



PRESENTS:



# DATE WITH A CURE

A FREE ALZHEIMER'S RESEARCH FORUM

Welcome!



Eugenia Welch  
President & CEO



Thank you!



Keck School of  
Medicine of USC

Alzheimer's Therapeutic  
Research Institute



*To us, it's personal.*





# Alzheimer's San Diego is here for you throughout the COVID-19 pandemic!

[www.alzsd.org](http://www.alzsd.org) | 858.492.4400



## Supportive Counseling

Contact our dementia experts for free support Mon-Fri, 8:30 AM-5 PM.



## Online Education

Join us for weekly webinars & check out our growing library.



## Support & Discussion Groups

We have moved more than a dozen support & discussion groups online...with more on the way.



## Virtual ALZ Companion Visits

Volunteers are using technology to connect with families in San Diego County – from a safe distance.



## Movement & Motion

Keep your body moving with these safe & easy exercise videos.



## Reusable Masks

Our dedicated volunteers are sewing reusable cloth masks for older adults in need.

## COLLABORATION4CURE

A groundbreaking local initiative that combines San Diego's resources in order to accelerate research and drug discovery projects to find a cure.



When you join a clinical trial, you contribute to critical research that could change the course of Alzheimer's disease treatment and cure.



Join us!

- VIRTUAL -



MOTORCYCLE RIDE TO BENEFIT  
Alzheimer's | SAN DIEGO

July 18, 2020

Walk4ALZ5!



October 17, 2020



**Amy Abrams, MSW/MPH**  
**Moderator**

*Director of Education*  
Alzheimer's San Diego



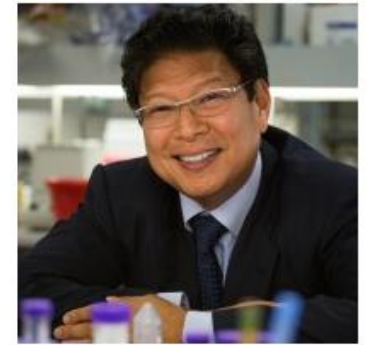
**Dr. Paul S. Aisen**

*Director*  
USC Alzheimer's Therapeutic  
Research Institute



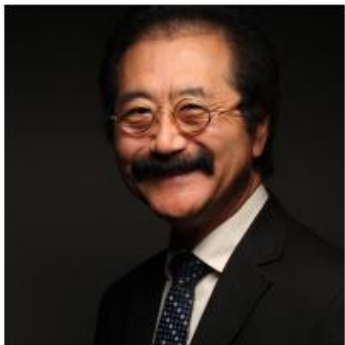
**Dr. Jim Brewer**

*Director*  
UCSD's Shiley-Marcos  
Alzheimer's Disease  
Research Center



**Dr. Jerold Chun**

*Senior Vice President,*  
*Neuroscience Drug Discovery*  
Sanford Burnham Prebys  
Medical Discovery Institute



**Dr. Thomas "TC" Chung**

*Director, Translational*  
*Programs Outreach*  
Sanford Burnham Prebys  
Medical Discovery Institute



**Dr. Brent Mausbach**

*Clinical Psychologist*  
UC San Diego Health



**Dr. Michael Plopper**

*Medical Director*  
Sharp Clinical Research  
Center

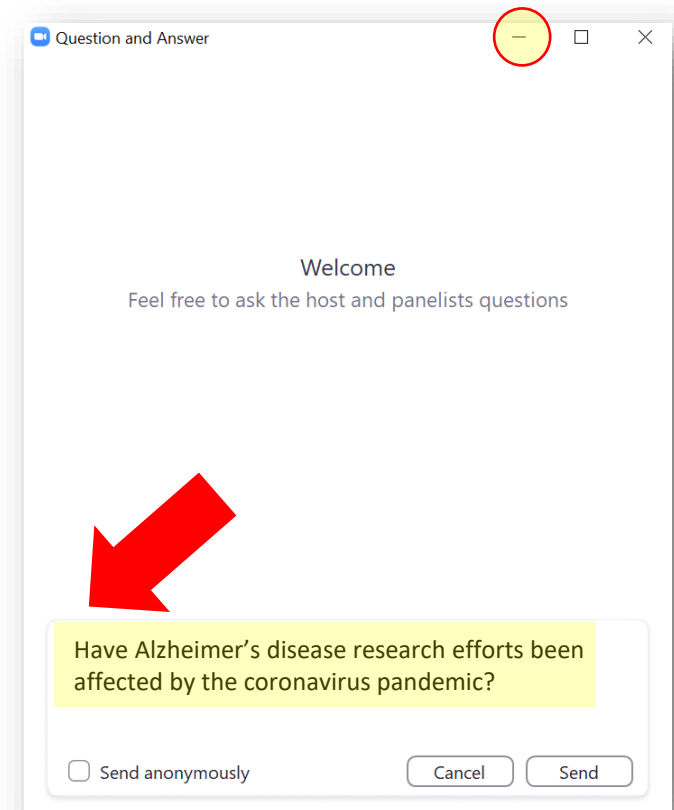


**Dr. Sherry Soefje**

*COO and Medical Director*  
Excell Research

# About the program

- All attendees have been muted
- This program is being recorded
- Program materials will be emailed
- Use “Q&A” to submit questions







*Alzheimer's San Diego's **Volunteer Tech Team** is here to help! Call our office (858-492-4400) or send a message in the webinar "chat" if you need technical assistance during the program.*



**Amy Abrams, MSW/MPH**  
**Moderator**

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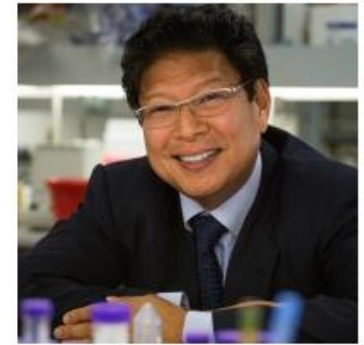
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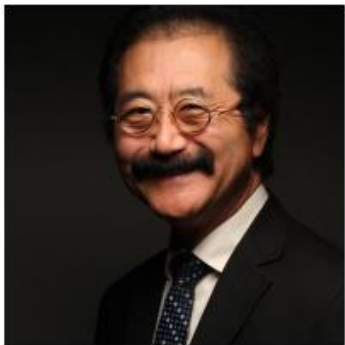
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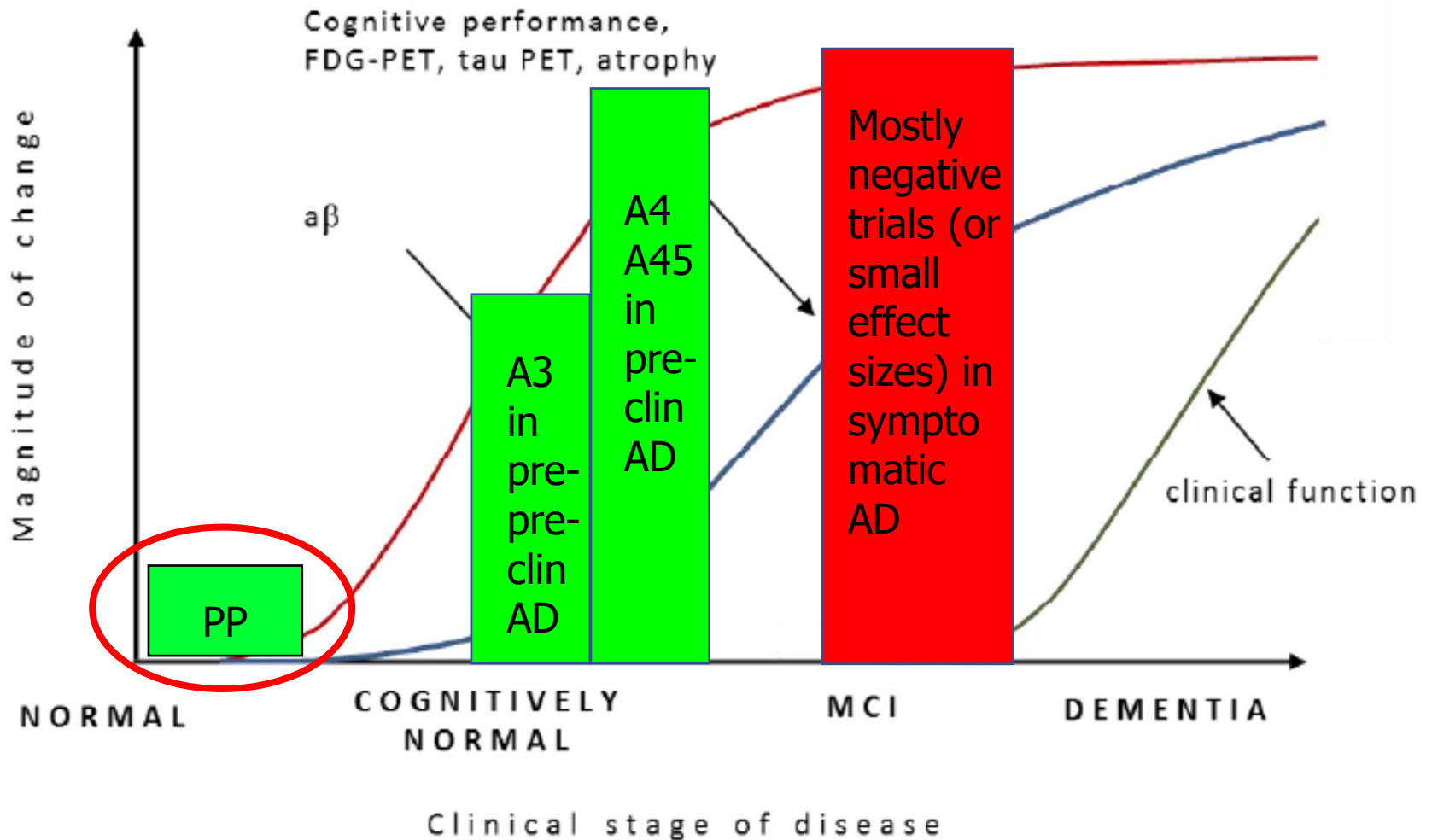
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*COO and Medical Director*  
Excell Research



Dr. Paul Aisen  
Director, USC Alzheimer's  
Therapeutic Research Institute

# When should we target amyloid in Alzheimer's disease?





Dr. Jim Brewer  
Director, UCSD Shiley-Marcos  
Alzheimer's Disease  
Research Center

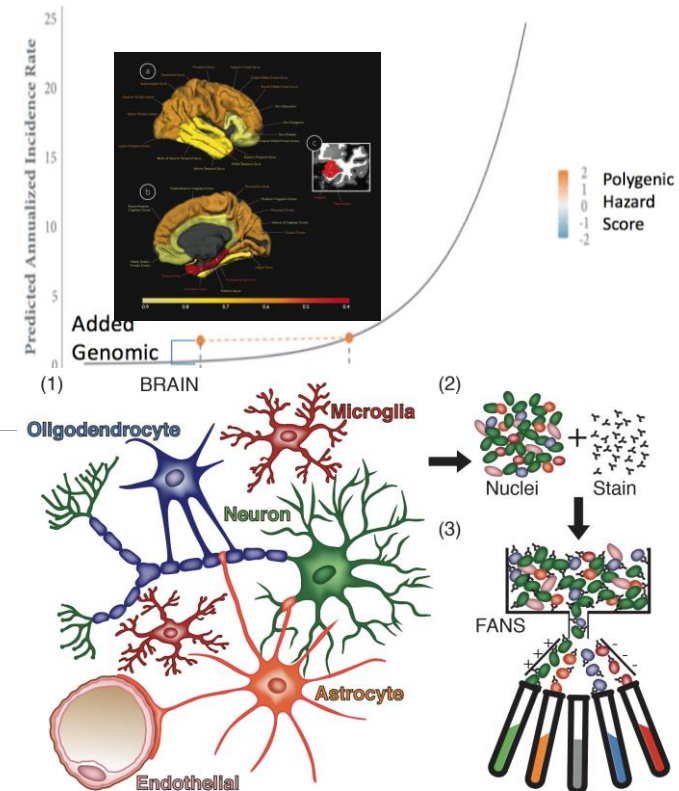
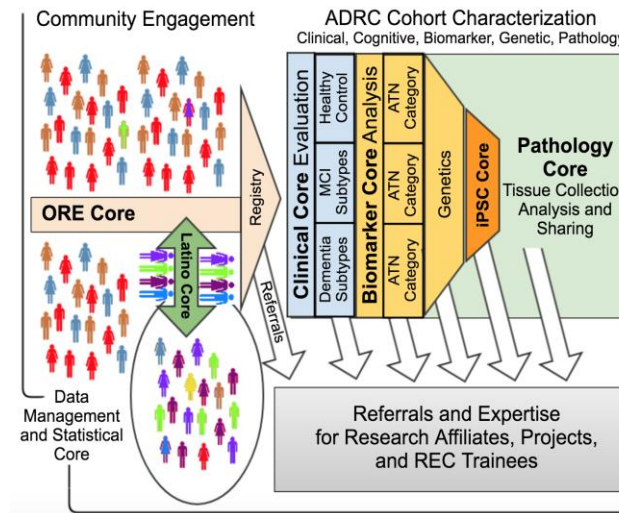
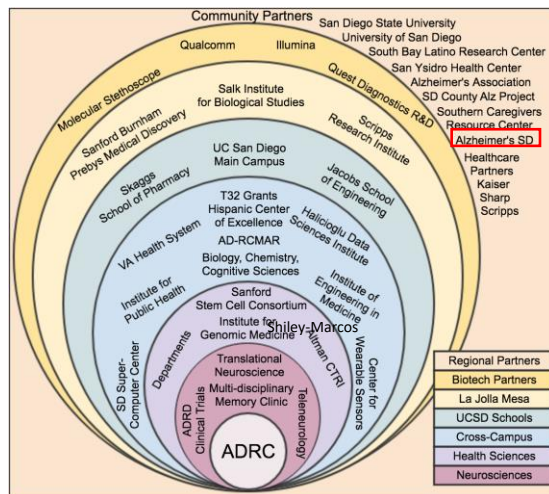
# Leveraging the San Diego Environment for Alzheimer's Science

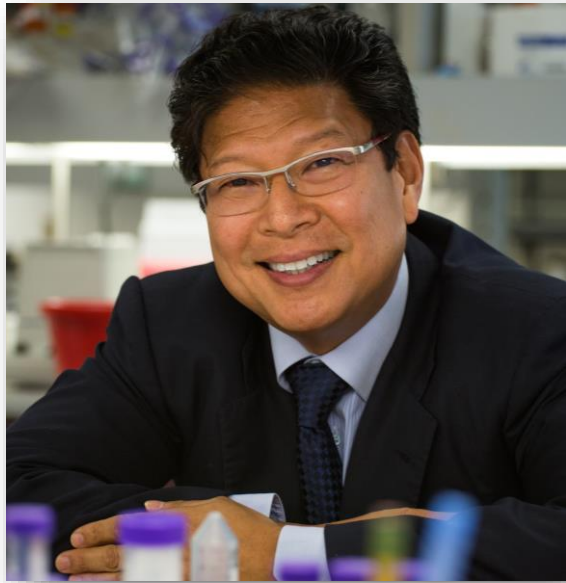
James Brewer, MD, PhD UC San Diego Shiley-Marcos ADRC

Point 1: San Diego Environment is TOP NOTCH for AD research

Point 2: We need broad and diverse participation in human research studies

Point 3: Characterizing the disease in humans is key to making research advances, and our abilities are rapidly developing and are amazing!





Dr. Jerold Chun  
Senior Vice President,  
Neuroscience Drug Discovery  
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Your brain is a “**genomic mosaic:**” each cell has a distinct DNA blueprint. In Alzheimer’s disease (**AD**) neurons, the blueprint becomes pathologically altered.



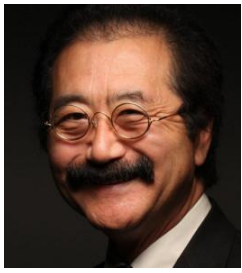
The blueprint is altered by a new process called “**Somatic Gene Recombination**” that takes a normal AD gene and vastly increases its DNA forms and sequences, including pathogenic mutations. An enzyme called “reverse transcriptase” is required for gene recombination.

3 Reverse transcriptase inhibitors are FDA-approved for HIV and aged, treated HIV<sup>+</sup> patients appear to show less AD.





Dr. Thomas "TC" Chung  
Director, Translational  
Programs Outreach  
Sanford Burnham Prebys  
Medical Discovery Institute



Thomas "TC" Chung, PhD  
*Director, Translational  
Programs Outreach*  
Sanford Burnham Prebys  
Medical Discovery Institute

# 3 things about my work with C4C

## "Collaboration 4 Cure"

- "CURE" component of San Diego's Alzheimer's Project
- Seeds early "translational" efforts on novel approaches / targets of Alzheimer's Disease with \$\$ and infrastructure
- Successful grant leverage to "seed, catalyze & transform"



Dr. Brent Mausbach  
Clinical Psychologist  
UC San Diego Health

# History of the UC San Diego Caregiver Project

- Early focus was on the emotional and physical consequences of caregiving
- Science had already shown that stress/distress was related to health problems (e.g., CVD; Hypertension)
- Our project focused on *why* the stress/distress led to those outcomes:
  - Caregivers have more active sympathetic nervous systems (SNS)
  - Active SNS can cause “sheer stress” which can cause higher coagulation molecules in the caregivers’ systems
  - Wouldn’t you know it, caregivers have higher levels of inflammation and coagulation molecules. These put caregivers at risk for CVD; hypertension.



Dr. Michael Plopper  
Medical Director  
Sharp Clinical Research Center

# Benefits of Clinical Trial Participation

Michael Plopper, MD, Director of Clinical Research



**Free Memory Screens**

**(858) 836-8350**

**[www.sharp.com/clinicaltrials](http://www.sharp.com/clinicaltrials)**

- Reasons to Participate
  - Take control of diagnosis
  - Help find treatments, improved diagnostic methods, and a potential cure
- What to Expect
  - Involvement for months to years
  - Study partner participation
  - Infusion vs oral medication vs topical
  - Must be able to adhere to study schedule
  - All participation is voluntary and does not affect treatment as usual



Dr. Sherry Soefje  
Chief Operating Officer and  
Medical Director  
Excell Research

# A CLINICAL TRIALS SITE EXPERIENCE

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- Often the same studies as at universities
- Studies done by pharmaceutical companies to test medications
- A team of people including an MD, psychologist, coordinator, lab technician, and cognitive tester in a small office setting
- Make your choice of a site based on location and your feelings about the people at the site



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[soefjemd@excellresearch.com](mailto:soefjemd@excellresearch.com)  
760-758-2222



# Ask the experts



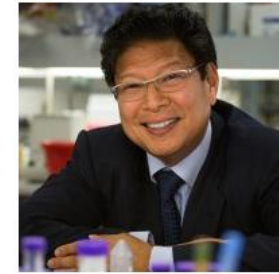
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THANK YOU FOR JOINING US!



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