

## **Dementia and Brain Ageing in LMICs 2024**

### **Draft Scientific Programme**

3-6 December, 2024  
Nairobi, Kenya  
All times are in East Africa Time (EAT)

**Venue: The Pavilion, Safari Park Hotel**

#### **Tuesday, 03 December**

8:00 a.m. – 10:50 a.m.

#### **READD - ADSP Africa Session I**

- Welcome and Introductions
- Updates READD - ADSP (Cores and Infrastructure)
- READD - ADSP sites

10:50 a.m. – 11:15 a.m.

#### ***Coffee Break***

11:15 a.m. – 1:00 p.m.

#### **READD - ADSP Africa Session II**

- Overview of Community Engagement : Outreach, Recruitment and Retention (ORR) Strategies
- Consensus Diagnosis, Adjudication and Harmonization

1:00 p.m. – 2:00 p.m.

#### ***Lunch Break***

2:00 p.m. – 3:00 p.m.

#### **READD - ADSP Africa Session III**

- Biological Sample Management
- Dementia Biomarkers
- General Discussion

3:00 p.m. – 4:00 p.m.

#### **African Dementia Consortium (AfDC) General Assembly** **Chairs: Rufus Akinyemi (Nigeria), David Ndetei (Kenya)**

#### ***All Welcome!***

- Brief Introductions
- AfDC Mission statement
- Projects
- General Discussion

4:00 p.m. – 4:30 p.m.

#### ***Tea Break***

4:30 p.m. – 5:15 p.m.

### **I. Opening and Welcome**

*Welcome address by convenors Gladys Maestre and Raj Kalaria, followed by opening remarks (~5 min each) by:*  
*Julius Ogeng'o (University of Nairobi),*  
*Rep (MoH Kenya Government),*  
*AA (Claire Sexton),*  
*BMI AKU (Zul Merali),*  
*WFN ADCD (A Gonzalez),*  
*Adesola Ogunniyi (AfDC),*  
*ADOK (Elizabeth Mutungu),*  
*David Ndetei (AFRIMEB- local host).*

5:15 p.m. – 6:15 p.m.

### **Keynote I**

**Richard Brown**, Dalhousie University, Canada  
*Unlocking The Mysteries of the Brain: The contributions of Brenda Milner*

### **Keynote II**

**TBA**, Kenya  
*Physical Activity and Mental Health*

6:45 p.m. – 8:45 p.m.

### **Welcome Reception**

*Poolside, Safari Park Hotel*

## **Wednesday, 04 December**

8:00 a.m. – 9:00 a.m.

### **Survival Skills Breakfast I: Meet the Experts- Mentoring: One on one time with mentors over breakfast**

**Mentors:** Adesola Ogunniyi, Peggy Pericak-Vance, Masafumi Ihara, Ingmar Skoog, Njideka Okubadejo

9:00 a.m. – 10:30 a.m.

### **II. Global Burden and Dementia Risk**

*An overview of aging and dementia in LMIC across the globe, including cultural considerations, strengths in knowledge, emerging challenges and opportunities for collaboration.*

**Chairs:** Adesola Ogunniyi (Nigeria), Maelenn Guerchet (Benin)

#### **Presenters:**

**Cyprian Mostert**, Brain and Mind Institute, AKU, Kenya  
*Brain Economics, Global Cost and Dementia*

**Giancarlo Logroscino**, GBD and Center for Neurodegenerative Diseases and Aging Brain, University of Bari, Italy  
*Global Burden LMICs versus HICs*

**Noeline Nakasujja**, Makerere University, Uganda  
*Aging and Dementia from Ugandan Perspective*

**Riadh Gouider**, AD Centre, University of Tunis, Tunisia  
*FAD in Tunisia and Africa*

**Thomas Issac**, National Institute of Mental Health and Neurosciences, India  
*Dementia in Asia and Modifiable Factors*

**ECR: Lingani Mbakile Mahlanza**, University of Botswana, Faculty of Social Sciences, Psychology Department, Botswana  
*TBI and Risk of Dementia in the Botswana population*

10:30 a.m. – 11:00 a.m.

**Coffee Break and Posters**  
*Poster presentations of submitted abstracts.*

11:00 a.m. – 12:30 p.m.

**III. Vascular and Emerging Factors in Dementia**  
**Chair:** Ingmar Skoog (Sweden), Lingani Mahlanza, (Botswana)

**Presenters:**

**Sonu Baskar**, NCVC, Japan and Global Health Neurology Lab, Australia  
*Cerebral Small Vessel Diseases and Cognitive Dysfunction*

**Majon Muller**, VUmc, Free University of Amsterdam, The Netherlands  
*Cardiovascular Instability in the elderly and Consequences*

**Ingmar Skoog**, Center of Health and Aging (AgeCap), Institute of Neuroscience and Physiology, Sahlgrenska Academy at the University of Gothenburg, Sweden  
*Preclinical vascular dementia. The H70–studies*

**Simon Chen**, University College London, UK and China  
*Air Pollution, Cardiovascular Disease and Dementia*

**ECR: Yared Zedwe**, Addis Ababa University, Ethiopia  
*Vascular Dementia and Risk Factors in Ethiopia, Africa,*

12:30 p.m. – 1.00 p.m.

**Poster Blitz Session I**  
Short presentations (2 min) by first or last authors of the posters -Session A.  
**Chairs:** Majon Muller (The Netherlands), Sonu Bhaskar (Japan)

1:00 p.m. – 2:00 p.m.

**Networking Lunch I: Work and Life Balance**  
**Mentors:** Stella-Maria Paddick (UK), Godwin Ogbole (Nigeria), Morris Freedman (Canada)  
*Discussions about how PIs survive with relevant representatives over lunch.*

2:00 p.m. – 3:30 p.m.

**IV. Biomarkers and Biobanking in Dementia**  
**Chairs:** Thomas Issac (India), Elisabet Englund (Sweden)

**Presenters:**

**Jean Ikanga**, University of Kinshasa, DRC and Atlanta, USA  
*Assessing Biomarkers of Dementia in DRC*

**Henrik Zetterberg**, University of Gothenburg, Sweden  
*Blood Biomarkers: Democratizing Neurodegenerative Disease Diagnostics*

**Barbara Bendlin**, University of Indiana, USA

*Neuroimaging: Portable MRI in Dementia*

**Rufus Akinyemi**, University of Ibadan, Nigeria  
*Relationship Between Hand Grip Strength and Cognitive Impairment Amongst Indigenous Elderly Africans in Ibadan, South-West Nigeria: Data from the Valiant Study*

**ECR: Chinedu Udeh-Momoh**, Brain and Mind Institute, AKU, Kenya  
*Cardiometabolic Risk Factors and Cognitive Function: Under-diagnosis and its Association with cognitive impairment and dementia in multi-ethnic African Cohorts in Kenya and Nigeria*

**ECR: Christopher Musembi**, University of Nairobi, Kenya  
*Ageing and Dementia: Insights from non-canonical animal models*

3:30 p.m. – 3:50 p.m.

**Tea Break and Posters**  
*Poster presentations of submitted abstracts*

3:50 p.m. – 4:30 p.m.

**Vi. Trials in Dementia**  
**Chair:** Raj Kalaria (UK-Kenya), Dana Niehaus (South Africa)

**Presenters:**  
**Masafumi Ihara**, National Cerebral and Cardiovascular Centre (NCVC), Osaka, Japan  
*Drug trials in Dementia: Cilostazol in amyloid removal*

**Felix Potocnik**, University of Stellenbosch, South Africa  
*Overview, Policy, Care and Future Directives of South African Dementia Patients*

4:45 p.m.– 6:45 p.m.

**Vii. FINGERS AFRICA LAUNCH**  
**Chair:** Chinedu Udeh-Momoh (Kenya), Zul Merali (Kenya)  
*Launch of WWFINGERS-AFRICA Project*  
*[Programme under construction]*

6:45 p.m. – 9:00 p.m.

**Networking Reception hosted by BMI AKU**

## **Thursday, 05 December**

8:00 a.m. – 9:00 a.m.

**Skills Breakfast: Journals and Publishing**  
One on one time with global editors from leading dementia journals, over breakfast.  
**Mentors:** Peter Hedera, Thomas Bak, Dana Niehaus, Gladys Maestre, Njideka Okubadejo.

9:00 a.m. – 10:30 a.m.

**VI. Non-AD Neurodegenerative Dementias**  
**Chairs:** Richard Walker (UK) & Njideka Okubadejo (Nigeria)

**Presenters:**

**Njideka Okubadejo**, University of Lagos, Nigeria  
*Genetic Architecture of Parkinson's Disease in Africa: current status, gaps and prospects*

**Peter Hedera**, University of Louisville, KY, USA  
*Practical approach to dementia associated with movement disorders*

**Richard Walker**, Newcastle University, UK  
*NIHR Global Health Research on Transforming Parkinson's Care in Africa (TraPCAf)*

**Elisabet Englund**, University of Lund, Sweden  
*Clinical Features and Pathophysiology of Frontotemporal Dementias*

**ECR: Albert Stezin Sunny**, National Institute of Mental Health and Neurosciences, India  
*Digital Biomarkers in Dementia*

**ECR: Rafi Haddad**, Tel Aviv University, Israel  
*LARK mutations and PD Dementia*

10:30 a.m. – 11:00 a.m.

**Coffee Break and Posters**  
*Poster presentations of submitted abstracts.*

11:00 a.m. – 12:30 p.m.

**VII. Aphasia and Cognitive Assessment (WFN ADCD Session)**  
**Chair:** Aida Suarez Gonzalez (UK), Kamada Lwere (Uganda)

**Presenters:**

**Thomas Bak**, University of Edinburgh, UK  
*The Implications of Linguistic Diversity for Aphasia Assessment & Treatment*

**Aida Suarez Gonzalez**, University College London, UK  
*Clinical Diagnosis of Mild Cognitive Impairment and Dementia*

**Morris Freedman**, University of Toronto, Canada  
*Opportunities for Telemedicine in Dementia in LMICs including Africa*

**Elena Tsoy**, Global Brain Health Institute, UCSF, USA  
*Digital cognitive markers for diagnosis and prognosis of Alzheimer's disease and related dementias*

**Stella-Maria Paddick**, Newcastle University, UK, KCMC, Moshi, Tanzania  
*Verbal Fluency in Cognitive Assessment*

**ECR: Panagiotis Alexopoulos**, University of Patras, Greece  
*Practical Approaches to Evaluating Auditory Function in Individuals with Dementia and Hearing Loss*

12:30 a.m. – 1.00 p.m.

**Poster Blitz Session II**

Short presentations (2 min) by first or last authors of the posters -Session B.

**Chairs:** Eef Hogervorst (UK), Christine Musyimi (Kenya)

- 1:00 p.m. – 2:00 p.m.      **Networking Lunch II: Funding and Capacity Building**  
**Mentors:** Victor Valcour, Gladys Maestre, Riadh Gouider, Shireen Javandel  
*Discussions about how PIs survive with relevant representatives over lunch.*
- 2:00 p.m. – 3:30 p.m.      **VIII. Downs Syndrome and Global Dementia**  
**Chairs:** Eimear McGlinchey (UK), Juan Fortea (Spain)
- Presenters:**  
**Juan Fortea**, Spain  
*Contextualising Down syndrome related Alzheimer's disease*
- Ayda Tefera**, Addis Ababa, Ethiopia  
*Perspective from clinician and family member on Down syndrome in Ethiopia*
- Kirti Ranchod**, Johannesburg, South Africa  
*Down syndrome initiatives across Africa*
- Atholl Kleinhans**, National Cerebral and Cardiovascular Center, Japan  
*Lessons from a Down syndrome awareness project in South Africa*
- ECR: Rachel Maina**, AKU, Nairobi, Kenya  
*Supporting people with Down syndrome in Kenya*
- ECR: Tamlyn Watermeyer**, Northumbria University, UK  
*Neuropsychological assessment for people with Down syndrome*
- 3:30 p.m. – 4:00 p.m.      **Tea Break and Posters**  
*Poster presentations of submitted abstracts.*
- 4:00 p.m. – 5:30 p.m.      **IX. Dementia Care, Policy and Engagement**  
**Chairs:** Victoria Mutiso (Kenya), Louise Robinson (UK)  
**Panelist:** Felix Potocnik, *Quality Standards on Human Rights for Services in Dementia Care*
- Presenters:**  
**Olusegun Baiyewu**, University of Ibadan, Nigeria  
*Dementia, Cognitive Impairment in Oldest Old Nigerians: A 20-year follow up of survivors of Ibadan Study of Ageing Cohort*
- Ameenah Sorefan**, Mental Health, Mauritius  
*Dementia Diagnosis and Post Diagnosis Support in Mauritius*
- Louise Robinson**, Newcastle University, UK  
*Dementia and Primary Care*
- James Kahn**, GBHI, San Francisco, USA  
*Economics and Brain Health*
- ECR: Mataa Mataa**, University of Lusaka, Zambia  
*Care giving, stigma and education of the public*
- ECR: Rachel Alinaitwe**, Makerere University, Kampala, Uganda

*Reliability of Community Health Workers in Detecting and Referring Older Persons with Cognitive Impairment for Care in the Community*

5:30 p.m. – 6.00 p.m.

**IXi. Capacity Building Special Session: Resources and Neuropsychometric Assessment**

**Panel:** Shireen Javandel (USA), Jeremy Tanner (USA), Tamlyn Watermeyer (UK), Stella-Maria Paddick (UK)

6.00 – 6.30 p.m.

**Poster Blitz Session III**

Short presentations (2 min) by first or last authors of the posters -Session C.

**Chairs:** Joshua Akinyemi (Nigeria), Pedro Mena (USA)

8:00 p.m. – 10:30 p.m.

**Symposium Safari Banquet**

*Nyama Choma Ranch*

**Friday, 06 December**

8:00 a.m. – 9:00 a.m.

**Survival Skills Breakfast: HIC-LMIC Collaborations**

One on one time with global leaders in dementia research to discuss best practices for collaboration, over breakfast.

**Mentors:** Rufus Akinyemi, Maelenn Guerchet, Peggy Pericak-Vance, Richard Walker

9:00 a.m. – 10:30 a.m.

**X. Modifiable Risk Factors: Prevention**

**Chair:** Noeline Nakasujja (Uganda), Philip Adebayo (Tanzania)

**Presenters:**

**Sebastian Walsh**, Cambridge Public Health, University of Cambridge, UK  
*A population-level approach to dementia risk reduction (PLADRR)*

**Eef Hogervorst**, Loughborough University, UK & Yuda Turana Atma Jaya University, Indonesia

*The dulling of the senses and Alzheimer's disease*

**ECR: Bernard Mwbele**, Mbeya, Tanzania

*Community Priority Setting in Dementia Risk Reduction in Rungwe District, Mbeya Tanzania: Learning from Akili Mali Project*

**ECR: Joaquin Migeo**, Latin American Brain Health Institute (BrainLat), Universidad Adolfo Ibañez, Chile

*Social exposome and brain health outcomes of dementia across Latin America*

**ECR: Maureen Tshuma**, University of Zimbabwe, Zimbabwe

*An intervention for people with cognitive impairment: Adaptation of the Cognitive Stimulation Therapy Manual for use across Zimbabwe*

10:30 a.m. – 11:00 a.m.

**Coffee Break and Posters**

*Poster presentations of submitted abstracts.*

11:00 a.m. – 12:30 p.m.

**XI. Genetic Factors**

**Chairs:** Peggy Pericak-Vance (USA), Rufus Akinyemi (Nigeria)

**Presenters:**

**Margaret Pericak-Vance**, University of Miami, USA  
*Global Genetics and the READD-ADSP Study*

**Jeffrey Vance**, University of Miami, USA  
*Racial Disparities in Dementia Biomarkers in Africa*

**Diego Sepulveda-Falla**, University of Hamburg, Germany and Colombia  
*Lessons from Autosomal Dominant Alzheimer Disease in Colombia*

**ECR: Nicholas R Ray**, Columbia University, NY, USA  
*Genetic covariance analysis of Alzheimer's disease and stroke implicates PHLPP1 as a shared locus in individuals of African ancestry*

**ECR: Karen Nuytemans**, John P. Hussman Institute for Human Genomics, Miami, USA  
*An African-origin protective haplotype for Alzheimer's disease*

12:30pm – 1:30 p.m.

**XII. Early Career Researchers (ECRs) Session**

Short presentations from ECRs on their best dementia research

**Chairs:** Gladys Maestre (USA), Victor Valcour (USA)

**ECR: Damas Mlaki**, Directorate of Medical Services, Mirembe National Mental Health Hospital, Dodoma, Tanzania,  
*Development and suitability of neuropsychological tests among older adults in Tanzania: Implications of the findings of the Tanzania 2022 Population and Housing Census*

**ECR: Christine Musyimi**, Africa Mental Health Research and Training Foundation, Kenya  
*Dementia stigma reduction in an African setting: A call to policy action*

**ECR: Marija Taneska**, University Clinic of Psychiatry, Skopje, North Macedonia  
*Collaborating for Improved Dementia Care in the Balkans: Insights from North Macedonia's START and NOMAD Projects*

**ECR: Wambui Karanja**, Brain and Mind Institute, AKU, Kenya

1:30 p.m. – 2:00 p.m.

**Poster Blitz Session IV**

Short presentations (2 min) by first or last authors of the posters -Session D.

**Chairs:** Thomas Issac (India), Yared Zwede (Ethiopia)

2:00 pm – 3:00 p.m.

**Networking Lunch III: ISTAART**

Short presentations about opportunities with the International Society to Advance Alzheimer's Research and Treatment.

**Panel:** Claire Sexton (USA), Henrik Zetterberg (Sweden), Derick Mwangi Muturi (Kenya)

3:00 p.m. – 4:15 p.m.

**COSMIC Consortium Meeting (Chairman's Room)**



Cohorts  
**Chair:** Maelenn Guerchet (Benin)  
*[Programme under construction]*

12.30—5.30 p.m.

**Brain Health and Ageing in HIV, a focus on East Africa  
Parallel session and workshop**

This is a co-produced session with academic researchers and representatives of patient advocacy groups in East Africa on brain health research priorities and how we might co design future brain health interventions. All conference attendees are welcome to attend, particularly those engaged in HIV and cognitive impairment research.

**Chairs:** Stella-Maria Paddick (UK), Jaime Vera (UK), Elijah Mwega (Karika Kenya)

3:00 p.m. – 5:30 p.m.

**HIV and Dementia**

**Chairs:** Stella-Maria Paddick (UK), Jaime Vera (UK)

3:00 p.m. – 4:15 p.m.

**HIV, Brain Health and Policy Newcastle University Workshop I**

4:15 p.m. – 4:30 p.m.

**Tea Break**

4:30 p.m. – 5:30 p.m.

HIV, Brain Health and Policy Newcastle University Workshop II

**Upal Roy**, University of Texas Rio Grande Valley, Texas, USA  
*Dolutegravir and Tenofovir Alafenamide Have Associated with More Depressive Symptoms and Premature Aging in People with HIV: A Possible Implication for Low and Middle-Income Countries (LMIC)*

**Deo Benyumiza**, Mbarara University of Science and Technology, Uganda  
*Prevalence of dementia and its association with central nervous system infections among older persons in Northern Uganda – Cross sectional study*

5:30 p.m.

**Close and Farewell**