



# Program

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This book is an overview of the APS Convention. It is a companion to the mobile app ("2014 APS Convention") and online program, where you will find the full details of each presentation, including posters and abstracts.

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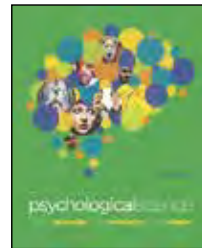


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**JUNE 2014**

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# APS Convention

"2014 APS Convention"

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Saturday, May 24 | 8:00 AM - 9:00 AM | Union Square 21



Eich



Adolphs



Mendes



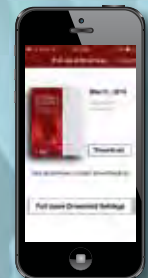
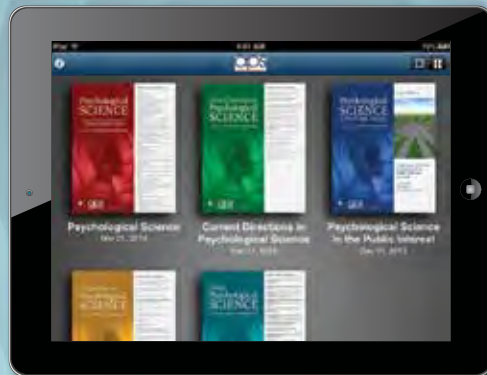
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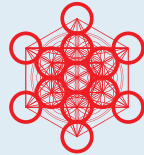


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# 26<sup>TH</sup> ANNUAL CONVENTION

## SAN FRANCISCO, CA, USA | MAY 22-25, 2014

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*The 26th APS Annual Convention features four cross-cutting theme programs addressing key topics in psychological science. Each program includes a variety of presentations by distinguished speakers.*

#### **The Psychology of Violence** 47

Violence is one of the most inexplicable mysteries of modern human behavior. What has psychology learned over the past decades in the etiology of violent behavior, predictors of who will harm others or themselves, and what can evolutionary approaches teach us about our violent ancestral past and the potential for change?

#### **Presidential Cross-Cutting Theme Program Science and Technology** 54

Psychological research and the technology industry mutually inform and influence each other, but rarely do these two worlds meet to engage in open dialogue. This cross-cutting theme program features scientists and industry leaders organized around three subthemes: behavioral genetics, mobile sensing, and social networks. We pose the questions, how can scientists take advantage of rapid technological advances, and how can technology harness what social scientists know about human behavior?

#### **Big Data: Understanding Patterns of Human Behavior** 75

With rapid advances in technology how can psychological science exploit the mountains of information stemming from technology, and what can psychological science teach those developing the technology to optimize the human experience? In this wide-ranging program speakers will describe how they have harnessed technological advances to understand human behavior, and what the promises and pitfalls may be.

#### **Changing Neurobiology With Behavior** 82

Psychological science often starts with the premise that our neurobiological milieu shapes and influences our behavioral responses. This cross-cutting theme program reverses those causal arrows to explore how behavior—from life experiences to cognitive training to mindfulness attention—can modify underlying biological structure, thus highlighting the bidirectional nature of experiences and biology.

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Thank you for your leadership and  
commitment to psychological science.



**Elizabeth A. Phelps**  
APS President

---

## Presidential Symposium

**Stress: Mechanisms and Consequences**

**Kafui Dzirasa**  
*Duke University*

**Dominique de Quervain**  
*University of Basel, Switzerland*

**Elissa S. Epel**  
*University of California, San Francisco*

**W. Thomas Boyce**  
*University of California, San Francisco*

Friday, May 23

6:00 PM – 7:30 PM

Continental Ballroom 4-6





# 26<sup>TH</sup> ANNUAL CONVENTION

## SAN FRANCISCO, CA, USA | MAY 22-25, 2014

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**Richard C. Atkinson**, *University of California, San Diego*  
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# APS BOARD OF DIRECTORS



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*APS notes with great sadness the passing  
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scholarship fund has been established in  
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**Alan G. Kraut**  
*Association for Psychological  
Science*

# FROM THE APS PRESIDENT

On behalf of the APS Board of Directors, it is my pleasure to welcome you to the 26<sup>th</sup> Annual Convention of the Association for Psychological Science.

Over the next several days we'll experience a collection of excellent programs that showcase the very best of our science and bring us together for opportunities to connect with friends and meet new colleagues and potential collaborators. This event would not be possible without the dedicated efforts of the Program Committee led by Wendy Berry Mendes. Please join me in thanking her and the other members of the Committee: Ozlem Ayduk, Reeshad S. Dalal, Pamela Davis-Kean, Preston Garraghty, Jeffrey Holmes, Rogier Kievit, Thomas M. Olino, Thomas F. Oltmanns, Valerie Purdie-Vaughns, and Eric-Jan Wagenmakers. It is with deep sadness that I note the recent passing of Varda Shoham, who was a member of this year's Program Committee as well as an APS Board Member. Varda was a leader in clinical psychological science and a strong advocate for a new accreditation system for the training of clinical scientists. Varda will be greatly missed. A scholarship fund has been established in her honor, and you can make a contribution at [www.psychologicalscience.org/vsfund/contribute.cfm](http://www.psychologicalscience.org/vsfund/contribute.cfm).



**Elizabeth A. Phelps**

Since its founding in 1988, APS has established an unparalleled record of accomplishments in advancing our science. APS journals are widely recognized as among the most important in the field and are on the cutting edge of science, leading the field in efforts to promote research integrity and replicability. On January 1, *Psychological Science* launched a new suite of initiatives aimed at strengthening research practices, improving replicability, and promoting transparency. The changes include removing strict word limits on certain sections of articles; adding a disclosure statement to the submission process, in which authors must confirm they have covered relevant details about exclusions, manipulations, measures and sample size; offering Open Practices badges to encourage authors to publicly share data and materials and to preregister research plans; and encouraging authors to embrace the “new statistics.” You can learn more about these changes to *Psychological Science* at a coffee with PS Editor Eric Eich here at the convention on Saturday morning.

Last year, *Perspectives on Psychological Science*, launched a new effort – Registered Replication Reports – aimed at supporting the replication of research studies. The first project includes 30 labs from seven countries. The results – whether successful replications or not – will be published in *Perspectives* later this year. A second project is underway, and more proposals are in the pipeline. Thanks to a grant from the Center for Open Science, APS can provide financial support to qualified labs participating in Registered Replication projects. *Perspectives* editor Barbara Spellman will chair a symposium on the “Replication Revolution” on Saturday.

Last year APS announced a major new initiative, the inaugural International Convention of Psychological Science (ICPS), to promote international cooperation and showcase integrative advances in psychological science. ICPS has a unique structure that pairs thematic programs with workshops that teach the cutting-edge research methods that yielded the research results presented. This innovative conference is the first-of-its-kind opportunity for the global psychological science community to examine our most pressing scientific questions, led by the most prestigious researchers in not only psychological science but also neuroscience, genetics, sociology, anthropology, linguistics, economics, and related fields. You can see a list of ICPS speakers and learn more at [www.icps-2015.org](http://www.icps-2015.org).

The reach of psychological science just keeps expanding. In the last year, APS has surpassed 30,000 followers on both Facebook and Twitter, and news about research from APS journals has become a popular feature on Reddit – a social news and content sharing site – bringing more than 500,000 visitors to the APS website each month. Wray Herbert's blog “We're Only Human” is a popular staple on Huffington Post. In addition, we've launched a new blog – Minds for Business that is now regularly covered in such prominent outlets as the *Wall Street Journal* and *Inc.* All of this means that thanks to efforts by APS, findings from psychological science are reaching new and expanding audiences.

This is just a snapshot of some of the exciting developments in our field that are directly attributable to the support of APS Members, who number more than 26,000 from 93 countries. I'd also like to take this opportunity to thank the incomparable APS staff. As you participate in this convention over the next several days, you'll be experiencing one of the most impressive collections of programs in the field of psychological science. It's an event only APS could assemble.

Enjoy this wonderful meeting!

A handwritten signature in black ink that reads "E.A. Phelps".

**Elizabeth A. Phelps**  
President

# APS PROGRAM COMMITTEE

---



Committee Chair  
**Wendy Berry  
Mendes**

*University of California,  
San Francisco*



**Ozlem Ayduk**

*University of California,  
Berkeley*



**Reeshad S. Dalal**

*George Mason University*



**Pamela E. Davis-  
Kean**

*University of Michigan*



**Preston Garraghty**

*Indiana University*



**Jeffrey Holmes**

*Ithaca College*



**Rogier A. Kievit**

*MRC Cognition and Brain Science  
Unit, United Kingdom*



**Thomas F.  
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*Washington University in  
St. Louis*



**Valerie Purdie-  
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*Columbia University*



**Varda Shoham**

*National Institute of Mental Health*

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name: [www.psychologicalscience.org/vsfund/  
contribute.cfm](http://www.psychologicalscience.org/vsfund/contribute.cfm)*



**Eric-Jan  
Wagenmakers**

*University of Amsterdam,  
The Netherlands*



**Thomas M. Olin**

*Temple University*

# CONCEPTUAL AND LITERAL BRIDGES

San Francisco is the ideal setting for the 26th Annual APS Convention. It is a city celebrated for its bridges—the iconic Golden Gate Bridge and the newly renovated Bay Bridge. As such, the city itself serves as the perfect metaphor for this year’s convention program, which bridges ideas inside and outside of psychological science.

These intellectual bridges are evident throughout the program. The cross-cutting theme programs invite psychological scientists from different areas to share their perspectives on specific topics—topics that include the Psychology of Violence, Big Data, and Neurobiology and Behavior. A fourth cross-cutting program, Science and Technology, goes one step further and takes advantage of the bay area location as the global epicenter of technological innovation. This cross-cutting program brings together scientists and industry leaders to discuss and explore advances that bridge psychological science and technology.

The Convention will kick-off Thursday evening with the Fred Kavli Keynote Address, delivered by the incomparable Mahzarin Banaji, who will illuminate the obstacles to building mental bridges between “us” and “them” in her talk on sensitivity to status in social hierarchies. Friday evening will feature the Presidential Symposium, Stress: Mechanisms and Consequences, which aims to build theoretical and empirical bridges connecting biology and clinical psychology (Epel), psychiatry and engineering (Dzirasa), pediatrics and neuroendocrinology (Boyce), and neuroscience and genetics (de Quervain). Saturday evening’s Bring the Family Address welcomes Henry L. (Roddy) Roediger, III and memory athlete Nelson Dellis to demonstrate incredible feats of memory and the underlying science.

No APS convention would be complete without an Inside the Psychologist’s Studio, and this year we are excited to welcome three psychological scientists in the hot seat: Annette Karmiloff-Smith interviewed by BJ Casey, Paul Ekman interviewed by Bob Levenson, and Claude Steele interviewed by Elizabeth Phelps. These luminaries will be asked about their career trajectories, their “hits” and “misses,” their predictions for the future of psychological science, and maybe even what Claude is planning for his next career transition to Provost at UC Berkeley.

With such a full and rich schedule of psychological science, it would be easy to miss all that the city of San Francisco has to offer. But that would be a mistake. I strongly urge you to take advantage of the breaks in your schedule to take in the Saturday morning farmer’s market at the Ferry Building, to catch a San Francisco Giants home game at picturesque AT&T Park, and to visit the newly re-located San Francisco Exploratorium at Pier 15. At the Exploratorium you will be delighted to discover many exhibits on psychological science featuring work by APS members, including Elizabeth Loftus, Aude Olivia, Mahzarin Banaji, Paul Ekman, Paul Rozin, and Sam Gosling, to name a few.

Of course, no trip to San Francisco would be complete without exploring the incredible food. In the interest of space (and because I don’t want to wait any longer for a reservation than I already must), I won’t tell you all my favorite restaurants. But some spectacular highlights are Burma Superstar (best Burmese food outside of Yangon), Flour + Water (no pasta will ever be good enough after eating here), Greens (carnivores won’t realize it is a strictly vegetarian menu), and State Bird Provisions (in case you have ever wondered what exactly is California cuisine).

A convention that represents the diverse perspectives of APS members and the field more broadly takes a small army of volunteer academics and staff to put together. The program committee this year was creative and tireless in developing a program which we hope all attendees will find informative and inspiring. The program committee includes Ozlem Ayduk, Reeshad S. Dalal, Preston Garraghty, Jeffrey Holmes, Pamela Davis-Kean, Rogier Kievit, Thomas F. Oltmanns, Valerie Purdie-Vaughns, Varda Shoham, and Eric-Jan Wagenmakers. I thank all of them for their hard work and commitment to APS. Although the program committee gets credit for the intellectual shaping of the program, the convention simply wouldn’t happen if not for the incredible dedication by the APS staff who makes the convention a reality. APS convention staff includes Alison Wolock, Yasmine Kuttab, Brian Weaver, Allison Cupps Hallberg, and, most critically, Nathalie Rothert who makes it all look easy.

I hope you enjoy the many bridges that you will cross during your APS convention experience, including those that offer scientific insights and those that light up the bay at night.



**Wendy Berry Mendes**

A handwritten signature in black ink, appearing to read 'Wendy Berry Mendes'.

**Wendy Berry Mendes**  
Chair, 2014 Convention Program Committee

# APS PRESIDENTS 1988 - 2015

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**Charles Kiesler**  
1988



**Janet Taylor Spence**  
1988-1989



**James L. McGaugh**  
1989-1991



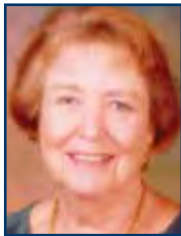
**Gordon Bower**  
1991-1993



**Marilynn B. Brewer**  
1993-1995



**Richard Thompson**  
1995-1996



**Sandra Scarr**  
1996-1997



**Kay Deaux**  
1997-1998



**Elizabeth F. Loftus**  
1998-1999



**Elizabeth D.  
(Capaldi) Phillips**  
1999-2000



**Robert A. Bjork**  
2000-2001



**John M.  
Darley**  
2001-2002



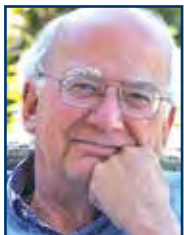
**Susan T. Fiske**  
2002-2003



**Henry L.  
Roediger, III**  
2003-2004



**Robert W.  
Levenson**  
2004-2005



**Michael S.  
Gazzaniga**  
2005-2006



**Morton Ann  
Gernsbacher**  
2006-2007



**John T. Cacioppo**  
2007-2008



**Walter Mischel**  
2008-2009



**Linda M. Bartoshuk**  
2009-2010



**Mahzarin R. Banaji**  
2010-2011



**Douglas L. Medin**  
2011-2012



**Joseph E. Steinmetz**  
2012-2013



**Elizabeth A. Phelps**  
2013-2014



**Nancy Eisenberg**  
2014-2015

Office of the Mayor  
City & County of San Francisco



Edwin M. Lee



## GREETINGS FROM THE MAYOR OF SAN FRANCISCO

On behalf of the City and County of San Francisco, it is with great pleasure that I welcome you to the Association for Psychological Science (APS) 26<sup>th</sup> Annual Convention, being held on May 22-25, 2014 in San Francisco. Once again the APS is bringing together psychological scientists to discuss innovative practices of the field that will contribute to and enhance the quality of life of others.

Established in 1988, the Association for Psychological Science (APS) is an organization that is dedicated to the promotion, protection and advancement of psychological science at the national and international levels. APS has a comprehensive membership that includes the leading psychological scientists and academicians, researchers, teachers and administrators.

I am proud to be the Mayor of a City known as the Innovation Capital of the World. San Francisco is a place that continues to focus on improving the quality of life for all citizens through advancements in medicine, technology and research. I applaud the hard work and commitment of all those individuals who have made the 26<sup>th</sup> Annual Convention possible. I commend the many whose tireless efforts continue to make the tremendous work of the Association for Psychological Science a true success, and San Francisco looks forward to hosting the great work of APS for years to come. Best wishes for a productive and fruitful convention.

With warmest regards,

A handwritten signature of Edwin M. Lee in black ink.

Edwin M. Lee  
Mayor

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## Meet the Legends

Get your piece of history. These champions of psychological science are signing their books at the APS Annual Convention.



### Mahzarin R. Banaji

#### **Blindspot: Hidden Biases of Good People**

*Mahzarin R. Banaji will sign copies of her book immediately following her Keynote Address on Thursday, May 22 at 8:10 PM.*



### Henry L. Roediger, III

#### **Make It Stick: The Science of Successful Learning**

*Henry L. Roediger, III, and co-author Peter C. Brown will sign copies of their book, immediately following the Bring the Family Address on Saturday, May 24 at 7:00 PM.*



### Claude M. Steele

#### **Whistling Vivaldi: And Other Clues to How Stereotypes Affect Us**

*Claude M. Steele will sign copies of his book immediately following his Inside the Psychologist's Studio interview on Friday, May 23 at 10:55 AM.*



### Geoff Cumming

#### **Understanding The New Statistics: Effect Sizes, Confidence Intervals, and Meta-Analysis**

*Geoff Cumming will sign copies of his book immediately following this workshop on Thursday, May 22 at 4:00 PM.*



### Dacher Keltner

#### **Understanding Emotions**

*Dacher Keltner will sign copies of his book immediately following his Psi Chi Distinguished Speaker Address on Friday, May 23 at 5:25 PM.*



### Adrian Raine

#### **The Anatomy of Violence: The Biological Roots of Crime**

*Adrian Raine will sign copies of his book immediately following The Psychology of Violence Theme Program on Friday, May 23 at 11:50 AM.*



### Christopher F. Chabris

#### **The Invisible Gorilla: How Our Intuitions Deceive Us**

*Christopher F. Chabris will sign copies of his book immediately following this workshop on Thursday, May 22 at 2:25 PM.*



### Robert A. Burton

#### **A Skeptic's Guide to the Mind: What Neuroscience Can and Cannot Tell Us About Ourselves**

*Robert A. Burton will sign copies of his book immediately following his Society for the Teaching of Psychology Talk on Saturday, May 24 at 10:55 AM.*



# GENERAL INFORMATION

## Registration

Registration for the 26<sup>th</sup> APS Annual Convention includes all educational sessions (unless otherwise noted); poster sessions; Opening Ceremony, Keynote Address, and Opening Reception (Thursday); Presidential Symposium and Friday Night Reception; Bring the Family Address and Saturday Night Reception; and coffee breaks. Separate registration is required for the 21<sup>st</sup> Annual APS-STP Teaching Institute.

### Location and Hours

The APS Registration Desk is located on the Ballroom Level, next to Yosemite A & B in the Hilton San Francisco Union Square. Registration hours are:

<b>Wednesday, May 21</b>	<b>4:00 PM - 8:00 PM</b>
<b>Thursday, May 22</b>	<b>7:00 AM - 9:00 PM</b>
<b>Friday, May 23</b>	<b>7:00 AM - 6:00 PM</b>
<b>Saturday, May 24</b>	<b>7:00 AM - 6:00 PM</b>
<b>Sunday, May 25</b>	<b>7:00 AM - 2:00 PM</b>

### Fees

Registration fees are based on the APS membership categories listed below. APS membership must be current to receive the APS Member or Student Affiliate rate:

**APS Member:** Convention: \$349, Teaching Institute: \$270,  
Both: \$460

**APS Student Affiliate:** Convention: \$230,  
Teaching Institute: \$185, Both: \$255

**Non-Member:** Convention: \$600, Teaching Institute: \$280,  
Both: \$775

## 21<sup>st</sup> Annual APS-STP Teaching Institute

The Teaching Institute is sponsored by the Association for Psychological Science and the Society for the Teaching of Psychology. The day-long pre-convention program offers informative talks and practical advice from experts on the teaching of psychology. See page 103 for schedule.

### Poster Sessions

Please see the APS website ([www.psychologicalscience.org/convention](http://www.psychologicalscience.org/convention)) or the “2014 APS Convention” mobile app for times and locations of poster sessions. Posters may be stored at the poster check station located outside of the APS Exhibit Hall - Grand Ballroom at the Hilton San Francisco Union Square.

### Poster Check

APS is pleased to provide a poster check for attendees. The Poster Check is located on the Grand Ballroom Level in the San Francisco Hilton Union Square, outside of the APS Exhibit Hall. Poster Check Hours:

<b>Friday, May 23</b>	<b>8:00 AM - 5:30 PM</b>
<b>Saturday, May 24</b>	<b>8:00 AM - 5:30 PM</b>
<b>Sunday, May 25</b>	<b>8:00 AM - 2:00 PM</b>

### Name Badges

APS requires name badges for admission to all meeting rooms, the Exhibit Hall, and social events. Non-transferable name badges will only be issued to persons who have registered for the 26<sup>th</sup> APS Annual Convention.

### Convention Program

Attendees receive one APS Program book. The program is available online at [www.psychologicalscience.org/convention](http://www.psychologicalscience.org/convention). The “2014 APS Convention” mobile app also includes the full program and list of posters.

### Subject Areas

For your convenience, the broad subject area of each program is noted at the end of each presentation and poster.

## Workshops

Workshops are open to APS Convention and Teaching Institute registrants only. Separate registration is required for all workshops. Except where noted, there is a modest fee for workshop registration (students: \$35; all others: \$60). You can register at the APS Registration Desk on the Ballroom Level, next to Yosemite A & B in the Hilton San Francisco Union Square. Refer to page 23 for more information on workshops.

## Continuing Education Credits

Continuing education for psychologists is sponsored by the Psychology Department at the Wilford Hall Ambulatory Surgical Center (WHASC). The Psychology Department at WHASC is approved by the American Psychological Association to sponsor continuing education for psychologists. WHASC maintains responsibility for this program and its content. Point of contact for the CE Program is Howard Garb. He can be reached at [howard.garb@us.af.mil](mailto:howard.garb@us.af.mil), or (210) 671-4084.

## Program Kiosks

Electronic Convention program kiosks are located throughout the hotel and available for your use. As a courtesy to your colleagues, please limit the time you spend at a program kiosk if others are waiting.

## Exhibit Hall

Attendees are encouraged to visit the APS Exhibit Hall located in the Grand Ballroom in the Hilton San Francisco Union Square. The Exhibit Hall will be open during poster sessions at the 26<sup>th</sup> APS Annual Convention. Exhibit Hall hours are:

<b>Thursday, May 22</b>	<b>8:00 PM - 9:30 PM</b>
<b>Friday, May 23</b>	<b>8:30 AM - 5:00 PM</b>
<b>Saturday, May 24</b>	<b>8:30 AM - 5:00 PM</b>
<b>Sunday, May 25</b>	<b>8:30 AM - 2:00 PM</b>

For more information about exhibits and exhibitors, see the Exhibits section on page 97.

# EVENTS AREA

## APS EXHIBIT HALL - GRAND BALLROOM

### Thursday, May 22

8:10 PM - 8:45 PM



*Meet the Legend*  
**Mahzarin R. Banaji Book Signing**  
*Blindspot: Hidden Biases of Good People*

### Friday, May 23


10:00 AM - 10:30 AM

*Meet the Exhibitor*  
**JMP/SAS**

11:30 AM - 12:30 PM

*Encore!*  
**Mahzarin R. Banaji's**  
**Fred Kavli Keynote Address**

1:00 PM - 2:00 PM

*World Premiere!*  
  
**An Interview With Albert Bandura**

2:30 PM - 3:30 PM

**Funding Opportunities Through the  
Institute of Education Sciences**

## Program Kiosks

For full program details, including abstract and posters, visit the program kiosks.



Electronic Convention program kiosks are located by the APS Registration Desk, Exhibit Hall, and Golden Gate meeting area.

## Poster Check



**Storage for your poster while attending the APS Convention.**

Located on the Grand Ballroom Level of the San Francisco Hilton Union Square, outside of the APS Exhibit Hall.

Friday, May 23 – 8:00 AM - 5:30 PM  
Saturday, May 24 – 8:00 AM - 5:30 PM  
Sunday, May 25 – 8:00 AM - 2:00 PM

### Saturday, May 24

9:00 AM - 10:20 AM

**APS Student Caucus**  
**RISE Award Addresses**

11:00 AM - 12:20 PM

**APS Student Caucus**  
**Student Research Award Addresses**

1:00 PM - 1:30 PM

**National Institutes of Health**  
**Big Data to Knowledge (BD2K) Initiative:**  
**Opportunities for Psychological Science**

1:30 PM - 2:00 PM

*Meet the Exhibitor*  
**JMP/SAS**

2:30 PM - 3:30 PM

**APS Student Caucus**  
**Student Award Posters**  
(Presented during Poster Session XII)

4:00 PM - 4:30 PM

*Meet the Exhibitor*  
**JMP/SAS**

### Sunday, May 25

8:30 AM - 10:00 AM



*Encore!*  
**Presidential Symposium**  
**Elizabeth A. Phelps (Chair)**  
*Featuring Kafui Dzirasa,*  
*Dominique de Quervain, Elissa S. Epel,*  
*and W. Thomas Boyce,*

10:00 AM - 11:00 AM

*World Premiere!*  


**An Interview With Eleanor E. Maccoby**

11:30 AM - 12:30 PM



*Encore!*  
**Henry L. Roediger, III's**  
**Bring the Family Address**



### APS Convention Mobile App

With the free “2014 APS Convention” app you can search the full APS Convention program and poster schedule to create a custom schedule for a personalized meeting experience. Search the program by day, keyword, and speaker name to build your itinerary. The mobile app is available for iPhone, iPad, and Android devices. If you don’t have one of those “smart” devices, a web version is available at: <http://ativ.me/4m3>.

### ADA Accessibility/Accommodations

APS is committed to ensuring that the Convention is fully accessible to all persons. If you have a specific dietary or accessibility requirement, please contact Yasmine Kuttub at the APS Registration Desk and every effort will be made to accommodate your request. The Hilton San Francisco Union Square is fully equipped to accommodate special needs. Please identify your requirements to a Hilton agent at the hotel registration desk.

### Hotel

All program activities for the 26th APS Annual Convention will take place at the Hilton San Francisco Union Square (333 O’Farrell Street, San Francisco, CA, 94102, USA; +1 415.771.1400; [www.hiltonsanfranciscohotel.com](http://www.hiltonsanfranciscohotel.com)). Maps of the Hilton San Francisco Union Square can be found at the back of this program.

### Internet Access

APS is pleased to provide meeting attendees with complimentary wireless Internet access throughout the meeting space and lobby of the Hilton San Francisco Union Square. To connect, select the “aps convention” network then open your browser to verify that you are connected to the Internet.

### Concierge

The Hilton San Francisco Union Square staff will gladly assist with show tickets, restaurant reservations, city tours, and general information about San, Francisco, CA. Assistance is available at the Concierge Desk in the Lobby during hours of operation.

### Photography and Video Release

As part of your registration for the 26th APS Annual Convention, APS reserves the right to use professional photographs and video taken during the Convention for future marketing purposes.

### Smoking Policy

The hotel offers one isolated smoking floor. All public space, and restaurants are non-smoking.

## NYUSteinhardt

Steinhardt School of Culture, Education, and Human Development



## The Department of Applied Psychology

### Our Faculty

J. Lawrence Aber  
Alisha Ali  
LaRue Allen  
Judith L. Alpert  
Joshua Aronson  
Jennifer Astuto  
Rizarta Bilali

Clancy Blair  
Mary Brabeck  
Elise Cappella  
Iris E. Fodor  
Carol Gilligan  
Erin Godfrey  
Arnold H. Grossman  
Perry N. Halkitis

Diane Hughes  
Shabnam Javdani  
Samuel Juni  
Robert J. Landy  
Jacqueline Mattis  
Sandee McClowry  
Mary McRae  
Gigliana Melzi

Ronald J. Moglia  
Pamela Morris  
Randolph Mowry  
Sumie Okazaki  
C. Cybele Raver  
Mary Sue Richardson  
Edward Seidman  
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# 26<sup>TH</sup> ANNUAL CONVENTION



## Fred Kavli Keynote Address

**Group Love: How the Mind Creates "Us" and "Them"**

**Mahzarin R. Banaji**

*Harvard University*

Thursday, May 22  
6:00 PM - 8:00 PM  
Continental Ballroom 4-6

From the moment of birth, every human is a member of many groups. By the opportunities and liberties offered or snatched away, group memberships shape lives ubiquitously and enduringly. Group memberships create affiliations of "us" and "them" and sensitivity to status in social hierarchies. Human minds reflect these in myriad attitudes and beliefs, which contain deep knowledge about the hidden presence of group love, its surprising absence, and its opposite. Unveiling them, through a diversity of methods now available to experimental psychology, allows understanding the natural and cultivated ways in which group love is elusively tuned up and down.



## Bring the Family Address

**Make It Stick: How Memory Athletes Perform and How Their Techniques Can Help You**

**Henry L. Roediger, III**

*Washington University in St. Louis*



*with Memory Athlete Nelson Dellis, Climb for Memory*

Saturday, May 24  
6:00 PM - 7:00 PM  
Continental Ballroom 4-6

How can a person memorize a deck of cards in under 22 seconds? Or remember 364 digits in order after hearing them once (the classic digit span task)? Or memorize 300 random words in order in 15 minutes? This presentation will come in two parts. Roddy Roediger will speak on how psychologists have approached the topic of mnemonic techniques and present examples of how they are misunderstood and underutilized. He will also discuss results from his collaborative studies of memory athletes both on memory tasks and on other cognitive tasks requiring focused attention. Nelson Dellis, the 2012 U.S. Memory Champion, will discuss his person-action-object system for memorizing and will demonstrate how it works. He will provide insight into the world of memory athletes and their remarkable performances that produced the records cited above.

## Special Events

### Coffee with Psychological Science

Start your Saturday with a cup of hot science.



Meet Editor Eric Eich and members of the *Psychological Science* editorial team to learn about the journal's latest initiatives at this relaxed and informal discussion.

Saturday, May 24  
8:00 AM - 9:00 AM  
Union Square 21

### Psi Chi Distinguished Speaker

Toward a Science of Awe



**Dacher Keltner**  
*University of California, Berkeley*

Friday, May 23  
4:30 PM - 5:20 PM  
Continental Ballroom 7-9

### Psi Beta Carol Tracy Distinguished Lecture

Why Do Psychologists Conduct Research Like Scientists but Teach Like Dummies?



**Stephen L. Chew**  
*Samford University*

Friday, May 23  
2:30 PM - 3:20 PM  
Union Square 20

# SAN FRANCISCO, CA, USA | MAY 22-25, 2014



## Presidential Symposium Stress: Mechanisms and Consequences

**Elizabeth A. Phelps** (Chair)

*New York University*

Friday, May 23  
6:00 PM - 7:30 PM  
Continental Ballroom 4-6

Everyday life is full of frustrations and demands that lead to stress. Stress results in a host of neurohormonal changes that can both enhance and impair adaptive function. This symposium explores the mechanisms and consequences of stress from a range of perspectives -- including neurobiological changes, health consequences, investigations of learning and memory, and interactions with development.



## Neural Circuits: The Next Generation of Neuropsychiatric Diagnostics and Therapeutics

**Kafui Dzirasa**  
*Duke University*



## Stress, Genes, and Memory: From Basic Mechanisms to Clinical Implications

**Dominique de Quervain**  
*University of Basel, Switzerland*



## Chronic Stress and Cellular Aging: Uncomfortable Intimacy

**Elissa S. Epel**  
*University of California, San Francisco*



## Stress in Children and the Biology of Misfortune

**W. Thomas Boyce**  
*University of California, San Francisco*

## Award Addresses

### APS William James Fellows



Unraveling Emotional Mysteries: Insights From Studies of Couples, Cultures, Aging, and Patients

**Robert W. Levenson**  
*University of California, Berkeley*



Resolving the Nativist-Empiricist Debate: A Neoconstructivist Approach to Cognitive Development

**Nora S. Newcombe**  
*Temple University*



How Do Writing Systems, Culture, and Age Influence How We Read?

**Keith Rayner**  
*University of California, San Diego*



Individual Variation in Resisting Temptation: Implications for Addiction

**Terry E. Robinson**  
*University of Michigan*

Friday, May 23  
9:00 AM - 9:50 AM  
Continental Ballroom 5-6

Friday, May 23  
10:00 AM - 10:50 AM  
Continental Ballroom 5-6

Friday, May 23  
1:00 PM - 1:50 PM  
Continental Ballroom 5-6

Friday, May 23  
2:00 PM - 2:50 PM  
Continental Ballroom 5-6

### APS James McKean Cattell Fellows



Maladaptation and Resilience in Maltreated Children: A Multiple Levels of Analysis Perspective

**Dante Cicchetti**  
*University of Minnesota*



Measurement in a Complex World: The Case of Noncognitive Assessments in College Admissions

**Neal Schmitt**  
*Michigan State University*

Friday, May 23  
11:00 AM - 11:50 AM  
Continental Ballroom 5-6

Friday, May 23  
12:00 PM - 12:50 PM  
Continental Ballroom 5-6

### SSCP Distinguished Scientist Award Address



Psychosocial and Computer-Assisted Treatments for Anxiety in Youth

**Philip C. Kendall**  
*Temple University*

Friday, May 23  
3:00 PM - 3:50 PM  
Golden Gate 6-7

# APS Blogs



## We're Only Human

*a blog by Wray Herbert*

**Incisive reflections on behavioral research, from  
award-winning journalist Wray Herbert**

[www.psychologicalscience.org/human](http://www.psychologicalscience.org/human)

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## Minds for Business

**Practical science for leaders, managers, and entrepreneurs**

[www.psychologicalscience.org/news](http://www.psychologicalscience.org/news)

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## Observations

**Compelling new findings and developments in psychological science**

[www.psychologicalscience.org/observations](http://www.psychologicalscience.org/observations)



[Twitter.com/PsychScience](https://twitter.com/PsychScience)

**#aps14sf**



[Facebook.com/PsychologicalScience](https://facebook.com/PsychologicalScience)



[Instagram.com/PsychScience](https://instagram.com/PsychScience)



[Youtube.com/PsychologicalScience](https://youtube.com/PsychologicalScience)

[www.psychologicalscience.org](http://www.psychologicalscience.org)

# WORKSHOPS

Separate registration is required for Workshops, and is open to Convention and/or Teaching Institute registrants only. Except where noted, there is a modest fee for workshop registration (students: \$35; all others: \$60). Register for workshops at the APS Registration Desk on the Ballroom Level, next to Yosemite A & B.

Thursday, May 22

9:00 AM - 11:50 AM

Mason Room A-B



## Open Science Framework: Tools for Your Workflow\*

**Brian A. Nosek**, *University of Virginia and Center for Open Science*

**Andrew Sallans**, *Center for Open Science*

Thursday, May 22

9:00 AM - 12:50 PM

Continental Ballroom 8-9

## Advances in Latent Variable Modeling Using Mplus\*

**Bengt O. Muthén**, *University of California, Los Angeles*

Thursday, May 22

9:00 AM - 12:50 PM

Golden Gate 3

## Advanced Structural Equation Modeling With OpenMx\*

**Steven M. Boker**, *University of Virginia*

Thursday, May 22

11:30 AM - 3:50 PM

Imperial Ballroom A

## The New Statistics: Estimation and Research Integrity\*

**Geoff Cumming**, *La Trobe University, Australia*

*Be a part of a live studio audience! This workshop will be filmed and made available online after the Convention. Seating will be 11:30 AM-12:00 PM. Doors will close at 12:00 PM.*

Geoff Cumming will sign copies of his book, *Understanding The New Statistics: Effect Sizes, Confidence Intervals, and Meta-Analysis*, immediately following his workshop.

Thursday, May 22

12:30 PM - 2:20 PM

Powell Room A-B

## Giving Psychological Science Away: Writing for the Public Rather Than for Your Colleagues

**Christopher F. Chabris**, *Union College*

*There is no fee to attend this workshop. Separate registration is required and can be made at the APS Registration Desk on the Ballroom Level, next to Yosemite A & B.*

Christopher F. Chabris will sign copies of his book, *The Invisible Gorilla: How Our Intuitions Deceive Us*, immediately following this workshop.

Thursday, May 22

1:00 PM - 2:50 PM

Continental Ballroom 8-9

## Introduction to R Statistical System\*

**William R. Revelle**, *Northwestern University*

Thursday, May 22

1:00 PM - 4:50 PM

Mason Room A-B

## Longitudinal Exploratory Data Mining\*

**John J. McArdle**, *University of Southern California*

Thursday, May 22

1:00 PM - 4:50 PM

Yosemite Room A

## Big Data: Promises and Challenges\*

**Richard D. Gonzalez**, *University of Michigan, Ann Arbor*

Sunday May 25

9:00 AM - 11:50 AM

Golden Gate 4-5

## The Moderation of Mediation: Fundamentals of Conditional Process Analysis\*

**Andrew F. Hayes**, *The Ohio State University*

Sunday May 25

9:00 AM - 11:50 AM

Yosemite Room B

## Applying Bayesian Methods\*

**Zoltan Dienes**, *University of Sussex, Brighton, United Kingdom*

Sunday May 25

9:00 AM - 12:50 PM

Golden Gate 6

## Dyadic Data Analysis\*

**Tessa V. West**, *New York University*

Sunday May 25

12:00 PM - 1:50 PM

Golden Gate 7

## Network Analysis for Psychologists\*

**Sacha Epskamp**, *University of Amsterdam, The Netherlands*

\*Sponsored by the Society of Multivariate Experimental Psychology (SMEP).



# STUDENT EVENTS

## APS Student Caucus

Thursday, May 22

9:00 PM - 12:00 AM

Jillian's

### APSSC Convention Kickoff and Student Social

The APS Student Caucus welcomes student affiliates and provides information about all of the great student events at the convention. Students will be able to relax in a casual environment and meet other students who share the same interests. The event is at Jillian's, located at 175 Fourth Street.

Remember to bring ID, as well as your APS Convention Badge. Please note that you must be at least 18 years old to enter the establishment.

Directions: Jillian's is a short walk (.4 miles) from the Hilton San Francisco Union Square. Head east on Ellis Street toward Cyril Magnin Street then take a slight right onto 4th Street.

Co-sponsored by:



Friday, May 23

9:00 AM - 9:25 AM

Golden Gate 1

### Campus Representatives Meeting

Chair: **Allison D. Cantor**, Duke University

Friday, May 23

9:30 AM - 10:25 AM

Golden Gate 2-3

### The Naked Truth Part I: Getting Into Graduate School

Chair: **Jessica R. Schubert**, Binghamton University

#### Presentations:

**Amy Williams**, University of California, Los Angeles

**Jessica L. Schleider**, Harvard University

**Kayoung Kim**, Texas A&M University

**John B. Fleming**, Northwestern University

**Caitlin M. Hudac**, University of Nebraska-Lincoln

Friday, May 23

10:30 AM - 11:25 AM

Golden Gate 2-3

### The Naked Truth Part II: Surviving Graduate School

Chair: **Tatyana Kholodkov**, University of Wyoming

#### Presentations:

**Keri K. Wong**, University of Cambridge, United Kingdom

**Brandilynn Villarreal**, University of California, Irvine

**Monica Bolton**, University of Nevada, Las Vegas

**Matthew R. Pearson**, University of New Mexico

Friday, May 23

11:30 AM - 12:25 PM

Golden Gate 2-3

### The Naked Truth Part III: Navigating the Job Market After Graduate School

Chair: **Kris Gunawan**, University of Nevada, Las Vegas

#### Presentations:

**Kevin T. Petway**, Educational Testing Service

**Maureen Ritchey**, University of California, Davis

**Laura C. Wilson**, University of Mary Washington

Friday, May 23

1:30 PM - 3:20 PM

Golden Gate 2-3

### How to Get Published: Guidance From Journal Editors

Chair: **Allison L. Skinner**, University of Nebraska-Lincoln

#### Editors:

**Richard E. Lucas**, Michigan State University

**Jelte M. Wicherts**, Tilburg University, The Netherlands

**Nora S. Newcombe**, Temple University

**Jessica L. Tracy**, University of British Columbia, Canada

Saturday, May 24

9:00 AM - 10:20 AM

APS Exhibit Hall - Events Area

### RISE Award Addresses

Chair: **Gal Slonim**, Bar-Ilan University, Israel

#### Presentations:

**Kevin Callender**, Yale University

**Naomi Fa-Kaji**, Rice University

**Sophia Green**, Emory University

**Sonika Ung**, Loma Linda University

#### Honorable Mentions:

**Yasmin Abbaszadeh**, University of California, Berkeley

**Manal Alabduljabbar**, University of Florida

**Kristen Jezior**, University of California, Los Angeles

**Becky Lau**, University of Michigan

**Tyler Mason**, Old Dominion University

**Izumi Okado**, University of Hawai'i at Manoa

**Oakleigh Reed**, Central Michigan University

**Kayla Renaud**, University of South Florida

**Inna Saboshchuk**, Hunter College, The City University of New York

**Jessica Thurmond**, Vanderbilt University



# STUDENT EVENTS

Saturday, May 24

11:00 AM - 12:20 PM

APS Exhibit Hall - Events Area

## Student Research Award Addresses

Chair: **Tatyana Kholodkov**, *University of Wyoming*

### Presentations:

**Nora Hope**, *McGill University, Canada*

**Julie Martin**, *Duke University*

**Emma Ross**, *University of Nevada, Las Vegas*

**M.K. Ward**, *North Carolina State University*

### Honorable Mentions:

**Danielle Cornacchio**, *Florida International University*

**Vita Droutman**, *University of Southern California*

**Ryan Fitzgerald**, *University of Regina, Canada*

**Andrew Frane**, *California State University*

**Eliran Halali**, *Ben-Gurion University, Israel*

**Anna Rudo-Hutt**, *University of Pennsylvania*

**Daniel Ignacio**, *California State University, Fullerton*

**Vivien Leung**, *National University of Singapore*

**Joshua Wright**, *Hunter College, The City University of New York*

**Kaidi Wu**, *University of Michigan*

Saturday, May 24

2:30 PM - 3:50 PM

Franciscan Room C-D

## Champions of Psychological Science

Chair: **Kris Gunawan**, *University of Nevada, Las Vegas*

### Champions:

**Carol S. Dweck**, *Stanford University*

**Paul Ekman**, *Paul Ekman Group, LLC*

**R. Eric Landrum**, *Boise State University*

**Nora S. Newcombe**, *Temple University*

**Keith Rayner**, *University of California, San Diego*

**Daniel L. Schacter**, *Harvard University*

**Claude M. Steele**, *University of California, Berkeley*

## Psi Chi

Friday, May 23

9:00 AM - 10:20 AM

Union Square 20

## Promoting Leadership Skills in Psychology Students Through Extracurricular Experience

Chair: **Jason R. Young**, *Hunter College, The University of New York*

### Presentations:

**Susan Becker**, *Colorado Mesa University*

**Martha S. Zlokovich**, *Psi Chi International*

**Jason R. Young**, *Hunter College, The University of New York*

Friday, May 23

10:30 AM - 11:50 AM

Union Square 20

## Implementing Transformative Undergraduate Research Experiences by Encouraging Crowdsourcing Science

Chair: **Jon E. Grahe**, *Pacific Lutheran University*

### Presentations:

**Erica Baranski**, *University of California, Riverside*

**Jason R. Young**, *Hunter College, The University of New York*

**Jon E. Grahe**, *Pacific Lutheran University*

**Jeffrey Spies**, *Center for Open Science*

## Psi Chi Distinguished Speaker

Friday, May 23

4:30 PM - 5:20 PM

Continental Ballroom 7-9

## Toward a Science of Awe

**Dacher Keltner**, *University of California, Berkeley*

*Keltner will sign copies of his book, Understanding Emotions, immediately following his Psi Chi Distinguished Speaker Address.*

## Psi Beta

Friday, May 23

1:00 PM - 2:20 PM

Union Square 20

## Promoting Undergraduate Research

Chair: **Melanie Arpaio**, *Sussex College*

### Presentations:

**Kris Leppien-Christensen**, *Saddleback College*

**Jerry L. Rudmann**, *Irvine Valley College and Psi Beta*

**Katherine Wickes**, *Blinn College*

**Kimberely Duff**, *Cerritos College*

Discussant: **Kathleen Hughes De Sousa**, *Pasco-Hernando College*

## Psi Beta Carol Tracy Distinguished Lecture

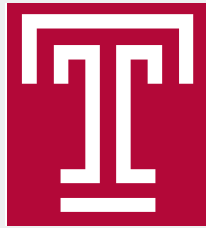
Friday, May 23

2:30 PM - 3:20 PM

Union Square 20

## Why Do Psychologists Conduct Research Like Scientists but Teach Like Dummies?

**Stephen L. Chew**, *Samford University*



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Congratulates



*Nora J. Newcombe*

2014 APS  
**William James Fellow**

From Your Colleagues and Friends at Temple University

# FEDERAL AGENCIES

## Institute of Education Sciences

Friday, May 23

2:30 PM - 3:30 PM

APS Exhibit Hall - Events Area

### Funding Opportunities Through the Institute of Education Sciences

Erin J. Higgins, *Institute of Education Sciences*

## National Cancer Institute

Saturday, May 24

1:00 PM - 1:30 PM

APS Exhibit Hall - Events Area

### National Institutes of Health Big Data to Knowledge (BD2K) Initiative: Opportunities for Psychological Science

Richard P. Moser, *National Cancer Institute*

William Riley, *National Cancer Institute*

Saturday, May 24

2:00 PM - 3:20 PM

Franciscan Room A

### Data Integration in a Big Data Environment to Understand Human Behavior

Chair: Allison Ottenbacher, *National Cancer Institute*

#### Presentations:

**John Ayers**, *San Diego State University*

**Damon Centola**, *University of Pennsylvania*

**Mark Cummings**, *San Diego State University and  
Orchestral Networks*

Discussant: **Keith Widaman**, *University of California, Davis*

Sunday, May 25

9:00 AM - 10:20 AM

Yosemite Room A

### Using Big Data to Advance Psychological Theory: Report From the NCI "Big Data for Theory Advancement" Meeting

Chair: William Riley, *National Cancer Institute*

#### Presentations:

**Noshir Contractor**, *Northwestern University*

**Genevieve Dunton**, *University of Southern California*

**Donna Spruijt-Metz**, *University of Southern California*

Discussant: **William Klein**, *National Cancer Institute*

## National Institute of Dental and Craniofacial Research

### "Building Bridges" Poster Award Winners

#### Poster Session VII

APS Exhibit Hall - Grand Ballroom

Friday, May 23

4:00 PM - 5:00 PM

#### 144 - Are Dentists Teaching Oral-Self-Examination and Providing Smoking Cessation Counseling to Cancer Patients?

Irene M. Tami-Maury, *The University of Texas MD Anderson Cancer Center*

#### 145 - Community Water Fluoridation and Intelligence Quotient

Jonathan M. Broadbent

#### 146 - Barriers to Dental Care Predict Greater Latino/a Permanent Tooth Loss

Daniel J. Kruger, *University of Michigan*

#### 147 - Fatigue Mediates the Relationship between Orofacial Pain Interference and Distress

Ian Boggero, *University of Kentucky*

#### 148 - Fears and Beliefs about Pain and Dentistry Predict Treatment-Seeking Behavior

Cameron L. Randall, *West Virginia University*

#### 149 - Impaired Daytime Emotion Regulation in Sleep Bruxism

Sylvia D. Kreibig, *Stanford University*

#### 150 - Improving Oral Health Behavior: Matching Message Frame and Culture Increases Flossing

Scout N. McCully, *Kent State University*

## The National Institute on Alcohol Abuse and Alcoholism

Booth 410

APS Exhibit Hall-Grand Ballroom

Meet representatives of the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and learn about the importance of alcohol research, prevention and treatment for maintaining the health of the individual, the family, and the nation. The NIAAA exhibit features publications appropriate for the public, research findings for professional and for policymakers, and research grant opportunities available for biomedical and social science researchers.



# icps 2015

12-14 March 2015 | Beurs van Berlage | Amsterdam, The Netherlands

## A major new initiative organized by APS

### Keynote Speakers



**Stanislas Dehaene**

*Collège de France and INSERM-CEA  
Cognitive Neuroimaging Unit, France*



**George Lakoff**

*Departments of Linguistics and  
Cognitive Science, University of  
California, Berkeley, USA*



**Terrie E. Moffitt**

*Institute for Genome Sciences &  
Policy, Duke University, USA*

### Three features make ICPS unique:

**Integrative Science Symposia:** Solutions to our most pressing scientific questions come from cross-cutting efforts in which investigators deploy diverse research methods and attack problems at multiple levels of analysis. ICPS will showcase these efforts in thematic *Integrative Science Symposia* featuring leading investigators from not only psychological science, but also neuroscience, genetics, sociology, anthropology, linguistics, and related fields.

**Skill-Building Workshops:** At a scientific convention, you not only can learn about others' novel research findings, but you also can learn how to execute the cutting-edge research methods that produced them. At ICPS, *Cutting-Edge Methodological Workshops* will provide scientific skill-building opportunities for all conference attendees.

**International Scope:** ICPS is the first-of-its-kind international conference dedicated to scientific advances in all areas of psychology and related disciplines. Share ideas with colleagues from around the globe at this must-attend international gathering of the psychological science community.

### Partners



[www.icps-2015.org](http://www.icps-2015.org)

# INTERNATIONAL CONVENTION OF PSYCHOLOGICAL SCIENCE

AMSTERDAM  
12-14 March  
  
ASSOCIATION FOR  
PSYCHOLOGICAL SCIENCE

## Featured Speakers

**JAY BELSKY**

University of California,  
Davis, USA

**NIALL P. BOLGER**

Columbia University, USA

**DENNY BORSBOOM**

University of Amsterdam,  
The Netherlands

**PASCAL BOYER**

Washington University in  
St. Louis, USA

**CHRIS BREWIN**

University College London,  
United Kingdom

**DEBORAH M. CAPALDI**

Oregon Social Learning  
Center, USA

**EVELINE CRONE**

Leiden University,  
The Netherlands

**BEATRICE DE GELDER**

Maastricht University,  
The Netherlands

**JAN DE HOUWER**

Ghent University, Belgium

**HANNE DE JAEGER**

University of the  
Basque Country, Spain

**ULRICH W. EBNER-  
PRIEMER**

Karlsruhe Institute  
of Technology, Germany

**NICOLE ELLISON**

University of Michigan, USA

**MICHAEL EYSENCK**

Royal Holloway, University of  
London, United Kingdom

**MARTHA J. FARAH**

University of  
Pennsylvania, USA

**ELI J. FINKEL**

Northwestern  
University, USA

**CYNTHIA FU**

University of East London,  
United Kingdom

**CYNTHIA  
GARCÍA COLL**

Universidad Carlos Albizu –  
San Juan, PR, USA

**SHIHUI HAN**

Peking University, China

**ANNETTE D. KARMILOFF-  
SMITH**

Birkbeck, University of London,  
United Kingdom

**JUTTA KRAY**

Saarland University, Germany

**MICHAEL E. LAMB**

University of Cambridge,  
United Kingdom

**NILLI LAVIE**

University College London,  
United Kingdom

**WOLFGANG LUTZ**

University of Trier, Germany

**Jacqueline Mattis**

New York University, USA

**Michael Meaney**

Douglas Mental Health  
University Institute and McGill  
University, Canada

**URS M. NATER**

University of Marburg, Germany

**ELINOR OCHS**

University of California, Los  
Angeles, USA

**DAVID PUTS**

Pennsylvania State  
University, USA

**AMIR RAZ**

McGill University, Canada

**HARRY REIS**

University of Rochester, USA

**VASSILIS SAROGLOU**

Université catholique  
de Louvain, Belgium

**KLAUS R. SCHERER**

University of Geneva, Switzerland

**JONATHAN W. SCHOOLER**

University of California,  
Santa Barbara, USA

**JÜRGEN SCHUPP**

German Institute for Economic  
Research, DIW Berlin, Germany

**GÜN SEMIN**

ISPA – Instituto Universitário,  
Portugal; Koç University, Turkey;  
and Utrecht University, The  
Netherlands

**ELDAR SHAFIR**

Princeton University, USA

**TANIA SINGER**

Max Planck Institute, Germany

**YI-YUAN TANG**

Texas Tech University, USA

**JESSICA TRACY**

University of British  
Columbia, Canada

**MARION UNDERWOOD**

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Texas-Dallas, USA

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United Kingdom

**PHILIP D. ZELAZO**

University of Minnesota, USA

## ICPS Call for Submissions

Opens in June 2014

**Symposium Deadline**

17 September 2014

**Poster Deadline**

30 September 2014

### About Submissions

While the goal of ICPS is to highlight and support integrative science, it is not a requirement that your research submission be integrative in nature. In presenting your research at ICPS you will be connecting with other scientists whose work will be complementary to your own and you will find yourself being part of a combined effort that exemplifies integrative science.

More information available online at [www.icps-2015.org](http://www.icps-2015.org).

# *Congratulations*



**Dante Cicchetti**

Recipient of the

**2014 APS**

**James McKeen Cattell Fellow Award**

**With Warm Wishes—**

*Your Friends and Colleagues at the  
Institute of Child Development,  
University of Minnesota*



# ASSOCIATION FOR PSYCHOLOGICAL SCIENCE

26<sup>TH</sup> ANNUAL CONVENTION May 22-25, 2014 | San Francisco, CA, USA

*Renew acquaintances, make new connections,  
and network with fellow attendees*

## Opening Reception

Thursday, May 22 | 8:00 PM - 9:30 PM  
APS Exhibit Hall - Grand Ballroom

Sponsored by



**Berkeley**  
UNIVERSITY OF CALIFORNIA

Psychological Sciences  
**UCMERCED**



## Friday Night Reception

Friday, May 23 | 7:30 PM - 9:00 PM  
East Lounge

Sponsored by



**NEW YORK UNIVERSITY**

## Saturday Night Reception

Saturday, May 24 | 7:00 PM - 8:30 PM  
East Lounge

Sponsored by





# ANNUAL REVIEWS

Now Available From Annual Reviews:

## ***Annual Review of Organizational Psychology and Organizational Behavior***

Volume 1 • March 2014 • Online & In Print • <http://orgpsych.annualreviews.org>

Editor: **Frederick P. Morgeson**, *The Eli Broad College of Business, Michigan State University*

The *Annual Review of Organizational Psychology and Organizational Behavior* is devoted to publishing reviews of the industrial and organizational psychology, human resource management, and organizational behavior literature. Topics for review include motivation, selection, teams, training and development, leadership, job performance, strategic HR, cross-cultural issues, work attitudes, entrepreneurship, affect and emotion, organizational change and development, gender and diversity, statistics and research methodologies, and other emerging topics.

**Complimentary online access to the first volume will be available until March 2015.**

### TABLE OF CONTENTS:

- *An Ounce of Prevention Is Worth a Pound of Cure: Improving Research Quality Before Data Collection*, Herman Aguinis, Robert J. Vandenberg
- *Burnout and Work Engagement: The JD-R Approach*, Arnold B. Bakker, Evangelia Demerouti, Ana Isabel Sanz-Vergel
- *Compassion at Work*, Jane E. Dutton, Kristina M. Workman, Ashley E. Hardin
- *Constructively Managing Conflict in Organizations*, Dean Tjosvold, Alfred S.H. Wong, Nancy Yi Feng Chen
- *Coworkers Behaving Badly: The Impact of Coworker Deviant Behavior upon Individual Employees*, Sandra L. Robinson, Wei Wang, Christian Kiewitz
- *Delineating and Reviewing the Role of Newcomer Capital in Organizational Socialization*, Talya N. Bauer, Berrin Erdogan
- *Emotional Intelligence in Organizations*, Stéphane Côté
- *Employee Voice and Silence*, Elizabeth W. Morrison
- *Intercultural Competence*, Kwok Leung, Soon Ang, Mei Ling Tan
- *Learning in the Twenty-First-Century Workplace*, Raymond A. Noe, Alena D.M. Clarke, Howard J. Klein
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- *Personality and Cognitive Ability as Predictors of Effective Performance at Work*, Neal Schmitt
- *Perspectives on Power in Organizations*, Cameron Anderson, Sebastien Brion
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- *What Was, What Is, and What May Be in OP/OB*, Lyman W. Porter, Benjamin Schneider
- *Where Global and Virtual Meet: The Value of Examining the Intersection of These Elements in Twenty-First-Century Teams*, Cristina B. Gibson, Laura Huang, Bradley L. Kirkman, Debra L. Shapiro
- *Work-Family Boundary Dynamics*, Tammy D. Allen, Eunae Cho, Laurenz L. Meier

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Volume 65 • January 2014 • Online & In Print • <http://psych.annualreviews.org>

Editor: **Susan T. Fiske**, *Princeton University*

The *Annual Review of Psychology*, in publication since 1950, covers the significant developments in the field of Psychology, including biological bases of behavior, sensation and perception, cognitive processes, animal learning and behavior, human development, psychopathology, clinical and counseling psychology, social psychology, personality, environmental psychology, and community psychology.

## ***Annual Review of Clinical Psychology***

Volume 10 • March 2014 • Online & In Print • <http://clinpsy.annualreviews.org>

Co-Editors: **Tyrone D. Cannon**, *Yale University*  
**Thomas Widiger**, *University of Kentucky*

The *Annual Review of Clinical Psychology*, in publication since 2005, provides comprehensive reviews of significant developments in the fields of Clinical Psychology and Psychiatry. The journal covers research, theory, and the application of psychological principles to address recognized disorders, including schizophrenia, mood, anxiety, childhood, substance use, and cognitive and personality disorders. Articles also address broader issues cross-cutting the field, such as diagnosis, treatment, social policy, and cross-cultural and legal issues.

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# 2014 APS Convention Opening Events

Thursday, May 22 | 6:00 PM - 8:00 PM | Continental Ballroom 4-6

## Fred Kavli Keynote Address



**Group Love: How the Mind Creates  
"Us" and "Them"**

**Mahzarin R. Banaji**  
*Harvard University*

*Mahzarin R. Banaji will sign copies of her book, Blindspot: Hidden Biases of Good People, immediately following her Keynote Address in the APS Exhibit Hall - Grand Ballroom.*

The Keynote Address is preceded by the presentation of awards.

### APS William James Fellows

**Robert W. Levenson**  
*University of California, Berkeley*

**Nora S. Newcombe**  
*Temple University*

**Keith Rayner**  
*University of California, San Diego*

**Terry E. Robinson**  
*University of Michigan*

### APS James McKeen Cattell Fellows

**Dante Cicchetti**  
*University of Minnesota*

**Neal Schmitt**  
*Michigan State University*

**Marsha M. Linehan**  
*University of Washington*

### APS Mentor Award

**Gilles O. Einstein**  
*Furman University*

**Megan R. Gunnar**  
*University of Minnesota*

**Richard E. Nisbett**  
*University of Michigan*

**Robert Rosenthal**  
*University of California, Riverside*

### APS Janet Taylor Spence Award For Transformative Early Career Contributions

**Alan Anticevic**  
*Yale University*

**Kurt Gray**  
*University of North  
Carolina*

**J. Kiley Hamlin**  
*University of British  
Columbia, Canada*

**Ethan F. Kross**  
*University of Michigan*

**Angelica Ronald**  
*Birkbeck, University of  
London, United Kingdom*

**Leah H. Somerville**  
*Harvard University*

Other awards and recognition:

Psi Chi/APS Albert Bandura Graduate Research Award

APS Student Caucus Awards

Society for a Science of Clinical Psychology Distinguished Scientist Award

Society for a Science of Clinical Psychology Susan Nolen-Hoeksema Early Career Research Award

Society for a Science of Clinical Psychology Lawrence H. Cohen Outstanding Mentor Award