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Letter from the Executive Director



Dear Friends and Colleagues,

I am delighted to share the first annual public report of the Global Brain Health Institute (GBHI).

This report is compiled as the Atlantic Fellows for Equity in Brain Health program completed training of our third cohort of fellows, now totaling 85 leaders from 29 countries. We recently welcomed our fourth cohort that includes 32 new leaders who broaden our geographic spread to seven new countries, including Bermuda, Chile, Ethiopia and Kenya.

This report chronicles a highly engaged and increasingly networked group of fellows whose collaborative efforts through art, medicine, research, education, and advocacy are making a global impact.

You will read of our growing efforts to reduce the impact of dementia worldwide, with examples of exciting new developments in Latin America, the Mediterranean, and the UK. You will also read about innovative pilot projects that fellows are running in their home communities. To date, more than 70 percent of Atlantic Fellows have returned to their communities to complete an activity aligned with our goals, providing stability for our fellows as they develop into regional leaders.

GBHI is increasingly recognized for our inter-professional approach, for our focus on brain health rather than disease, for championing the vulnerable, and for lifelong career support of our fellows. We remain committed to invest in regions beyond the US and Ireland, where our founding sites are based. We continue to share our deepest gratitude to our community members and supporters for providing us with the resources needed to truly change society around brain health.

Now, I'm thrilled to share with you the efforts of our community. I hope you will enjoy reading about them.

Victor Valcour, MD, PhD
Professor of Geriatric Medicine, UCSF Department of Neurology
Executive Director, Global Brain Health Institute

About GBHI

The Global Brain Health Institute (GBHI) is dedicated to protecting the world's aging populations from threats to brain health.

Dementia is rapidly increasing around the world. By 2050, the number of people with dementia could triple from 50 million to 152 million, overwhelming families, communities, public health care systems, and economies worldwide.

In 2015, the Atlantic Philanthropies offered significant funding to the University of California, San Francisco (UCSF) and Trinity College Dublin, the University of Dublin (Trinity) to establish GBHI, a groundbreaking initiative that aims to tackle the looming dementia epidemic and improve brain health worldwide.

GBHI works to reduce the scale and impact of dementia in three ways: by training and connecting the next generation of leaders in brain health through the Atlantic Fellows for Equity in Brain Health program; by collaborating in expanding preventions and interventions; and by sharing knowledge and engaging in advocacy.

GBHI brings together a powerful mix of disciplines, professions, backgrounds, skill sets, perspectives, and approaches to develop new solutions. We strive to improve brain health for populations across the world, reaching into local communities and across our global network. We focus on working compassionately with people in vulnerable and underserved populations to improve outcomes and promote dignity for all.



Phyllis Jean Hamilton, Chief United States District Judge

The Atlantic Fellows for Equity in Brain Health



Cindy Weinstein, PhD (left) and Shamiel McFarlane, MBBS, MSc, Atlantic Fellows

The Atlantic Fellows for Equity in Brain Health program at GBHI provides innovative training, networking, and support to emerging leaders focused on improving brain health and reducing the impact of dementia worldwide. It is one of seven global Atlantic Fellows programs to advance fairer, healthier, and more inclusive societies.

Atlantic Fellows at GBHI join the program for 12 months and have a base at UCSF or Trinity. A curriculum covering economics, epidemiology, law and ethics, leadership, neurology, public policy, and statistics constitutes part of the experience. Fellows also gain experiences in the clinic, engage in projects aimed at advancing brain health, and have opportunities to work with individuals with cognitive disorders. Through intensive mentoring, fellows are guided in the development of projects, careers, leadership, and policy efforts.

After training, we expect fellows to return to their home community to implement a project using newly acquired knowledge and expertise. They continue to have access to career-duration mentoring, pilot funds, and an international network of colleagues.

The Atlantic Fellows program at GBHI will train hundreds of global leaders over the next 15 years in the US, Ireland, and across the world to promote brain health and dementia prevention, to reduce stigma, and to alleviate suffering. GBHI is dedicated to training at least 50% of fellows who come from regions outside the US and Ireland. The fellows come from many different professional backgrounds including clinical practice, social sciences, arts, economics, public health, research, policy and education.

Atlantic Fellows

FOR EQUITY
IN BRAIN HEALTH

Regional stories

EFFORTS TO FIGHT DEMENTIA IN LATIN AMERICA TAKE HOLD

“If we really want to make change, we have to go beyond borders,” says Agustin Ibáñez, PhD, an Atlantic Fellow at GBHI and neuroscientist from Argentina.

Countries in Latin America and the Caribbean (LAC)—where a third of the population lives in poverty, combined with one of the world’s fastest growing elderly populations—are experiencing growing rates of dementia faster than most of the world. Like dementia in developing countries worldwide, cases in LAC are expected to triple by 2050. This rise will bring great challenges for care, diagnosis, and prevention.

Since its founding, GBHI has invested major efforts to address the dementia epidemic in LAC. In the Atlantic Fellows for Equity in Brain Health program, a third of the fellows are from this region. As designed, new leaders of brain health are starting to emerge to deliver positive change to brain health in LAC.

In 2018, Ibáñez helped to launch the Latin America and Caribbean Consortium on Dementia (LAC-CD), a regional organization overseeing and promoting clinical and research activities on dementia. The budding group focuses on building networks across LAC to support collaborative training, research, and clinical practice.

The LAC-CD achieved significant attention in 2018, including an award from the Inter-American Development Bank (IDB) and a publication in *Neurology*. As a result, the network is growing. The consortium has recruited 100 members with many more expected.

“We have a huge opportunity to create a sense of membership, to share a common voice, and to empower local groups,” says Ibáñez. “We are reaching for a big dream.”

The dream of using literacy and education to improve dementia is driving Elisa Resende, MD, an Atlantic Fellow at GBHI and neurologist from Brazil. She is exploring how late life education and literacy programs may re-shape the brain to become more resilient.

In addition to poverty and limited health care, LAC sees high rates of dementia due to low literacy and education rates. For instance, 30 percent of older adults in Brazil are illiterate.

Resende hopes her work will show how adult literacy training can reduce the risk of dementia. In 2018, her efforts received major attention, including an award from the World Federation of Neurology and publications in *JAMA Neurology*, among others.

“If we can prove that the literacy program is going to prevent or reduce (dementia), it can be a prevention strategy, which is cheap,” says Resende. The continued efforts of the next generation of leaders in brain health appear to be well on the way to delivering positive change to brain health in LAC.



Agustin Ibáñez, PhD, Atlantic Fellow



Elisa Resende, MD, Atlantic Fellow

Examples of Impact and Collaboration in Latin America and Caribbean

Bárbara Costa Beber (Brazil) – Faculty position at Universidade Federal do Rio Grande do Sul (UFRGS)

Alejandra Guerrero Barragán (Colombia) – Publication in *Colombian Neurological Association* journal

Jorge Leon Salas (Costa Rica) – Publication in *Age and Aging* journal

Jorge J. Llibre-Guerra (Cuba) – World Federation of Neurology Grant

Elisa de Paula França Resende (Brazil) – World Federation of Neurology Grant

Maira Okada de Oliveira (Brazil) – Publication in *Brazilian Journal of Psychiatry*

Examples of GBHI Collaborative Networks in Latin America and Caribbean

Brazilian Brain Bank

Fellows Interest Group for Latin America and Caribbean

Latin American and Caribbean Consortium on Dementia (LAC-CD)

STRiDE, helping to link dementia resources across Latin America

Working Group on Low Literacy Populations for Brain Health Assessment



Regional stories

PROMOTING BRAIN HEALTH IN THE MEDITERRANEAN

Upon returning to Egypt after completing medical training, Mohamed Salama, MD, a toxicologist, recognized a large gap between neuroscience research and its clinical practice.

“I believe dementia is a multidisciplinary problem,” says Salama, Atlantic Fellow at GBHI. “We need to have people of different backgrounds brainstorming to find new innovative solutions.”

Thus, he has devoted his efforts to bridging this gap. With support from the Ministry of Social Solidarity in Egypt, Salama hopes to develop a longitudinal study of 30,000 people over age 40 to consider physical, mental health, and cognitive measures and how they relate to social and economic data. The study, which he hopes to call AL-SEHA (“Health”), will include elements from an international set of longitudinal epidemiological studies, including the Irish Longitudinal Study on Ageing (TILDA) survey.

In a developing country like Egypt, many do not consider dementia a top health priority. It is often misunderstood as a sign of normal aging.

“Spreading awareness about dementia is an important first step,” says Hany Ibrahim, MD, PhD,

Atlantic Fellow at GBHI and geriatrician from Egypt.

Perhaps the misinformation is related to the high proportion of youth. In a country of 98 million, only four percent (4 million) of its citizens are over 65 years old.

At Ain Shams University Geriatric Hospital in Cairo, Ibrahim is taking steps to help this problem. He has set up a laboratory for cognitive training for people with cognitive disorders.

“Older adults deserve dedicated efforts to preserve and enhance their mental and physical health,” says Ibrahim.

The lab is part of a new coordinated effort, the East Mediterranean Brain Health Initiative, which aims to improve access to brain health technologies across the underserved region. The initiative was co-founded by Ibrahim; Elaine Howard, MSc, Atlantic Fellow and Founder of Dementia Focus from Dublin, Ireland, who is helping to develop new dementia care models; and Stelios Zygouris, MSc, Atlantic Fellow and neuropsychologist from Thessaloniki, Greece, who is helping to create novel, enjoyable, and easy to use computerized tests that can detect early cognitive problems.

“New technologies can promote health equity and universal access to brain health,” says Zygouris.



Mohamed Salama, MD, Atlantic Fellow



Hany Ibrahim, MD, PhD, Atlantic Fellow



Elaine Howard, MSc, Atlantic Fellow



Stelios Zygouris, MSc, Atlantic Fellow

“Spreading awareness about dementia is an important first step.”

—HANY IBRAHIM, MD, PHD, ATLANTIC FELLOW



Regional stories

IMPROVING END-OF-LIFE CARE IN THE UK, NORTH AMERICA, AND BEYOND

As a young physician in New York, Elizabeth Dzeng, MD, observed patients with dementia who were often subjected to unnecessary medical treatments, frequently suffering as a result.

“I felt a great deal of moral distress providing intensive care level treatment when it could not improve their condition,” says Dzeng. “I felt like I was not acting in their best interest.”

As an Atlantic Fellow at GBHI, Dzeng aims to understand why end-of-life care can result in patients with dementia receiving unnecessary treatments, and what can be done to reduce it. To this end, she is comparing dementia care in hospitals in the US, France and the UK.

So far, Dzeng’s research suggests that providers in the US tend to prioritize patient choice, while providers in the UK tend to prioritize treatment benefit. She hopes her work will highlight how the attitudes of medical professionals can be changed to empower people with dementia and their families to make the best choices.

Determining the best choices for the final stages of dementia can be difficult. Atlantic Fellow Corrina Grimes, MSc, who devotes her career to

improving palliative care, recognizes this challenge. She co-leads the Northern Ireland Palliative Care in Partnership Program, whose aim is to design and support the delivery of connected services to improved quality of life at end of life.

“We need to ensure that everyone has the optimal end of life through palliative care,” says Grimes. “Particularly for those with advanced progressive conditions.”

Using a computer screening tool, Grimes is reviewing routine clinical data, including medical notes, to identify people in need of planning and care coordination. She has recruited dozens of medical practices across Northern Ireland to participate.

“We hope (our work) will help to alert general practitioners to the palliative needs of people with dementia,” says Grimes.

As a physician providing healthcare to older adults in her home country, Mexico, Brenda Pérez Cerpa, MD, noticed that comprehensive care of advanced-stage dementia patients was undervalued.

“Palliative care should be considered a fundamental part of the services and care offered to a patient living with dementia,” says Pérez Cerpa.

As an Atlantic Fellow, Pérez Cerpa is evaluating a tool for end-of-life care that could be used by families of individuals with advanced dementia. Set in Guadalajara, Mexico, the study could help families make challenging healthcare decisions at an early stage of dementia.

“Until a new breakthrough development is achieved, patients living with dementia unfortunately will progress to an advanced stage,” says Pérez Cerpa. “Supportive care is fundamental.”

In the US, Krista Harrison, PhD, Atlantic Fellow and Assistant Professor of Geriatrics at UCSF, recognized a lack of knowledge about individuals with advanced dementia who live at home.

“At home, it can be more difficult to access medical and social support,” says Harrison.

As an Atlantic Fellow, she is working to identify palliative care needs for individuals with prion diseases—a rare group of neurodegenerative diseases—and other dementias.

“Optimizing the quality of life for people with dementia living at home and their families requires evidence-based transformation of health systems and health policy,” she says.

To this end, Harrison is developing a palliative care toolkit using the input of caregivers. If successful, the study could develop guidance for palliative care for individuals with prion disease and possibly other dementias, worldwide.

PALLIATIVE CARE IN DEMENTIA

GBHI faculty members Georges Naasan, MD; Christine Ritchie, MD; and Krista Harrison, PhD, are leading a project to identify palliative care needs and end-of-life challenges for people living with dementia. Working with an interdisciplinary team including Atlantic Fellows, they aim to identify educational needs of health care providers, and to develop, test and evaluate a team-based palliative care intervention for people with dementia and their caregivers.



Elizabeth Dzeng, MD, Atlantic Fellow



Corrina Grimes, MSc, Atlantic Fellow



Brenda Pérez Cerpa, MD, Atlantic Fellow



Krista Harrison, PhD, Atlantic Fellow



Georges Naasan, MD

Annual conference highlights

GBHI GATHERS BRAIN HEALTH SPECIALISTS TO FOCUS ON DEMENTIA IN SOUTH AMERICA AND BEYOND

In April 2019, GBHI co-hosted the Alzheimer’s Association International Conference (AAIC) Satellite Symposium in São Paulo, Brazil. The aim was to consider the latest ideas in dementia and the need to create a National Dementia Plan for Brazil, part of the WHO’s goal to make dementia a public health priority.

“From projects rooted in local communities, to national training initiatives and pan national networks, we want to equip leaders with tools to address dementia across Latin America and beyond,” says Lea Grinberg, MD, PhD, Executive Committee Member of GBHI and Associate Professor of Neurology and Pathology at UCSF.

In addition to discussing the unique challenges dementia poses for Latin American countries, the AAIC Satellite Symposium considered a wide range of dementia-related topics, including sleep medicine, gender differences in dementia, and how to reduce stigma about dementia.

Atlantic Fellows Boon Lead Tee, MD, MSc, and Yue Leng, PhD, MPhil, won best posters for their respective projects, “Neurolinguistics Presentation of Chinese Speaking Primary Progressive Aphasia Individuals” and “Sleep Medication Use and Risk of Dementia in a Biracial Cohort of Older Adults.”

Brian Lawlor, MD, Deputy Executive Director of GBHI, says he is hopeful the gathering will emphasize the importance of a public health approach to dementia, and thus strengthen collaborations and innovations. “Together as an activated community, change can be delivered,” says Lawlor.



Atlantic Fellows huddle



Stefania Ilincă, PhD, Atlantic Fellow



Shamuel McFarlane, MBBS, MSc, and Lingani Mbakile-Mahlanza, DPsyc, Atlantic Fellows

The three-day meeting featured contributions from Atlantic Fellows for Equity in Brain Health, including Maira Okada de Oliveira, MSc, who is working to improve diagnosis of dementia among illiterate groups in Brazil, and Bárbara Costa Beber, PhD, who strives to increase awareness of dementia among Brazil’s 40,000 speech and language therapists.



The pilot awards for Global Brain Health leaders

Supported by GBHI, the Alzheimer’s Association, and Alzheimer’s Society UK, the pilot program aims to support emerging leaders in brain health and dementia by funding small-scale pilot projects, activities and/or studies to advance skills, knowledge, and efforts to delay, prevent and/or mitigate the impact of dementia. As Atlantic Fellows return to their home communities, these pilot awards help them to achieve regional impact while maintaining a link to GBHI through mentoring.

Diversity of discipline/profession and region is key to our success. Funded pilots range from advocacy to systems change to applied research. Fellows are addressing challenges with access to care, stigma, social determinants of brain health and education, and more.

EARLY INDICATORS OF IMPACT



Eléonore Bayen, MD, PhD, Atlantic Fellow

Brain Health Matters: Create Optimism and Understanding around Brain Health at School
Eléonore Bayen, MD, PhD, France

This is a creative initiative for children to raise awareness, improve knowledge, and promote better understanding of brain health and dementia prevention. Bayen created a public health campaign, “My Brain Robbie,” that provides free videos and educational materials to encourage healthy lifestyles to mitigate the risk of brain diseases. She piloted the project in 15 classrooms, with 450 children aged 7 to 11 years. The campaign has been well received, with tens of thousands of video views and engagement from the French Education Minister. Bayen is working to translate the materials into multiple languages for expanded dissemination.



Jorge J. Llibre Guerra, MD, MS, Atlantic Fellow

The Cuban Dementia Study among Admixture Populations: A Longitudinal Study
Jorge J. Llibre Guerra, MD, MS, Cuba

This pilot aims to identify the effects of ancestry background on cognitive performance and dementia rates, and to determine the effects of genetics on the relation between ApoE (a protein implicated in Alzheimer’s disease), dementia and cognitive decline. Results from the study suggest that ethnic (black-white) disparities in dementia risk are better explained by socioeconomic differences than genetics. This research raises important issues to be addressed through policy recommendations for access to education and to health care. Llibre Guerra has been awarded funding by the World Federation of Neurology to continue his efforts to address dementia in Cuba.

Year	Awards Funded	Countries Represented	Total Funding
2017–2018	17	Brazil, Cuba, France, Greece, Ireland, Northern Ireland, Spain, and the USA	\$447K
2018–2019	21	Brazil, Colombia, Cuba, Greece, Hong Kong, Ireland, Israel, Jordan, Mexico, Northern Ireland, Taiwan, Turkey, UK, and the USA	\$522K

Pilot awards funded to date

Title	Location	Awardee
Burden and correlates of cognitive performance in Syrian refugees in Jordan	USA/Jordan	Tala Al-Rousan
Multimodal Intergenerational Social Contact Intervention (MISCI)	USA	Phaedra Bell
Factors that contribute to burdensome end-of-life treatments in dementia	UK/USA	Elizabeth Dzeng
The efficacy of speed of processing training in mild cognitive impairment	Turkey	Derya Durusu Emek Savaş
The Alzheimer Café model: a process evaluation study	Ireland	Christine FitzGerald
Feasibility: Identification of those who may benefit from palliative care	Northern Ireland	Corrina Grimes
Building evidence for palliative care for people with prion disease	USA	Krista Harrison
Music and dementia	Ireland	Catherine Jordan
Citizen Brain	USA	Josh Kornbluth
Sleep, cognitive decline and dementia—a comparison between China and the US	USA	Yue Leng
Age-related hearing loss and neural correlates of visual short-term memory	Ireland	David Loughrey
Gut microbiome restoration in elders with HIV-associated cognitive disorder	Mexico	Luis Arnoldo Muñoz Nevarez
Dementia risk charts for use in low- and middle-income countries	Ireland/Cuba	Geeske Peeters
Evaluating a decision aid for families of patients with advanced dementia	Mexico	Brenda Pérez Cerpa
Substance use in early onset Alzheimer’s disease	Colombia	Claudia Ramos
The brain health assessment for diagnosis of MCI-dementia in primary care	Cuba	Ana Margarita Rodriguez Salgado
The costs and burden of informal caregiving for dementia in Brazil	Brazil/USA	Talita Rosa
Cognitive behavioral therapy dyad treatment for insomnia in MCI	Greece	Konstantina Sykara
Primary progressive aphasia assessment in Chinese speakers	USA/Taiwan/Hong Kong	Boon Lead Tee
Family stigma and caregiver burden in early onset dementia	Colombia	Lina Velilla
Circadian rhythm and sleep disturbances in FTD, AD and older adults	Israel/USA	Jennifer Zitser

Funded pilots 2018-2019

Projects

Projects are intended to support an environment of learning. They are awarded to faculty based on mission alignment, potential for fellow engagement, and ability for growth. Typically implemented at founding or regional sites or fellow-affiliated institutions, projects create a unique training environment for Atlantic Fellows while demonstrating GBHI-mission aligned activities.

Project Title	Principal Investigators	Description	Budget
Care Ecosystem	Kate Possin (UCSF)	Creating a supportive care program for people with dementia and their families	\$250,000
Detect	Claire Gillan (Trinity)	Developing an internet-based platform of gamified cognitive tests	\$249,983
hear/say	Jennifer Merrilees (UCSF), Lorina Naci (Trinity), Caroline Prioleau (UCSF), Dominic Trépel (Trinity)	Training fellows to collect oral histories of elders and people with cognitive impairment, producing a book and documentary film	\$250,000
Health and Retirement Study	Rose Anne Kenny (Trinity) & Kristine Yaffe (UCSF)	Harmonizing data across UCSF and Trinity	\$248,217
Impact Positive Emotion	Virginia Sturm (UCSF)	Examining emotional reactivity and mental health symptoms in older adults	\$50,000
Neuro ACE	Jyoti Mishra (UCSF)	Developing a mobile mental health technology that serves real-time, real-world neural and cognitive diagnostics	\$50,000
Neurology Center of Excellence	Anna Chodos & Sergio Lanata (UCSF)	Creating a Neurology Center of Excellence at the San Francisco General Hospital	\$244,926
No Pressure	Sabina Brennan (Trinity)	Establishing if health literacy regarding dementia risk and hypertension can be improved	\$41,052
Palliative Care in Dementia	Krista Harrison & Christine Ritchie (UCSF)	Piloting palliative care in our memory center	\$176,286
PREVENT	Lorina Naci & Brian Lawlor (Trinity)	Establishing suitable intermediate markers of dementia	\$269,800
Traumatic Brain Injury (TBI)	Raquel Gardner (UCSF) & Fiona Wilson (Trinity)	Developing a scalable self-administered TBI screening for diverse older adults at risk of dementia	\$50,000

GBHI projects funded 2015-2018



hear/say training in San Francisco



hear/say training in Dublin

Project highlight: PREVENT

There are no treatments to prevent, delay, or slow the progression of Alzheimer’s disease, the commonest cause of dementia. Lorina Naci, PhD, MSc, GBHI Executive Committee Member and Assistant Professor of Psychology at Trinity, is determined to change this.

“My goal is to combine high-impact basic science with applied research to help improve human life,” says Naci.

Along with Brian Lawlor, MD, Deputy Executive Director of GBHI—as well as top scientists from the University of Edinburgh, Oxford University, Cambridge University, Imperial College London, and Montpellier University—Naci is leading a team of neuroscientists, clinicians, and fellows to find early indicators that suggest an increased risk of the disease.

The project, called PREVENT, is a major initiative in Ireland to identify mid-life risks for later life dementia and—using imaging, genetic, cognitive, and biological tests—characterize early changes of neurodegenerative disease. Early detection of risk

can lead to better diagnoses, potential targets for treatment, and better understanding of the disease.

“In the face of a global dementia pandemic, it is extremely important to understand the nature of the earliest cognitive/functional changes, as well as their biological basis,” says Naci.

Naci works with Atlantic Fellows at GBHI to expand the reach of PREVENT, including Eimer McGlinchey, PhD, who is applying the same research framework to the Down Syndrome population, which has a five-fold increased risk of Alzheimer’s disease; Laura Booi, PhD, who is aiming to identify dementia-related fears and stigma in healthy midlife adults; and Catherine Jordan, PhD, MSc, who is exploring the benefits of music on brain health.

Naci won one of 40 prestigious Provost PhD project Awards at Trinity, including full funding of a four-year PhD student to work with the PREVENT team. The GBHI team’s efforts in PREVENT have been featured in the popular media and are the focus of a feature documentary.

Lorina Naci, PhD, MSc

Project highlight: Care Ecosystem

In dementia, the needs of the patient are complex, and often include medical, social, legal, and financial challenges.

“The majority of the burdens of dementia are carried by the caregiver,” says Katherine Possin, PhD, faculty member at GBHI and Associate Professor of Neurology at UCSF. “They didn’t sign up for this. They weren’t trained for this.”

To help manage issues that can arise, Possin and collaborators from GBHI, UCSF, and the University of Nebraska Medical Center created the Care Ecosystem, a model of collaborative, multidisciplinary dementia care designed to provide personalized, cost-efficient care for persons with dementia and their caregivers.

“We have a responsibility as a society to help those caregivers,” says Possin. “This is what the Care Ecosystem does.”

The Care Ecosystem model includes care team navigators, clinicians with dementia expertise—including nurses, pharmacists, and social workers—and care protocols. The telephone and internet-based intervention is designed to help health systems and clinics provide better care to the growing population affected by dementia and their caregivers.

“We wanted to design a model of care that could reach patients with dementia wherever they live,” says Possin.

To help implement Care Ecosystems in health systems across the U.S., the team is collaborating with Atlantic Fellows for Equity in Brain Health, Talita Rosa, MS, MD; Alissa Bernstein, PhD, MPH; and Krista Harrison, PhD, who bring expertise in global health, medical anthropology, and geriatrics, respectively, empowering the project to scale with sensitivity and flexibility across varied sociocultural and socioeconomic contexts.

As the biggest non-drug randomized clinical trial ever conducted for dementia, Care Ecosystem is redefining dementia care.

“We’re going to work on this until patients across the world are getting better dementia care,” says Possin.



A care team navigator conversing with a family.

Fellows (2016-2018)

GLOBAL REACH

The fellows come from the following regions:

28%	LATIN AMERICA & CARIBBEAN
22%	NORTHERN EUROPE
19%	NORTH AMERICA
18%	MEDITERRANEAN
4%	SOUTHERN AFRICA
4%	EASTERN ASIA
2%	WESTERN EUROPE
1%	SOUTHERN ASIA
1%	WESTERN AFRICA
1%	EASTERN EUROPE

INTER-PROFESSIONAL

The fellows come from a wide variety of clinical and non-clinical professions including:

MEDICINE	LAW
SOCIAL SCIENCE	TECHNOLOGY
PUBLIC POLICY	ARCHITECTURE
HEALTH ECONOMICS	COGNITIVE SCIENCE
JOURNALISM	PUBLIC HEALTH
PERFORMING ARTS	EPIDEMIOLOGY
BUSINESS	FINE ARTS



Rufus Akinyemi Neurology Nigeria, 2018	Mircea Balasa Neurology Spain, 2016	Phaedra Bell Education, Theater USA, 2017	Kirsty Bobrow Public Health & Epidemiology South Africa, 2018	Dominic Campbell Elder Activism Ireland, 2016	Gabri Christa Choreography & Film Curaçao/USA, 2018	Bárbara Costa Beber Speech & Language Brazil, 2016	Walter Dawson Health Policy USA, 2018
Tala Al-Rousan Internal Medicine Jordan, 2017	Nicole Batsch Gerontology USA, 2016	Jane Bentley Music United Kingdom, 2018	Laura Booi Gerontology Canada, 2018	María Carmona-Iragui Behavioral Neurology Spain, 2016	Heidi Clare Music USA, 2016	Krystal Culler Behavioral Health USA, 2017	Myriam De La Cruz Puebla Neurology Ecuador, 2018
Jalayne Arias Neuroethics USA, 2016	Eléonore Bayen Medicine & Health Economics France, 2016	Alissa Bernstein Medical Anthropology & Public Health USA, 2016	Lenisa Brandao Speech-Language Pathology Brazil, 2018	Siobhan Casey Marketing & Business Development United Kingdom, 2018	Laurent Cleret de Langavant Neurology & Statistics France, 2016	Emma Cunningham Geriatrics United Kingdom, 2017	Derya Durusu Emek Savas Neuroscience Turkey, 2017

Fellows (2016–2018)

Elizabeth Dzeng
Sociology & Medicine
USA, 2017

Laís Fajersztajn
Epidemiology
Brazil, 2018

Christine FitzGerald
Psychosocial Research
Ireland, 2016

Miriam Galvin
Social Science &
Health Services
Ireland, 2018

Corrina Grimes
Palliative Care
United Kingdom, 2017

Alejandra Guerrero Barragán
Neurology
Colombia, 2017

Sana-e-Zehra Haidry
Psychology &
Language
Pakistan, 2018

Krista Harrison
Policy & Palliative Care
USA, 2017

Sandra Higuët
Geriatrics
Belgium, 2017

Elaine Howard
Care Models
Ireland, 2016

Agustin Ibáñez
Neuroscience
Argentina, 2018

Hany Ibrahim
Geriatric Medicine
Egypt, 2016

Stefania Ilinca
Health Economics
Romania, 2018

Catherine Jordan
Cognitive Neuroscience
Ireland, 2017

Elissaios Karageorgiou
Neurology &
Neuroscience
Greece, 2016

Ophir Keret
Neurology
Israel, 2018

Emi Kiyota
Environmental
Gerontology
Japan, 2018

Silvia Kochen
Neuroscience
Argentina, 2016

Josh Kornbluth
Comedy & Performance
USA, 2016

Alex Kornhuber
Photography
Peru, 2018
Yue Leng

Epidemiology
China, 2017

Jorge Leon Salas
Neuropsychiatry
Costa Rica, 2018

Jorge Llibre Guerra
Neurology
Cuba, 2016

Mariana Longoria Ibarrola
Psychiatry
Mexico, 2017

David Loughrey
Research Psychology
Ireland, 2017

Jeronimo Martin
Emergency Medicine
Mexico, 2017

Lingani Mbakile-Mahlanza
Neuropsychology
Botswana, 2018

Claire McEvoy
Nutrition &
Public Health
United Kingdom, 2016

Shamiel McFarlane
General Practice
Medicine
Jamaica, 2018

Eimear McGlinchey
Intellectual Disability
Ireland, 2018

Luis-Arnoldo Muñoz-Nevarez
Geriatric Medicine
Mexico, 2017

Maira Okada de Oliveira
Neuropsychology
Brazil, 2018

Rogério Panizzutti
Neuropsychiatry &
Public Health
Brazil, 2016

Elisa de Paula França Resende
Neurology
Brazil, 2016

Stefanie Piña-Escudero
Geriatrics
Mexico, 2018

Maritza Pintado Caipa
Neurology
Peru, 2018

Geeske Peeters
Public Health &
Preventive Medicine
Netherlands, 2016

Brenda Pérez Cerpa
Geriatric Medicine
Mexico, 2017

Claudia Ramos
Psychiatry
Colombia, 2017

Kirti Ranchod
Neurology
South Africa, 2018

Rowena Richie
Art & Education
USA, 2018

Ana Margarita Rodríguez Salgado
Neuropsychology
Cuba, 2017

Lorna Roe
Health Services
Ireland, 2018

Adrià Rofes
Neuroscience
Spain, 2016

Talita Rosa
Health Economics
Brazil, 2017

Mohamed Salama
Neurotoxicology
Egypt, 2018

Fionnuala Sweeney
Journalism
Ireland, 2016

Claire Sexton
Neuroscience
United Kingdom, 2017

Konstantina Sykara
Clinical Psychology
Greece, 2017

Jamie Talan
Neuroscience
Journalism
USA, 2016

Ioannis Tarnanas
Neuroscience &
Computer Science
Greece, 2016

Boon Lead Tee
Neurology
Malaysia, 2017

Lina Velilla
Psychology &
Epidemiology
Colombia, 2016

Dana Walrath
Writing, Art, &
Anthropology
USA, 2018

Fiona Walsh
Architecture
UK/Ireland, 2018

Greg Walsh
Life Sciences Business
UK/Ireland, 2018

Adam Waskow
Animal Therapy &
Training
USA, 2016

Cindy Weinstein
Higher Education
USA, 2018

Wilby Williamson
Sport & Exercise
Medicine
United Kingdom, 2018

Jennifer Zitser
Neurology
Venezuela/Israel, 2017

Stelios Zygoris
Neuropsychology
Greece, 2016

Lina Velilla, MS; Boon Lead Tee, MD, MSc; Phaedra Bell, PhD; and Yue Leng, PhD; Atlantic Fellows

Rufus Akinyemi, MBBS, MSc, PhD, Atlantic Fellow



Leadership, faculty and staff

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Office of the Provost, Trinity
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Chief Science Officer
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Co-Director, GBHI
Professor of Psychology, Trinity
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Executive Director, GBHI
Professor of Geriatric Medicine in Neurology, UCSF

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UCSF
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UCSF
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Behavioral Neurology
UCSF
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UCSF
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UCSF

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UCSF
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UCSF
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UCSF
- Melanie Stephens**
Neurology
UCSF
- Virginia Sturm**
Neuroscience
UCSF
- Marie Theodore**
Administration
UCSF

Faculty and staff cont'd

Steve Thomas Health Policy Trinity	Winnie Tsou Technology UCSF	Beth Whitney Recruitment & Selection Trinity	Stacey Yamamoto Monitoring & Evaluation UCSF
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Dominic Trépel Economics Trinity	Robert Whelan Psychology Trinity	Kristine Yaffe Neuropsychiatry & Epidemiology UCSF	

Partners and affiliates

PARTNERS



AFFILIATES



Atlantic Fellows

The Atlantic Philanthropies established the Atlantic Fellows in 2015 to culminate the foundation's work in the geographies and issue areas in which it historically focused, and its decades of investing in people and in their vision and ability to realize a better world. The seven interconnected Atlantic Fellows programs together create a global community to advance fairer, healthier, and more inclusive societies. Each of the programs is distinct and grounded in its local context, but all share a deep commitment to advancing equity. All programs start with a core fellowship experience and continue with fellows joining the lifelong global community.

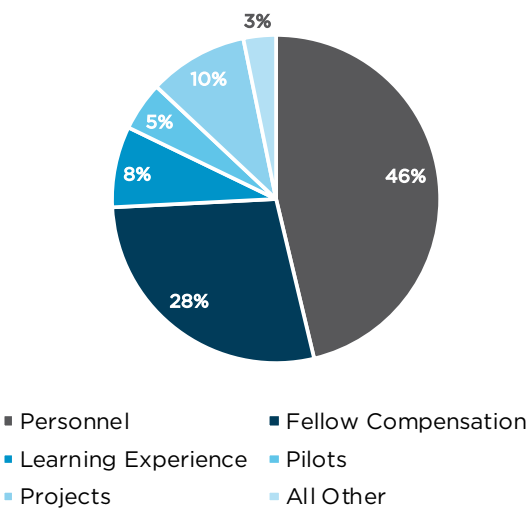
Support

GBHI welcomes partners in philanthropy to secure the success of this unique program. For more information about how to support GBHI, please visit www.gbhi.org/support.

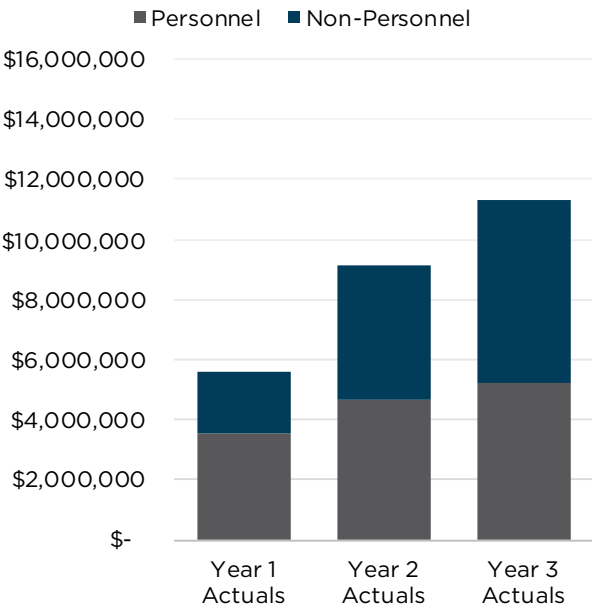
Financials at a glance

2018-19 GBHI YEAR 3 SPEND

Total \$11.3M

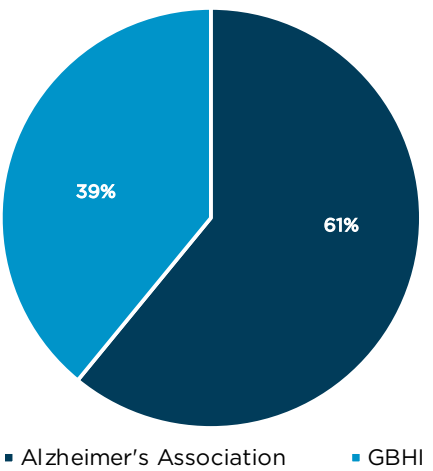


GBHI YEAR 1 TO YEAR 3 GROWTH



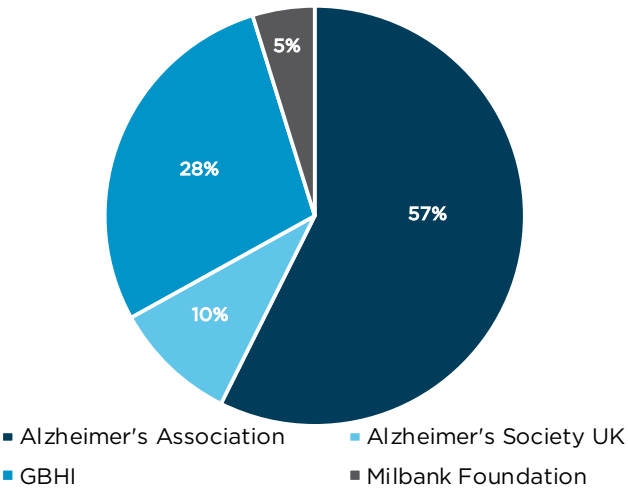
2017-18 PILOT AWARDS SOURCES

Total \$447K



2018-19 PILOT AWARDS SOURCES

Total \$522K



2018-2019 data is representative of GBHI programmatic year 3, fiscal year 2019, from July 1, 2018 to June 30, 2019. The first three years of start-up operations included annual growth in spending, reflecting the recruitment of faculty, staff, and robust Atlantic Fellows cohorts, as well as the ramping up of program implementation and in-residence learning experience. As GBHI enters steady-state operations in years 4 and 5, programmatic focus is shifting to include the alumni network and working towards global impact. *Note that these are unaudited financials.*

Reducing the scale
and impact of
dementia worldwide





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Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

UCSF and Trinity College Dublin are the two founding sites and host institutions for GBHI and the Atlantic Fellows for Equity in Brain Health Program at GBHI, providing critical infrastructure, renowned faculty, and affiliation with two of the leading institutions in brain health research.