

## *Finding Scientific Common Ground and Collegiality in Warsaw*





# ***Dr. Maciej Banach***

**Professor at Medical University of Lodz**

- **Undersecretary of State at Ministry of Science and Higher Education of Republic of Poland (2010-2012).**
- **Head of Department of Hypertension at Medical University of Lodz**
- **Chair of Nephrology and Hypertension, at WAM University Hospital in Lodz, Poland**
- **Head of Polish Lipid Association (PoLA) of Hypertension**
- **Editor-in-Chief of the *Archives of Medical Science* and many other editorial responsibilities**

# *Dr. G. Alexander Fleming*

**President and CEO, Kinexum**

- **Served for 4 years at NIH and 12 years at the FDA with responsibility in the therapeutic areas of metabolic and endocrine disorders, growth and development, nutrition, lipid-lowering compounds, and reproductive indications**
- **Developed number of FDA policies, procedures, and initiatives and was assigned to the World Health Organization, Geneva, during 1991-92.**
- **Member of four expert working groups of the International Conference on Harmonization (ICH).**

# *Professor Tadeusz Parnowski*

**Professor, Institute of Psychiatry and Neurology**

- **Head, Second Psychiatric Department**
- **Former president of Polish Alzheimer Foundation**
- **Supported by Polish-Australian Foundation POL-KUL**
- **Co-founder of Polish Alzheimer's Society**
- **President of Polish Psychogeriatric Association.**

# *Dr. Duncan Dartrey Adams*

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**Professor, Faculty of Medicine, University of Otago New Zealand**

- Long career in research on the
  - aetiology of asthma
  - use of radioactive iodine in thyroid research under Dr HD Purves
  - The cause of Graves' disease, discovering the thyroid-stimulating autoantibodies.
  - Autoimmunity in MRC Autoimmunity Research Unit

# *Dr. Glenn D. Prestwich*

**Professor, University of Utah**

- **Created and directs the Entrepreneurial Faculty Scholars program and is Presidential Professor of Medicinal Chemistry and Presidential Special Assistant for Faculty Entrepreneurism at the University of Utah.**
- **Research encompasses drug discovery in cell signaling, synthetic matrices for regenerative medicine, and glycosaminoglycan derivatives as anti-inflammatory agents.**
- **Co-founded 8 companies**
- **He received the Governor's Medal for Science and Technology and many others**

# *Dr. Alloys S. S. Orago.*

**Professor, Kenyatta University**

- **Professor of Clinical Immunology and Epidemiology of Infectious Diseases**
- **Executive Director, the National AIDS Control Council**



**We come together now understanding  
that chronic diseases share one or  
more pathophysiologic roots**

- **Autoimmunity**
- **Carcinogenesis**
- **Infection**
- **Metabolism**

We do need to get beyond indications that just palliate the late stage manifestations of a complex disease.

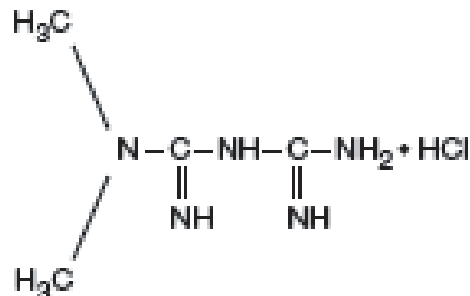
Rx only

**GLUCOPHAGE®**  
(metformin hydrochloride) Tablets

## INDICATIONS AND USAGE

GLUCOPHAGE is indicated as an adjunct to diet and exercise to improve glycemic control in adults and children with type 2 diabetes mellitus

SMILES: CN(C)C(=O)NC(=O)N



An iceberg floating in dark blue water. The tip of the iceberg is above the water line and is labeled 'Diabetes and Obesity' in red text within a yellow-bordered box. The much larger part of the iceberg is submerged below the water line and is divided into three horizontal layers. The top layer is labeled 'Metabolic Syndrome' in blue text within a pink box. The middle layer is labeled 'Pre-Diabetes' in blue text within a yellow box. The bottom layer is labeled 'Aging' in white text within a black box.

## Diabetes and Obesity

Metabolic  
Syndrome

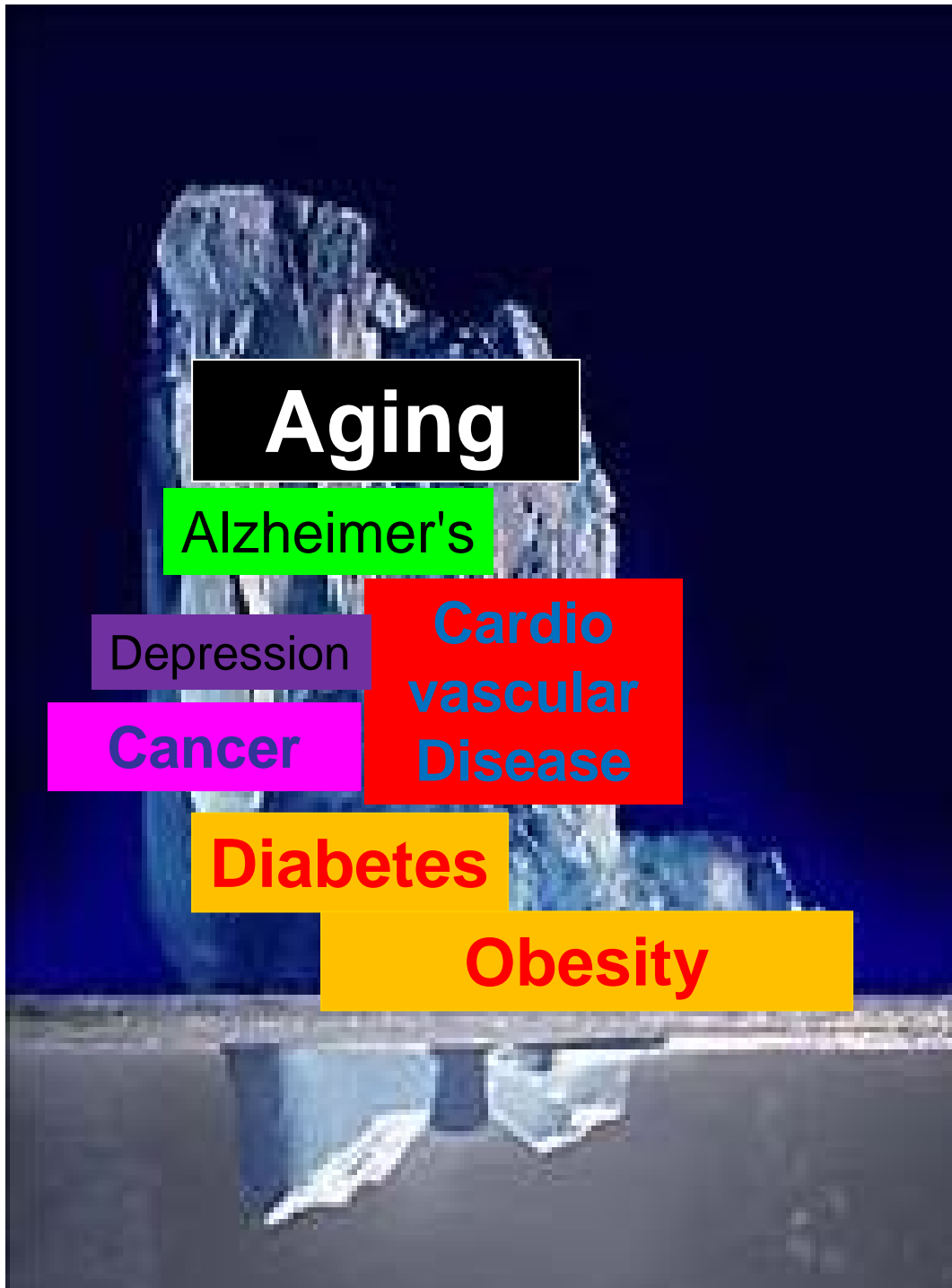
Pre-  
Diabetes

Aging

An Example of a  
Population Targets  
for Therapeutic  
Development:

Diabetes and  
obesity are the  
easily identifiable  
populations that  
we treat when they  
reach late stages.

Let's look at it in  
another way-



**Aging**

**Alzheimer's**

**Depression**

**Cancer**

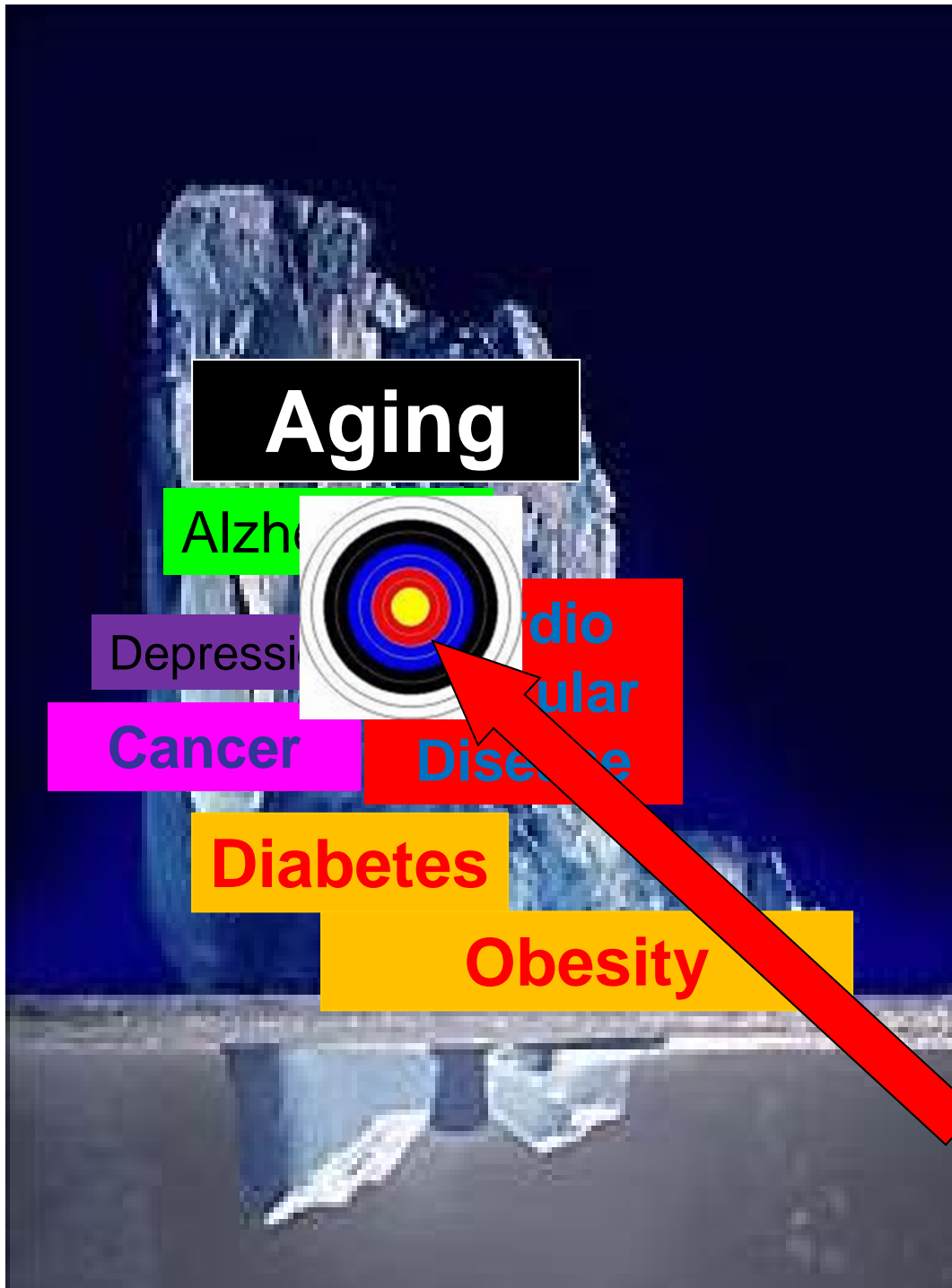
**Cardiovascular Disease**

**Diabetes**

**Obesity**

**Increasing evidence points to the importance of metabolic and nutritional factors as root contributors to most causes of mortality.**

**These risk factors can be eliminated or modified.**



What could we call this constellation of metabolic and nutritional disorders, which could be targeted with one or more therapies?

How about?....

**“Metabesity”**

