

# Thank You, Laura Gibbons!

Paul K. Crane, MD MPH  
For a very grateful ACT study

# Laura will be very missed!

- Many of us have relied on Laura's deep knowledge of both the ACT study and of design and analysis tools for a long time.
- Laura has been instrumental in many lines of research and has helped launch careers.

# TBI Research

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Neurodegeneration

RESEARCH PAPER

## Risk for late-life re-injury, dementia and death among individuals with traumatic brain injury: a population-based study

Kristen Dams-O'Connor,<sup>1</sup> Laura E Gibbons,<sup>2</sup> James D Bowen,<sup>3</sup> Susan M McCurry,<sup>4</sup>  
Eric B Larson,<sup>2,5</sup> Paul K Crane<sup>2</sup>

# TBI Research

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Neurodegeneration

Research

JAMA Neurology | **Original Investigation**

## Association of Traumatic Brain Injury With Late-Life Neurodegenerative Conditions and Neuropathologic Findings

Paul K. Crane, MD, MPH; Laura E. Gibbons, PhD; Kristen Dams-O'Connor, PhD; Emily Trittschuh, PhD; James B. Leverenz, MD; C. Dirk Keene, MD, PhD; Joshua Sonnen, MD; Thomas J. Montine, MD, PhD; David A. Bennett, MD; Sue Leurgans, PhD; Julie A. Schneider, MD, MS; Eric B. Larson, MD, MPH

# TBI Research

Journal of Alzheimer's Disease 93 (2023) 949–961  
DOI 10.3233/JAD-221224  
IOS Press

949

## Association of Traumatic Brain Injury with Late Life Neuropathological Outcomes in a Community-Based Cohort

Research

JAMA Neuro

Associ

Neuro

Paul K. Crane, M  
Joshua Sonnen,

Laura E. Gibbons<sup>a</sup>, Melinda C. Power<sup>b</sup>, Rod L. Walker<sup>c</sup>, Raj G. Kumar<sup>d</sup>, Alia Murphy<sup>b</sup>, Caitlin S. Latimer<sup>e</sup>, Amber L. Nolan<sup>e</sup>, Erica J. Melief<sup>e</sup>, Allison Beller<sup>e</sup>, Marika Bogdani<sup>e</sup>, C. Dirk Keene<sup>e</sup>, Eric B. Larson<sup>a</sup>, Paul K. Crane<sup>a</sup> and Kristen Dams-O'Connor<sup>d,\*</sup>

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<sup>b</sup>George Washington University Milken Institute School of Public Health, Washington, DC, USA

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Accepted 20 March 2023

Pre-press 28 April 2023

eration

c Findings

Dirk Keene, MD, PhD;  
Larson, MD, MPH

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Dirk Keene, MD, PhD;  
Larson, MD, MPH

You can say that I will be forever grateful to this brilliant, patient, kind, creative person whose unique ability to explain complicated ideas helped shape the way I think. It has been an honor to work and learn with Laura - from opposite coasts - for the past 12 years (!!!). It is a wonderful thing when a mentor becomes a colleague who becomes a friend.

Kristen Dams-O'Connor, Ph.D.  
Jack Nash Professor  
Vice Chair of Research  
Director, Brain Injury Research Center  
Department of Rehabilitation and Human Performance  
Department of Neurology  
Icahn School of Medicine at Mount Sinai  
New York, NY



# Hearing and presbycusis

ORIGINAL STUDY

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## Executive Dysfunction and Presbycusis in Older Persons With and Without Memory Loss and Dementia

*George A. Gates, MD,\* Laura E. Gibbons, PhD,† Susan M. McCusrry, PhD,‡  
Paul K. Crane, MD,† Martin Patrick Feeney, PhD,\* and Eric B. Larson, MD, MPH§*

*(Cogn Behav Neurol 2010;23:218–223)*



# Hearing and presbycusis

Research

Exec

JAMA Otolaryngology-Head & Neck Surgery | [Original Investigation](#)

## Association of Performance on Dichotic Auditory Tests With Risk for Incident Dementia and Alzheimer Dementia

Adeeb Mohammed; Laura E. Gibbons, PhD; George Gates, MD; Melissa L. Anderson, MS; Susan M. McCurry, PhD; Wayne McCormick, MD, MPH; James D. Bowen, MD; Thomas J. Grabowski, MD; Paul K. Crane, MD, MPH; Eric B. Larson, MD, MPH

*JAMA Otolaryngol Head Neck Surg.* doi:[10.1001/jamaoto.2021.2716](https://doi.org/10.1001/jamaoto.2021.2716)  
Published online October 14, 2021.

# Home study visit capacity



Alzheimer's & Dementia 12 (2016) 419-426

Alzheimer's  
&  
Dementia

Featured Article

## Importance of home study visit capacity in dementia studies

Paul K. Crane<sup>a,\*</sup>, Laura E. Gibbons<sup>a</sup>, Susan M. McCurry<sup>b</sup>, Wayne McCormick<sup>a</sup>, James D. Bowen<sup>c</sup>,  
Joshua Sonnen<sup>d</sup>, C. Dirk Keene<sup>e</sup>, Thomas Grabowski<sup>f</sup>, Thomas J. Montine<sup>e</sup>, Eric B. Larson<sup>g</sup>

<sup>a</sup>Department of Medicine, University of Washington, Seattle, WA, USA

<sup>b</sup>Department of Psychosocial & Community Health, University of Washington, Seattle, WA, USA

<sup>c</sup>Department of Neurology, Multiple Sclerosis Center, Swedish Neuroscience Institute, Seattle, WA, USA

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<sup>g</sup>Group Health Research Institute, Seattle, WA, USA

# Home study visit capacity



Alzheimer's & Dementia 13 (2017) 933-939

Alzheimer's  
&  
Dementia

Featured Article

## Impact of home visit capacity on genetic association studies of late-onset Alzheimer's disease

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Paul K. Crane  
Joshua Sor

David W. Fardo<sup>a</sup>, Laura E. Gibbons<sup>b</sup>, Shubhabrata Mukherjee<sup>b</sup>, M. Maria Glymour<sup>c</sup>,  
Wayne McCormick<sup>b</sup>, Susan M. McCurry<sup>d</sup>, James D. Bowen<sup>e</sup>, Eric B. Larson<sup>f</sup>, Paul K. Crane<sup>b,\*</sup>

<sup>a</sup>Department of Biostatistics and Sanders-Brown Center on Aging, University of Kentucky, Lexington, KY, USA

<sup>b</sup>Department of Medicine, University of Washington, Seattle, WA, USA

<sup>c</sup>Department of Epidemiology, University of California, San Francisco, San Francisco, CA, USA

<sup>d</sup>Department of Psychosocial and Community Health, University of Washington, Seattle, WA, USA

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# Home study visit capacity



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Alzheimer's  
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Featured Article

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Group Health Research Institute, Seattle, WA, USA

I first met Laura as part of the original EPAD GRF grant almost 10 years ago. We then worked on a paper on how research participant recruitment could affect genetic study results. My impressions of Laura were that she was obviously very kind and that she was a rigorous scientist who demanded that things be done "right"—no shortcuts. I believe we first met in person at the PYMCA workshop when it was colloquially known simply as "Friday Harbor" and still held in the San Juan islands. My first impressions proved semi-correct. Laura is much kinder than I'd previously appreciated. She's one of the people who you talk with for 30 minutes and feel like you've known them for 30 years. Laura, I wish you good health, safe travels, and much happiness in your next chapters. Dave Fardo

Research

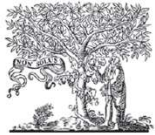
## Fardo Honored as 2022-23 University Research Professor

By Grace Colville July 22, 2022



David Fardo is a 2022-23 University Research Professor. Mark Cornelson | UK Photo.

# Ophthalmology



ELSEVIER

Alzheimer's & Dementia 15 (2019) 34–41

Alzheimer's  
&  
Dementia

Featured Article

## Associations between recent and established ophthalmic conditions and risk of Alzheimer's disease

Cecilia S. Lee<sup>a,\*</sup>, Eric B. Larson<sup>b,c</sup>, Laura E. Gibbons<sup>b</sup>, Aaron Y. Lee<sup>a</sup>, Susan M. McCurry<sup>d</sup>,  
James D. Bowen<sup>e</sup>, Wayne C. McCormick<sup>b</sup>, Paul K. Crane<sup>b</sup>

<sup>a</sup>Department of Ophthalmology, University of Washington, Seattle, WA, USA

<sup>b</sup>Department of Medicine, University of Washington, Seattle, WA, USA

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<sup>e</sup>Department of Neurology, Swedish Medical Center, Seattle, WA, USA

# Ophthalmology



ELSEVIER

Alzheimer's  
&

Research

JAMA Internal Medicine | [Original Investigation](#)

## Association Between Cataract Extraction and Development of Dementia

Cecilia S. Lee, MD, MS; Laura E. Gibbons, PhD; Aaron Y. Lee, MD, MSCI; Ryan T. Yanagihara, MD;  
Marian S. Blazes, MD; Michael L. Lee, PhD, MPH; Susan M. McCurry, PhD; James D. Bowen, MD;  
Wayne C. McCormick, MD, MPH; Paul K. Crane, MD, MPH; Eric B. Larson, MD, MPH

*Department of Neurology, Swedish Medical Center, Seattle, WA, USA*

Cecilia

# Ophthalmology

Journal of Alzheimer's Disease 81 (2021) 245–253  
DOI 10.3233/JAD-201492  
IOS Press

245



ELSEVIER

Research

JAMA

ASSOCIATION

Cecilia

Cecilia S.  
Marian S.  
Wayne C.

## Associations Between Retinal Artery/Vein Occlusions and Risk of Vascular Dementia

Cecilia S. Lee<sup>a,\*</sup>, Michael L. Lee<sup>b</sup>, Laura E. Gibbons<sup>b</sup>, Ryan T. Yanagihara<sup>a</sup>, Marian Blazes<sup>a</sup>, Jason P. Kam<sup>c</sup>, Susan M. McCurry<sup>d</sup>, James D. Bowen<sup>e</sup>, Wayne C. McCormick<sup>b</sup>, Aaron Y. Lee<sup>a</sup>, Eric B. Larson<sup>f,1</sup> and Paul K. Crane<sup>b,1</sup>

<sup>a</sup>*Department of Ophthalmology, University of Washington, Seattle, WA, USA*

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# Ophthalmology

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<sup>f</sup>Kaiser Permanente Washington Health Research Institute, Seattle, WA, USA

Laura has been what I call "my secret weapon". She is an amazing know it all lady where I can discuss an idea and she just makes it happen. She has been an amazing mentor and a friend. I am going to miss her so much.

She even stopped by our house and gave handmade jackets for my child's dinosaurs! I don't know how she does it all and also stays as an incredible, kind, smart lady.

Hands down the best!!!!

Love  
Cecilia



# Psychometrics and measurement

ORIGINAL ARTICLE

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## Differential Item Functioning Analysis With Ordinal Logistic Regression Techniques

*DIFdetect and difwithpar*

*Paul K. Crane, MD, MPH,\* Laura E. Gibbons, PhD,\* Lance Jolley, MS,† and Gerald van Belle, PhD‡*

# Psychometrics and measurement

ORIGINAL ARTICLE

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Qual Life Res (2007) 16:69–84  
DOI 10.1007/s11136-007-9185-5

---

Diffe

Paul

## **A comparison of three sets of criteria for determining the presence of differential item functioning using ordinal logistic regression**

**Paul K. Crane · Laura E. Gibbons · Katja Ocepek-Welikson ·  
Karon Cook · David Cella · Kaavya Narasimhalu ·  
Ron D. Hays · Jeanne A. Teresi**

# Psychometrics and measurement



**Journal of  
Clinical  
Epidemiology**

Journal of Clinical Epidemiology 61 (2008) 1018–1027

## Item response theory facilitated cocalibrating cognitive tests and reduced bias in estimated rates of decline

Paul K. Crane<sup>a,\*</sup>, Kaavya Narasimhalu<sup>a</sup>, Laura E. Gibbons<sup>a</sup>, Dan M. Mungas<sup>b</sup>,  
Sebastien Haneuse<sup>c</sup>, Eric B. Larson<sup>c</sup>, Lewis Kuller<sup>d</sup>, Kathleen Hall<sup>e</sup>, Gerald van Belle<sup>f</sup>

<sup>a</sup>Department of Medicine, University of Washington

<sup>b</sup>Department of Neurology, University of California at Davis

<sup>c</sup>Center for Health Studies, Group Health Cooperative

<sup>d</sup>Department of Epidemiology, University of Pittsburgh

<sup>e</sup>Department of Psychiatry, Indiana University – Purdue University in Indianapolis

<sup>f</sup>Departments of Biostatistics and Environmental and Occupational Health Sciences, University of Washington

Accepted 18 November 2007

Qual Life Res (2008) 17:1018–1027  
DOI 10.1007/s11136-007-9111-1

Differences

Paul K. Crane

**A comparison  
of different  
methods**

**Paul K. Crane  
Karon Cook  
Ron D. Hays**

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Accepted 18 November 2007

Diffe

Qual Life Res (C)  
DOI 10.1007/s11136-008-9111-1

Paul K.

**A comparison  
of different**

**Paul K. Crane  
Karon Cook  
Ron D. Hays**

I am so grateful to have had the opportunity to work with you and learn with you and from you.

Thank you for your patience, your careful and thoughtful critique, and your insistence on quality.

Could not have done this without you – I'm so very lucky!

Paul K. Crane, MD MPH  
Professor, Department of Medicine  
University of Washington



# Generalizability

Sent: Friday, April 19, 2024 6:48 AM

To: Laura Gibbons <gibbonsl@uw.edu>

Subject: Your submission to JAD - JAD-240247

Ref: Ms. No. JAD-240247

How generalizable are findings from a community-based prospective cohort study? Extending estimates from the Adult Changes in Thought study to its source population Journal of Alzheimer's Disease

Dear Dr. Gibbons,

I am pleased to inform you that your manuscript is acceptable for publication in the Journal of Alzheimer's Disease pending minor revision.



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