center. The McKeown Foundation was founded in honor of the family patriarch, William J. McKeown, Jr., who lost his battle to the disease in 1991. It is dedicated to promoting Alzheimer's research, care, and education for Alzheimer's patients and their loved ones. Many thanks to the McKeown family for their generous support.

"We have developed a wonderful relationship with the McKeown family, including Joe McKeown, and we are impressed by their commitment and dedication to making a difference in Alzheimer's research and care."

- John Q. Trojanowski, MD, PhD; Director, Institute on Aging

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▶ Share your thoughts...

From our e-newsletter, to our website, and now our brand new print layout, the IOA has undergone some major updates within the past year! There is always room for improvement and with your help, we can continue to evolve as a beneficial resource to improve the health of the aging community. Please send any feedback to:

Aging@mail.med.upenn.edu

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The mission of the Institute on Aging at the University of Pennsylvania is to improve the health of older adults by increasing the quality and quantity of clinical and basic research as well as educational programs focusing on normal aging and age-related diseases across the entire Penn campus.

SAVE THE DATE: September 21, 2014

Join us in support of Alzheimer's and aging-related research at the IOA!

Register online at: PennMedicine.org/5kIOA



 Penn Medicine

**PENN'S
5K FOR THE IOA** | The Institute
on Aging

& THE MEMORY MILE WALK

Sunday, September 21st, 2014 • 8:00 am @ Penn Park