

# DEFEATING DEMENTIA:

## NEW DIRECTIONS FROM THE BIOLOGY OF AGING

April 13, 2023 | Bakar Labs, Berkeley, CA | #defeatdementia

Presented by:



Alzheimer's  
Drug Discovery  
Foundation

The recent progress in developing treatments for Alzheimer's and other dementias has created new momentum to accelerate progress by convening the academic and private sector expertise of the San Francisco Bay Area to discuss new and emerging approaches for treatment and prevention. Today's symposium aims to:

- Attract and cultivate new talent in the field
- Promote successful entrepreneurship in therapies and diagnostics
- Stimulate cross-fertilization of ideas and technologies across disciplines.



## PROGRAM

	SESSION	PRESENTER
8:30AM	Welcome address	Regis Kelly, PhD, Bakar Labs Mark Roithmayr, ADDF Howard Fillit, MD, ADDF
8:45	KEYNOTE: Progress in the biology of aging and dementia	Tony Wyss-Coray, PhD, Stanford University
9:15	Discussion	
9:25	SESSION 1: EVOLVING CONCEPTS OF DEMENTIA	CHAIR: Meriel Owen, PhD, ADDF
9:25	Session Overview	Chair
9:30	Crossing barriers in neurodegeneration discovery and drug development	Ryan Watts, PhD, Denali
9:45	Sentinel fibroblasts in diseases of aging	Anil Bhushan, PhD, UCSF
10:00	Molecular mechanisms behind BBB opening and its consequences	Daniela Kaufer, PhD, UC Berkeley
10:15	Discussion	
10:35	Break	
10:55	Aberrant cortical spine dynamics and the integrated stress response	Susanna Rosi, PhD, Altos Labs
11:10	Neuroimmunology as a strategy for targeting neurodegeneration	Sara Kenkare-Mitra, PhD, Alector
11:25	Mechanisms of neurodegeneration in Parkinson's disease	Suzanne Pfeffer, PhD, Stanford University
11:40	Glia: controls on beneficial and toxic states in disease	Martin Kampmann, PhD, UCSF
11:55	Aging, lysosomes and neurodegenerative disease	Aimee Kao, MD, PhD, UCSF
12:10 PM	Discussion	
12:30	Lunch	

# PROGRAM (cont.)

1:30	<b>SESSION 2: DEMENTIA INNOVATION SHOWCASE</b>	<b>CHAIR: Meriel Owen, PhD, ADDF</b>
1:30	Session Overview	Chair
1:35	Bakar Labs	Regis Kelly, PhD, <i>Bakar Labs</i>
1:45	Alzheimer's Drug Discovery Foundation funding opportunities	Meriel Owen, PhD, <i>ADDF</i>
1:55	<b>Pitch Presentations from 10 Selected Companies: Introduction</b>	<b>Meriel Owen, PhD, ADDF</b>
2:00	Discovery and development of a PIKFYVE antisense oligonucleotide therapeutic for sporadic FTD	Sam Alworth, MS, MBA, <i>AcuraStem</i>
2:10	Immune cell recruitment inhibitors for Alzheimer's disease	Frank Menniti, PhD, <i>MindImmune Therapeutics</i>
2:20	The role of CB2 agonist in reducing neuroinflammation and treating neurodegeneration	Marianna Kiraly, PhD, <i>NeuroTherapia</i>
2:30	Pioneering fibrin-targeting therapies to treat neurodegenerative diseases	Jeffrey Stavenhagen, PhD, <i>Therini Bio</i>
2:40	<i>Break</i>	
2:50	Precision medicine Alzheimer's disease using RNA-Seq with machine learning analysis of cell free mRNA compartment	John Sninsky, PhD, <i>Molecular Stethoscope</i>
3:00	RetiSpec's hyperspectral imaging system: a novel approach to retinal-based detection of Alzheimer's disease	Catherine Bornbaum, PhD, MBA, <i>RetiSpec</i>
3:10	Rio Pharmaceuticals: quantitative CNS PET Imaging biomarkers for neurodegeneration	John Gerdes, PhD, <i>Rio Pharmaceuticals</i>
3:20	Identification of individuals with prodromal AD using peripheral miRs	Erwin Roggen, PhD, <i>ToxGen Solutions BV</i>
3:30	An End-to-end Deep Learning Based Disease Prediction Framework - Case Study on MCI	Joe Xing, PhD, <i>C. Light Technologies</i>
3:40	<i>Break</i>	
4:00	<b>Presentations from selected submissions</b>	<b>CHAIR: Regis Kelly, PhD, Bakar Labs</b>
	Teal Omics	Alex Boches
	NeuroAge Therapeutics	Christin Glorioso, MD, PhD
	Neurxstem	Rene Anand, PhD
	Junevity	Janine Sengstack, PhD
	Ciznor	Tandis Vazin, PhD
	Mitofina Therapeutics	Sridaran Natesan, PhD
	CyteGen	Blake Hill, PhD
	Aptah Bio	Rafael Bottos
	Deciduous Therapeutics	Robin Mansukhani
	Sinaptica Therapeutics	Ken Mariash
MirroRx	Cynthia McMurray, PhD	
6:15	<b>Summary/New Directions</b>	<b>Regis Kelly, PhD, Bakar Labs</b>
6:25	<b>Concluding Remarks</b>	<b>Mark Roithmayr, ADDF</b>
6:30	NETWORKING RECEPTION	
6:45	Award Ceremony	
7:30	Symposium ends	