

## Type 2 Diabetes in African Populations under Transition – The State of the Art

Sub-Saharan African populations in Europe and in Africa are facing an emergence of type 2 diabetes. While demographic changes and urbanization are partially responsible for this development in sub-Saharan Africa, economic transition and lifestyle changes contribute fundamentally. In addition, genetic susceptibility towards type 2 diabetes among individuals of African origin appears to be stronger than among white populations. Not at least, the interactions of environmental and behavioural factors with genetic disposition among African populations, including epigenetic mechanisms of early-life development, seem to be involved.

Given the enormous health and economic burden of type 2 diabetes in sub-Saharan African populations, DIFE organizes this symposium to discuss recent advances in the understanding of type 2 diabetes among African populations under transition.

## Information and Registration

### Registration

Participation is free, but registration is mandatory via our website  
[www.dife.de/veranstaltungen/DiaTransAfrica](http://www.dife.de/veranstaltungen/DiaTransAfrica)

### Abstract Submission

Please submit your structured abstracts (max. 350 words) to the organizing office  
[DiaTransAfrica@dife.de](mailto:DiaTransAfrica@dife.de)

**Deadline for  
Abstract  
Submission:  
May 15, 2016**



### Location

Conference Center  
German Institute of Human Nutrition  
Potsdam-Rehbruecke  
Arthur-Scheunert-Allee 114-116  
14558 Nuthetal, Germany

### Contact

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## Type 2 Diabetes in African Populations under Transition – The State of the Art



German Institute of Human Nutrition

**June 7 – 8, 2016  
Potsdam-Rehbruecke**

**Program, 07 June 2016**

11:15-11:30

**Welcome and Introduction**

*Tilmann Grune (DIfE), Ina Danquah (DIfE)*

11:30-13:00

**The burden of type 2 diabetes in African populations under transition**

Morbidity and mortality of type 2 diabetes in sub-Saharan Africa

*Eugene Sobngwi (University of Yaoundé)*

Burden of type 2 diabetes in migrant populations

*Karien Stronks (AMC, Amsterdam)*

Public health implications of the costs of type 2 diabetes in sub-Saharan Africa

*Maimouna Ndour Mbaye (Cheick Anta Diop University, Dakar)*

13:00-14:00 **Lunch Break**

14:00-16:00

**Risk factors of type 2 diabetes in African populations under transition**

Genetic risk factors of type 2 diabetes in populations of African origin

*Charles Rotimi (NIH, Bethesda)*

Nutrition transition in sub-Saharan Africa

*Helène Delisle (University of Montreal)*

**Risk factors of type 2 diabetes in African populations under transition, continued**

Nutrition transition in African migrants in Europe

*Cecilia Galbete Ciaurriz (DIfE, Potsdam)*

Objectively measured physical activity and type 2 diabetes in sub-Saharan Africa

*Dirk Lund Christensen (MRC Epidemiology, Cambridge)*

16:00-16:30 **Coffee Break**

16:30-17:30 **Oral Session 1**

Presentation 1 (10 min + 5 min)

Presentation 2 (10 min + 5 min)

Presentation 3 (10 min + 5 min)

Presentation 4 (10 min + 5 min)

**Program, 08 June 2016**

9:00-10:30

**Double Burden of Disease**

Early-life experiences and type 2 diabetes in adulthood

*N.N.*

Interaction between HIV and type 2 diabetes

*Dinki Levitt (University of Cape Town)*

Interaction between tuberculosis and type 2 diabetes

*Julia Critchley (St. Georges University, London)*

10:30-11:00 **Coffee Break**

11:00-12:00 **Oral Session 2**

Presentation 5 (10 min + 5 min)

Presentation 6 (10 min + 5 min)

Presentation 7 (10 min + 5 min)

Presentation 8 (10 min + 5 min)

12:00-13:00

**Obesity measures and type 2 diabetes in African populations**

Optimal obesity measures and the role of adipokines

*N.N.*

Metabolically healthy obesity in African populations

*Ina Danquah (DIfE, Potsdam)*

13:00-14:00 **Lunch Break**

14:00-15:30

**Future Directions: Research, prevention and intervention**

African Partnership for Chronic Disease Research (APCDR)

*N.N.*

Community-based prevention programs in sub-Saharan Africa

*André Pascal Kengne (MRC, Cape Town)*

The feasibility of reversing type 2 diabetes: the Barbados Diabetes Reversal Study

*Nigel Unwin (University of the West Indies, Barbados)*

15:30 **Farewell**