

**The Institute on Aging  
Perelman School of Medicine  
University of Pennsylvania**

**External Advisory Board**

**November 9, 2011**

John Trojanowski, MD, PhD

Director

Steven Arnold, MD

Associate Director

Kathryn Jedrzejewski, PhD

Deputy Director



Institute on Aging  
Perelman School of Medicine  
University of Pennsylvania



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



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# National Institute on Aging Grants FY2008

1.	University of Michigan, Ann Arbor	\$37,956,101
2.	Johns Hopkins University	\$25,633,847
3.	University of CA San Diego	\$23,732,753
4.	University of Pittsburgh	\$21,584,523
5.	Columbia University Health Sciences	\$19,762,430
6.	University of CA San Francisco	\$19,278,960
7.	University of Washington	\$18,043,224
<b>8.</b>	<b>University of Pennsylvania</b>	<b>\$17,399,283</b>
9.	Washington University	\$17,219,715
10.	Rush University Medical Center	\$17,119,972



# National Institute on Aging Grants FY2009

1.	University of Michigan, Ann Arbor	\$42,296,667
2.	<b>University of Pennsylvania</b>	<b>\$26,868,791</b>
3.	Johns Hopkins University	\$26,558,906
4.	University of CA San Diego	\$25,277,623
5.	University of CA San Francisco	\$24,888,424
6.	University of Pittsburgh	\$23,441,313
7.	Duke University	\$21,012,936
8.	University of Wisconsin, Madison	\$20,636,485
9.	University of CA Los Angeles	\$20,634,540
10.	University of Washington	\$20,114,947



# National Institute on Aging Grants FY2010

1.	University of Michigan, Ann Arbor	\$38,496,925
2.	<b>University of Pennsylvania</b>	<b>\$30,053,521</b>
3.	Johns Hopkins University	\$28,743,055
4.	University of Pittsburgh	\$25,746,774
5.	University of CA San Francisco	\$24,821,934
6.	University of Wisconsin, Madison	\$24,313,932
7.	University of CA San Diego	\$23,930,232
8.	Columbia University	\$23,719,940
9.	Washington University	\$20,734,069
10.	University of Washington	\$18,863,590



# Aging Grants at Penn

All Funding for IOA Fellows

From All Schools

Including NIH and All Other Grants

(current year)

\$190,091,298

To Follow Are Representative Examples Of Penn Aging Grants Other Than Those On Neurodegenerative Diseases To Give An Idea Of The Diversity Of This Research In Other Areas Of Gerontology



# Aging Grants at Penn

## Division of Geriatrics - Educational Grants

### Jerry Johnson:

- **HRSA Geriatric Interdisciplinary Fellowship (2010-2015)**
  - Prepare fellows in geriatrics, psychiatry and oral medicine for certification and to be clinical and teaching faculty
  - Prepare fellows for leadership in interdisciplinary and culturally competent practice and education
- **Donald W. Reynolds Foundation—Penn CARES (2009-2012)**
  - Strengthen geriatric training for UPenn Perelman SOM undergraduates, residents and faculty
  - Create and sustain community-based service learning in geriatrics
- **Penn Hartford Physician Faculty Development COE, American Federation for Aging**
  - Faculty development funding for aspiring investigators and clinician teachers



# **Aging Grants at Penn**

## **Division of Geriatrics - Educational Grants**

### **Mary Ann Forciea:**

- **HRSA Geriatric Education Center of Greater Philadelphia—  
GEC- GP (2010-2015)**
  - Multi-institutional, multi-disciplinary training for faculty and practicing professionals related to elders with behavioral or mental impairment, interprofessional care at the end of life, and evidence-based practice.

### **Junior Faculty:**

- **HRSA Geriatric Academic Career Awards (2010-2015)**
  - To increase the number of junior geriatric faculty and promote the career development of academic geriatricians emphasizing clinical geriatric training and training of geriatric interdisciplinary teams
    - Amy Corcoran
    - Rachel Miller
- **Resource Center for Minority Aging Research Supplemental Award (2010-2012)**
  - To promote diversity in health-related research program
    - Selamawit Negash



# **Aging Grants at Penn**

## **Division of Geriatrics - Individual Research Awards**

- **Jerry Johnson,**
  - “Resource Center for Minority Aging Research—RCMAR,” NIH P30
- **Robert Pignolo,**
  - “Osteoporosis and Osteoblast Differentiation in Mouse Models of Accelerated Aging”, NIH R01



# Aging Grants at Penn

## Division of Geriatrics

### Individual Research Awards & Clinical Trials

#### David Casarett:

- “Family Evaluation of Hospice Care”, Brown University sub to AHRQ award

#### Jason Karlawish:

- “The Making and Unmaking of Alzheimers Disease”, Robert Wood Johnson Foundation
- “Risk Evaluation and Education for Alzheimer’s Disease”” Brigham & Women’s Hospital sub to NIH R01
- “Parkinsons Disease and Research Consent Capacity”, NIH R01
- “Home-based Assessment Study [HBA]”, University of California-San Diego, Sub to NIH U01
- “Pfizer TTP488 Study”, University of California-San Diego, Sub to Pfizer Sponsored Project
- “Internal Ethics”, University of California-San Diego, Sub to NIH U01



# Aging Grants at Penn

## School of Nursing

### **Mary Naylor:**

- “IFN Support (Implementation Phase Award)”, Robert Wood Johnson Foundation

### **Eileen Sullivan-Marx:**

- Selected as a Health and Aging Policy Fellow for 2010-11

### **Kathy Bowles:**

- "Decision Support: Optimizing Post Acute Referrals and Effect on Patient Outcomes“, a 5-year, \$2.9 million R01 from NINR

### **Katherine Abbott:**

- "Social Networks in Long-Term Care: Pilot Testing Novel Approaches to Measurement”, Foundation grant from the Frances Parker Memorial Home



# Aging Grants at Penn

## School of Nursing – contd.

### **Richards, Kathy:**

- Validation of measures of Restless Leg Syndrome for elders with memory disorders, NIA 8/1/2010-8/31/2011 \$1,388,568

### **Mary Ersek:**

- Validation of pain behavior and painful condition measures, School of Nursing Research Committee 6/1/2011-12/31/2011 \$10,000
- Frontal Temporal Lobar Degeneration research and treatment, School of Medicine 7/1/11-6/30/12 \$50,000

### **Katherine Abbott:**

- Assessing Longitudinal Changes in Social Networks and Health Related quality of life among LTSS recipients, School of Nursing Research Committee 7/1/11-6/30/12 \$10,000



# Aging Grants at Penn

## School of Nursing – contd.

### **Karen Hirschmann:**

- Palliative needs of cognitively impaired patients during healthcare transitions, NIA 8/1/11-7/31/13 \$100,000

### **Gail Towsley:**

- Older adults and their perspective on chronic conditions, NewCourtland 7/1/11-6/30/12 \$10,000

### **Melissa Wachterman:**

- End of life decision making in seriously ill patients: the case of ESRD, F32 NIH Post-Doc 9/21/11-9/20/12 \$63,000

### **Salimah Meghani:**

- Developing a tailored pain-risk assessment clinical PRAC towards ameliorating cancer pain disparities, RCMAR pilot funds 7/1/11-6/30/12



# Aging Grants at Penn

## School of Social Policy & Practice

### Training in Geriatric Social Work: The MetLife Fellows Program, MetLife Foundation Grant 2011-2012

The primary aim is to increase the number of well-trained Penn Gero Social Work graduate students in providing clinical and community services to the growing aging population in the US.



# Aging Grants at Penn

## Penn Dental Medicine

### Joan Gluch:

An award of \$2 million over the next five years from the Health Resources and Services Administration (HRSA) in support of community and public health training programs within the school.



# NIH ARRA/Stimulus at University of Pennsylvania

	Submitted	Awarded
Proposals	1,572	416
Project Costs	\$1.2 billion	\$195.1 million



# NIH ARRA/Stimulus at University of Pennsylvania

	Total Dollars Awarded	Total Committed Dollars
Annenberg School for Communication	815,865	815,865
Graduate School of Education	1,582,121	1,810,980
School of Arts and Sciences	11,763,592	12,437,425
School of Dental Medicine	1,756,705	2,114,907
School of Engineering and Applied Science	4,660,334	5,045,889
School of Medicine	106,012,758	155,741,280
School of Nursing	1,021,737	1,419,067
School of Veterinary Medicine	3,578,044	4,691,146
Facilities and Real Estate Services	181,650	181,650
General University	975,533	975,533
Annenberg Center For Performing Arts	12,896	12,896
Law School	110,316	110,316
Wharton School	205,922	205,922
Provost Interdisciplinary Programs	73,238	73,238
Provost's Center	245,642	245,642
<b>Grand Total</b>		<b>185,881,756</b>



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# NIH ARRA/Stimulus at Perelman School of Medicine

	Awarded
Proposals	333
Project Costs	\$186,800,000



# Updates on IOA Five Point Plan For 2008-2014

- 1) Administration of the IOA in Support of the IOA Mission
- 2) IOA Visiting Scholars Series, IOA Sylvan M. Cohen Annual Retreat and Other IOA Sponsored Events
- 3) IOA Pilot Grant Award Program
- 4) Joint Recruitment of New Faculty
- 5) Database Core to Support Neurodegenerative Disease Research



# IOA External Advisory Board Updates

## Joining Advisory Board:

- Alexander J. Brucker
- Barry F. Kahan
- Jonathan Wachtel



# IOA External Advisory Board Updates

Rotating off Advisory Board:

- Nora Dowd Eisenhower



# IOA External Advisory Board Committees

## Public Affairs:

- Willo Carey
- David Chess
- Warren Kantor
- Bruce Kehr
- Barbara Kleger
- Orien Reid Nix
- William Potter
- Thomas Rittenhouse
- Barry Rorer
- Donna Marie Seyfried
- Daniel Skovronsky
- Don Weissman

\*Chair



# IOA External Advisory Board Committees – contd.

## Fundraising:

- Dick Brown\*
- Lena Chow
- David Hoefner
- Arlene Halpern
- Carol Huff
- Lawrence Huff
- Robert Lane, Jr.
- Judith Newman

\*Chair



**Pennsylvania Secretary of Aging  
Brian Duke**

**Visit to University of Pennsylvania  
Institute on Aging**

July 29, 2011

12:00 noon – 2:00 pm

Maloney Building, 36<sup>th</sup> and Spruce Streets  
1<sup>st</sup> Floor Conference Room



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# Pennsylvania Secretary of Aging Brian Duke Visit Agenda

- 12:10 – 12:15 Welcome and Introductions
- Dr. John Trojanowski
- 12:15 – 12:30 New Directions and New Initiatives at the Pennsylvania Department of Aging
- Secretary of Aging Brian Duke
- 12:30 – 12:45 Appropriateness of Medication Use and Adherence in Medicare and Medicaid Patients
- Dr. Jalpa Doshi
- 12:45 – 1:00 Clinical Trials of Drugs and Other Interventions for Alzheimer’s Disease and Mild Cognitive Impairment
- Dr. Steven Arnold
- 1:00 – 1:15 Enhancing Care Coordination from the Hospital to Home for Cognitively Impaired Older Adults and Their Family Caregivers
- Dr. Karen Hirschman
- 1:15 – 1:30 Alzheimer’s Disease Drug Discovery Program
- Dr. Virginia Lee
- 1:30 – 1:55 Discussion
- 1:55 – 2:00 Concluding Remarks
- Dr. John Trojanowski
- 2:00 Tour of Center for Neurodegenerative Disease Research



# Untangling Alzheimer's: A Key to *Healthy Aging*

Penn Medicine for  
United Way Lifelong Leadership Circle

October 4, 2011

Noon – 2:00 pm

## Welcome remarks by

**Kevin B. Mahoney**

Senior Vice President and Chief Administrative Officer, University  
of Pennsylvania Health System  
Vice Dean for Integrative Services, Perelman School of Medicine

**Jill M. Michal**

President and Chief Executive Officer, United Way of Southeastern  
Pennsylvania

## Moderated by

**Orien Reid Nix**

## Featuring

**Steven E. Arnold, M.D.**

**Jason Karlawish, M.D.**

**Virginia M.-Y. Lee, Ph.D., M.B.A.**

**John Q. Trojanowski, M.D., Ph.D.**



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# **Institute of Medicine-Perelman School of Medicine**

## **Alzheimer Disease Symposium**

**November 30, 2011**

**4:00 PM – 6:00 PM**

**Austrian Auditorium, Clinical Research Building**

**Perelman School of Medicine**

**University of Pennsylvania**

**“Alzheimer’s: An Epic Challenge for the Baby Boom  
Generation”**

**Presenters: Drs. John Trojanowski, Jerry Schellenberg,  
Kurt Brunden and Virginia Lee**



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# Institute on Aging

## Sylvan M. Cohen Annual Retreat

- Goal: To highlight distinctive aging research and/or policy
- Format includes:
  - Sylvan M. Cohen Visiting Scholar
  - Prominent PENN lecturer(s) in aging
  - Poster session with posters from both PENN and community-based organizations – awards for best PENN posters in Basic Science, Clinical Research, Educational Programs and Other Projects



# **Institute on Aging Sylvan M. Cohen Annual Retreat**

May 17, 2011 – Houston Hall

Co-sponsored by the Scheie Eye Institute/ Department of Ophthalmology

11:30 Lunch

1:00 **Sylvan M. Cohen Visiting Scholar**

**Paul A. Sieving, MD, PhD**

**Director, National Eye Institute**

*“Ophthalmic Genetics and Translational Opportunities”*

2:00 **PENN Presenters:**

Dwight Stambolian, MD, PhD

*“From Hype to Hope? A Journey Through the Genetics of Age-Related Macular Degeneration Past, Present and Future. . .”*

Jean Bennett, MD, PhD

*“Seeing is Believing: A Gene Therapy Success”*

3:00 Poster Session

5:00 Adjourn



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# **Institute on Aging Sylvan M. Cohen Annual Retreat**

**May 15, 2012 – Houston Hall**

**Co-sponsored by the University of Pennsylvania – Carnegie Mellon  
University Roybal Center on Behavioral Economics and Health**

**11:30 Lunch – ALL ARE INVITED**

**12:30 Program begins**

**Sylvan M. Cohen Visiting Scholar**

**Troyen A. Brennan, MD, JD, PhD**

**CVS Caremark Executive Vice President, Chief  
Medical Officer**

**3:00 Poster Session**

**5:00 Adjourn**



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**Institute on Aging Sylvan M. Cohen  
Annual Retreat  
2013**

Theme:  
Aging and Cancer



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# **The Vincent J. Cristofalo, PhD Annual Lectureship**

September 12, 2011  
University of Pennsylvania

**James W. Vaupel, PhD**

Max Planck Institute for Demographic Research

Presented with the Population Aging Research  
Center (PARC)



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**The Vincent J. Cristofalo, PhD  
Annual Lectureship  
2012**

**Invited:**

**Elizabeth H. Blackburn, PhD**

**Department of Biochemistry and  
Biophysics**

**University of California, San Francisco**



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# IOA Visiting Scholars

## Planning committee:

- John Trojanowski
- Anne Cappola
- Neill Epperson
- Kathy Jedrzewski
- Jason Karlawish
- Mary Naylor
- Bob Pignolo
- Andrew Siderowf
- Jerry Schellenberg

The IOA Visiting Scholars Series is dedicated to bringing to Penn national leaders in aging research, policy and clinical care. Sessions are designed to promote interdisciplinary dialogue, discussion and debate.



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**University of Pennsylvania**



# IOA Visiting Scholars - 2010-2011

- September 16, 2010: **Daniel M. Skovronsky**, MD, PhD, President and CEO, Avid Radiopharmaceuticals, Inc. “PET Imaging of Amyloid Plaque in Alzheimer’s Disease – Insights into Pathogenesis of Disease” (with CNDR)
- January 25, 2011: **Susan L. Lindquist**, PhD, MIT, “Can Simple Cells Model Complex Diseases?”
- March 22, 2011: **Claudia Kawas**, MD, University of California, Irvine, “The Oldest Old: 95 Is the New 65?”
- May 6, 2011: **Bruce McEwen**, PhD, The Rockefeller University, “Sex, Stress and the Brain: Hormone Actions Above the Hypothalamus Via Novel Mechanisms” (with Penn Vet School, Comprehensive Neuroscience Center, Genetics Dept., Mahoney Inst. of Neurological Sciences, Intellectual and Developmental Disabilities Research Center, Penn Center for Women’s Behavioral Wellness)



# IOA Visiting Scholars - 2011-2012

- **November 29, 2011: Todd Golde, MD, PhD, University of Florida**
- **January 12, 2012: Barbara Resnick, PhD, RN, CRNP, University of Maryland**
- **January 26, 2012: Kenneth Langa, MD, PhD, University of Michigan**
- **March 20, 2012: Jack Guralnik, MD, PhD, University of Maryland, "Maintaining Mobility in Old Age: The Role of Physical Activity"**



# IOA Visiting Scholars

Selected lectures available via pod casting, accessed  
at no charge through the IOA website:

[www.med.upenn.edu/aging](http://www.med.upenn.edu/aging)



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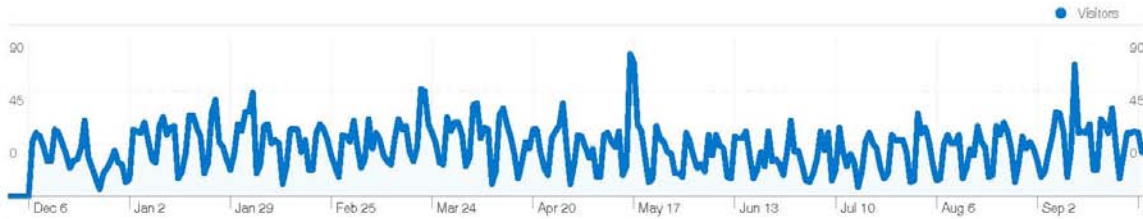


# IOA Website Update

<http://www.med.upenn.edu/aging/>


- Enhancement of website, based on advice from Penn Medicine web team, initiated week of February 1st
- Using Google Analytics to track data








**5,713 people visited this site**


 **9,083 Visits**


 **5,713 Absolute Unique Visitors**

 **22,431 Pageviews**

 **2.47 Average Pageviews**

 **00:01:55 Time on Site**

 **57.83% Bounce Rate**

 **60.21% New Visits**

### Technical Profile

Browser	Visits	% visits
Internet Explorer	4,223	46.49%
Firefox	2,628	28.93%
Safari	1,072	11.80%
Chrome	1,050	11.56%
Mozilla Compatible Agent	30	0.33%




# Traffic Sources Overview

Dec 1, 2010 - Sep 30, 2011

Comparing to: Site



All traffic sources sent a total of 9,083 visits

-  16.57% Direct Traffic
-  26.24% Referring Sites
-  57.18% Search Engines

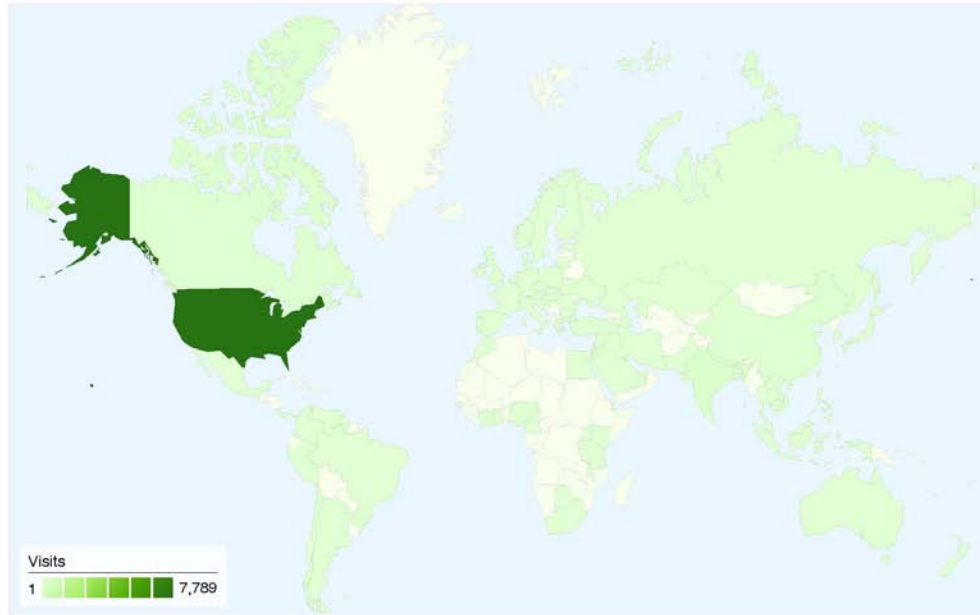


- Search Engines  
5,194.00 (57.18%)
- Referring Sites  
2,383.00 (26.24%)
- Direct Traffic  
1,505.00 (16.57%)
- Other  
1 (0.01%)

## Top Traffic Sources

Sources	Visits	% visits	Keywords	Visits	% visits
google (organic)	4,749	52.28%	penn institute on aging	62	1.19%
(direct) ((none))	1,505	16.57%	institute on aging penn	60	1.16%
pennmedicine.org (referral)	519	5.71%	institute on aging	48	0.92%
uphs.upenn.edu (referral)	486	5.35%	institute of aging	44	0.85%
upenn.edu (referral)	286	3.15%	ioa penn	43	0.83%

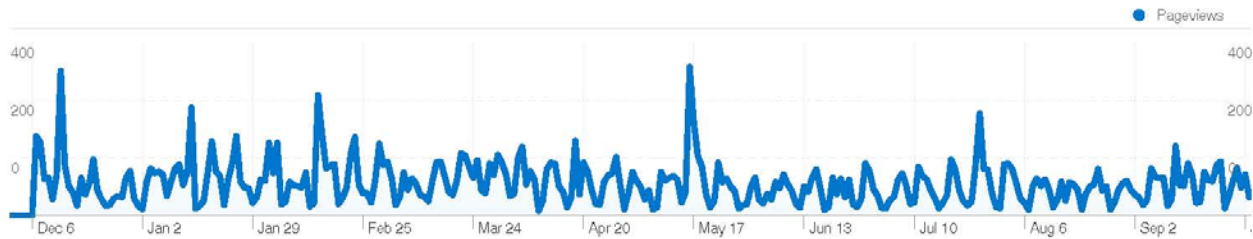





9,083 visits came from 94 countries/territories


Site Usage						
Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate		
<b>9,083</b>	<b>2.47</b>	<b>00:01:55</b>	<b>60.21%</b>	<b>57.83%</b>		
% of Site Total: 100.00%	Site Avg: 2.47 (0.00%)	Site Avg: 00:01:55 (0.00%)	Site Avg: 60.21% (0.00%)	Site Avg: 57.83% (0.00%)		
Country/Territory	Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate	
United States	7,789	2.54	00:02:00	57.03%	56.59%	
India	222	1.91	00:01:51	77.48%	64.86%	
United Kingdom	119	2.29	00:00:49	86.55%	70.59%	
Canada	108	2.10	00:01:09	90.74%	64.81%	
China	93	2.11	00:02:11	66.67%	59.14%	
Germany	62	1.92	00:01:41	82.26%	59.68%	
Brazil	40	1.70	00:01:27	22.50%	72.50%	
Philippines	33	2.00	00:01:25	100.00%	69.70%	
Italy	33	1.58	00:01:22	81.82%	69.70%	






Pages on this site were viewed a total of 22,431 times

 **22,431** Pageviews

 **16,920** Unique Views

 **57.83%** Bounce Rate

### Top Content

Pages	Pageviews	% Pageviews
/aging/	4,421	19.71%
/aging/2011SylvanMCohenAnnualRetreatwithPosterSessiononAgi	804	3.58%
/aging/FellowsDirectory.shtml	784	3.50%
/aging/researchers.shtml	665	2.96%
/aging/index.shtml	628	2.80%



# IOA Pilots

## Fiscal Years 2007 - 2011

- Funding for IOA Pilots doubled via The Bingham Trust Gift
- Matching funds
  - \$200,000 from Perelman School of Medicine
- 8 pilots @ \$50,000 each were funded each year



# IOA Pilots - Fiscal Year 2012

- Funding for IOA Pilots
  - \$200,000 from Perelman School of Medicine
- 4 pilots @ \$50,000 each were funded
- Collaboration with PENN Alzheimer's Disease Core Center (ADCC) on pilot proposal solicitation and review
  - Four IOA pilots awarded
  - Two ADCC pilots awarded



# IOA Pilots - Fiscal Year 2012

- 1) **Hamilton, Roy**, “Transcranial direct current stimulation to enhance language recovery in patients with aphasia after subacute stroke”
- 2) **Kohler, Hans-Peter**, “Aging, resource networks and mental health in a poor high-risk disease environment”
- 3) **Naidoo, Jini**, “Role of the aging UPR in the metabolic effects of sleep loss”
- 4) **Riethman, Harold**, “Single-cell *in situ* analysis of aging using telomere probes and discrete subtelomeric probe sets”



# ADCC Pilots - Fiscal Year 2012

- 1) **Carlson, Greg**, “Neurophysiology of cognitive decline in aging associated with insulin resistance”
- 2) **Siman, Robert**, “Electrophysiological correlates of progressive tauopathy”



# IOA Pilots

Success rate for IOA pilots – 61.5% of completed IOA pilots (N=52) have resulted in additional successful extramural grant awards

32 pilot awardees have received additional funding for their work, receiving a total of 36 grants



# IOA Faculty Joint Recruits

## IOA/Pathology and Laboratory Medicine:

- **Edward B. Lee, MD, PhD**, Assistant Professor in the Department of Pathology and Laboratory Medicine, started 7/1/2011
  - Diabetes, obesity and metabolic syndrome as they relate to the increased risk for AD

## IOA/Psychiatry, Section of Geriatric Psychiatry:

- **Mitchel Kling, MD**, Associate Professor in the Department of Psychiatry, started 7/1/2010
  - Discovery and development of psychiatry biomarkers

## IOA/Neurology:

- **Alice Chen-Plotkin, MD**, Assistant Professor in Neurology, started 5/1/2010
  - Genomic studies of neurodegenerative diseases

## IOA/Pathology and Laboratory Medicine:

- **Gerard Schellenberg, PhD**, Professor in the Department of Pathology and Laboratory Medicine, started 9/2008
  - Genetics of AD and other neurodegenerative diseases



## IOA Faculty Joint Recruits – contd.

### IOA/Pathology and Laboratory Medicine:

- **Li-San Wang, PhD**, Assistant Professor in the Department of Pathology and Laboratory Medicine, started 1/2007
  - Bioinformatics

### IOA/Medicine:

- **Rachel Werner, MD, PhD**, Assistant Professor in the Department of Medicine, started 1/2005
  - Health services research

### IOA/Pathology and Laboratory Medicine:

- **Mark Forman, MD, PhD**, Assistant Professor in the Department of Pathology and Laboratory Medicine, started 7/2004
  - Molecular neuropathology of frontotemporal dementias, parkinsonism and related tauopathies

### IOA/Pharmacology:

- **Benoit Giasson, PhD**, Assistant Professor in the Department of Pharmacology, started 1/2004
  - Molecular neuropathology of Parkinson's disease and related synucleinopathies



# IOA Faculty Joint Recruits

## Successes

- **Dr. Benoit Giasson** – The Ellison Medical Foundation New Scholars in Aging Fellow and leads a Project in the PENN Udall Center; has added 28 peer-reviewed publications since joining the faculty
- **Dr. Mark Forman** – McCabe Fund Fellow Award, as well as 3 other grant awards (recruited to Merck, July 2006)
- **Dr. Rachel Werner** – Associate Professor; currently PI on NIA R01, AHRQ R01 and 2 multi-year grants funded by the VA and Aetna Foundation; Recipient of Presidential Early Career Award for Scientists and Engineers and T.F. Williams Award in Geriatrics, Dept. of Veterans Affairs Career Development Award (CDA) and American Heart Association CDA; has added 28 peer-reviewed publications since joining the faculty



# IOA Faculty Joint Recruits

## Successes – contd.

- **Dr. Li-San Wang** – PI of IOA Pilot Grant, Penn Research Foundation Pilot Grant and Penn ADCC Pilot Grant and is currently Co-PI on 2 NIH Program Project grants; has added 16 publications and 3 book chapters since joining the faculty
- **Dr. Gerard Schellenberg** – has 248 peer-reviewed publications, including 53 since arriving at Penn; currently has 9 grants, including NIH-funded Genome wide associate analysis of AD (~\$4.2 million) and NIH-funded AD Genetics Consortium (~\$3million)
- **Dr. Alice Chen-Plotkin** – has added 14 peer-reviewed publications since coming to Penn; has a K08 (NIH) Award and a Burroughs Wellcome Fund Career Award for Medical Scientists



# IOA-Assisted Faculty Recruits

## Cell and Developmental Biology:

- **Aaron D Gitler, PhD**, Assistant Professor of Cell and Developmental Biology
  - Protein misfolding in neurodegenerative diseases

## Biochemistry and Biophysics:

- **James Shorter, PhD**, Assistant Professor of Biochemistry and Biophysics
  - Amyloidogenesis and proteotoxicity in neurodegenerative diseases

## Neurology:

- **David A Wolk, MD**, Assistant Professor of Neurology
  - Alzheimer's disease and other neurodegenerative diseases

## Neurology:

- **Nabila Dahodwala, MD, MS**, Assistant Professor of Neurology
  - Health policy, health disparities, early identification of neurodegenerative diseases



# IOA-Assisted Faculty Recruits - contd.

## Psychiatry:

- **Steven Huege, MD**, Assistant Professor of Clinical Psychiatry
  - Alzheimer's disease and other dementias

## Neurology:

- **Roy Hamilton, MD, MS**, Instructor in Cognitive Neurology
  - Functional plasticity in the adult human brain in Alzheimer's disease

## Neurology:

- **Rachel Goldmann Gross, MD**, Assistant Professor of Neurology
  - Interface of Parkinson's disease and cognitive impairment



# IOA-Related Faculty Recruits

Penn Nursing Science:

- **Mary Ersek, PhD, RN, FAAN**  
**Associate Professor of Nursing**
  - Pain and palliative care in older adults
- **Pamela Z Cacchione, PhD, APRN, GNP, BC**  
**Associate Professor of Geropsychiatric Nursing -**  
**Clinician Educator**
  - Mental health and aging

Penn Social Policy and Practice:

- **Zvi D. Gellis, PhD, LMSW**  
**Associate Professor**
  - Mental health and aging



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