

Life-changing
Discoveries

NURITAS

EMMET BROWNE

November 2017

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**HORIZON 2020
WP2018-2020**

Food, Agriculture, Blue
Growth, Bioeconomy
H2020 SC2 InfoWeek
14-17 Nov. 2017

#InvestEUresearch
#H2020SC2

European
Commission

Our Mission

Improving the lives of
billions of people worldwide
through the predicted
discovery of
Bioactive Peptides

Global & worsening health crisis...

...Peptides deliver real hope



Global disease epidemic



Ageing population



Burgeoning costs



Growing population



Traditional drug therapies untargeted



Heightened consumer awareness

NURITAS

Uniquely discovering bioactive peptides with an incredible array of health benefits... *and more to come*



Anti-inflammatory



Anti-diabetes



Muscle recovery & growth



Anti-oxidation



Cardiovascular health



Anti-aging



Oncology

Nature has provided
the solution



Pioneering a step-change in peptide discovery

NURITAS

Traditional discovery methods



Time consuming
5-7 YEARS



Inefficient
0.1% CHANCE



Incredibly expensive
€35 + MILLION

The Nuritas Way



Based on Artificial Intelligence



Nuritas: The solution

Pioneering a step-change in peptide discovery

NURITAS

Traditional discovery methods



Time consuming
5-7 YEARS



Inefficient
0.1% CHANCE



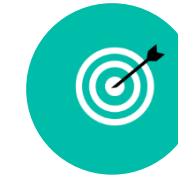
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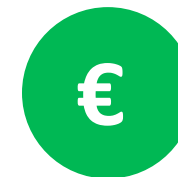
The Nuritas Way



Unrivalled speed
10X FASTER*



More accurate
500X MORE*



Cost efficient
LESS EXPENSIVE*

>\$1 trillion global market opportunities-
Our patented peptides have a role in each

NURITAS



Pharmaceuticals



**Functional
Food**



**Nutrition &
Supplements**



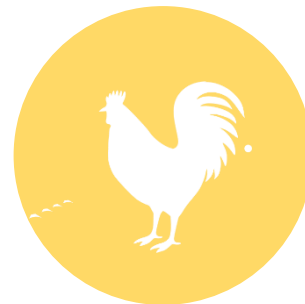
**Medical
Food**



Dermatology



Plant Health

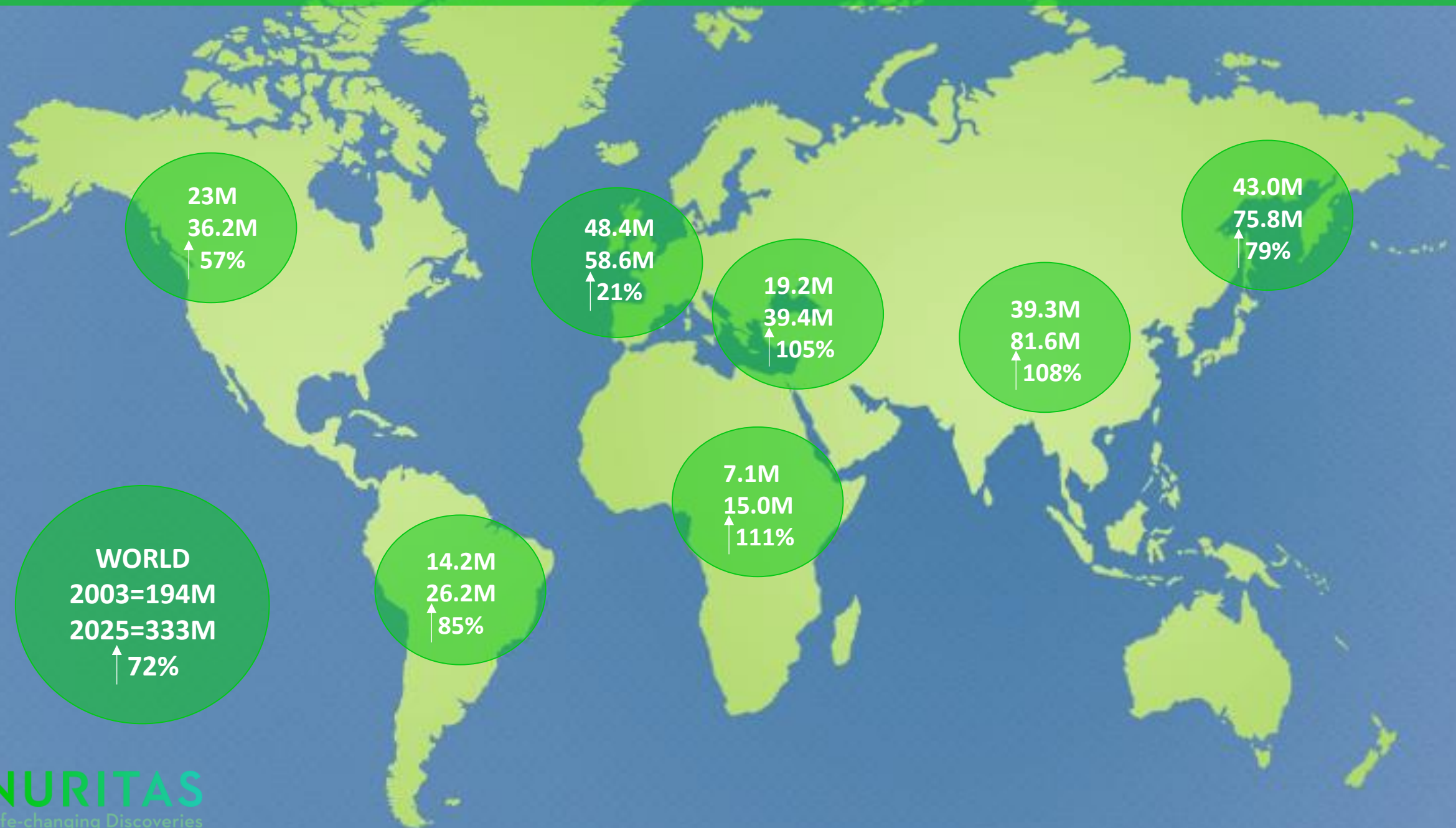


Animal Health

3. Glucose Regulation



Global Projections for the Diabetes Epidemic 2003-2025





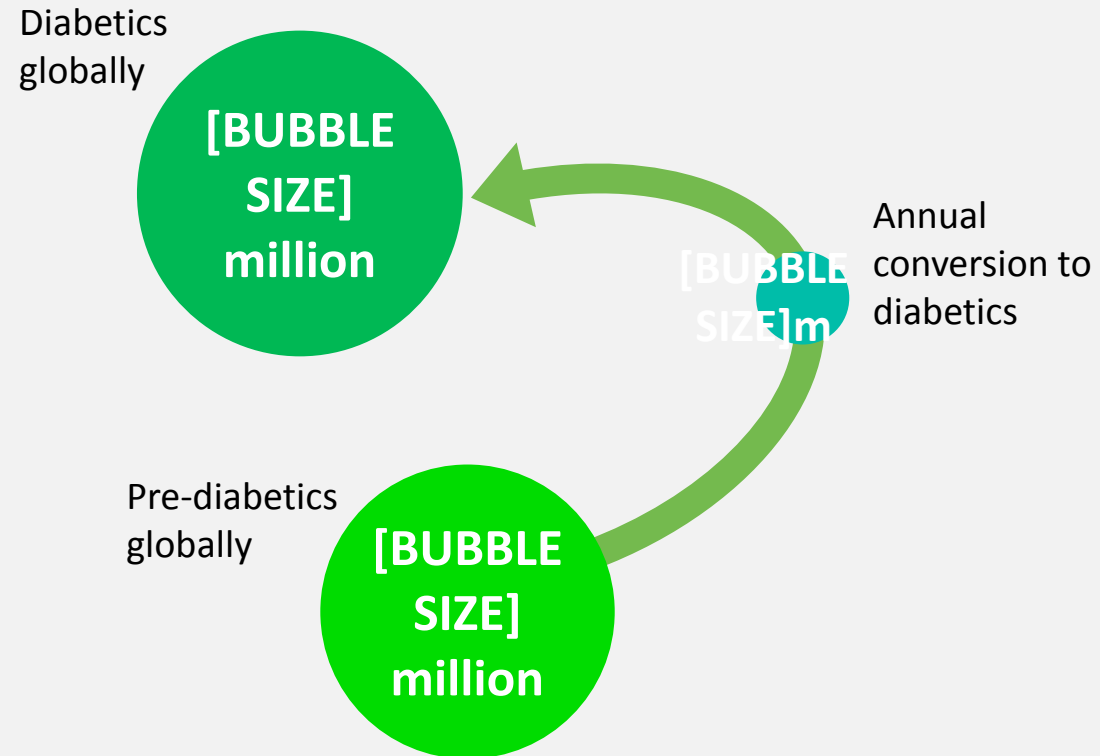
IF DIABETES WERE **A COUNTRY**, IT WOULD BE THE





Nuritas Retain and Develop LIVE example – NURITAS

Solving the global diabetes epidemic...



“Nuritas awarded €3m EU grant to commercialise a peptide for the fight against Type 2 diabetes”





Pre Diabetes Ingredient

Pre-Clinical In vitro testing: Sample Results
 Pre Diabetes Ingredient / Asset (1 of 2 peptide networks)

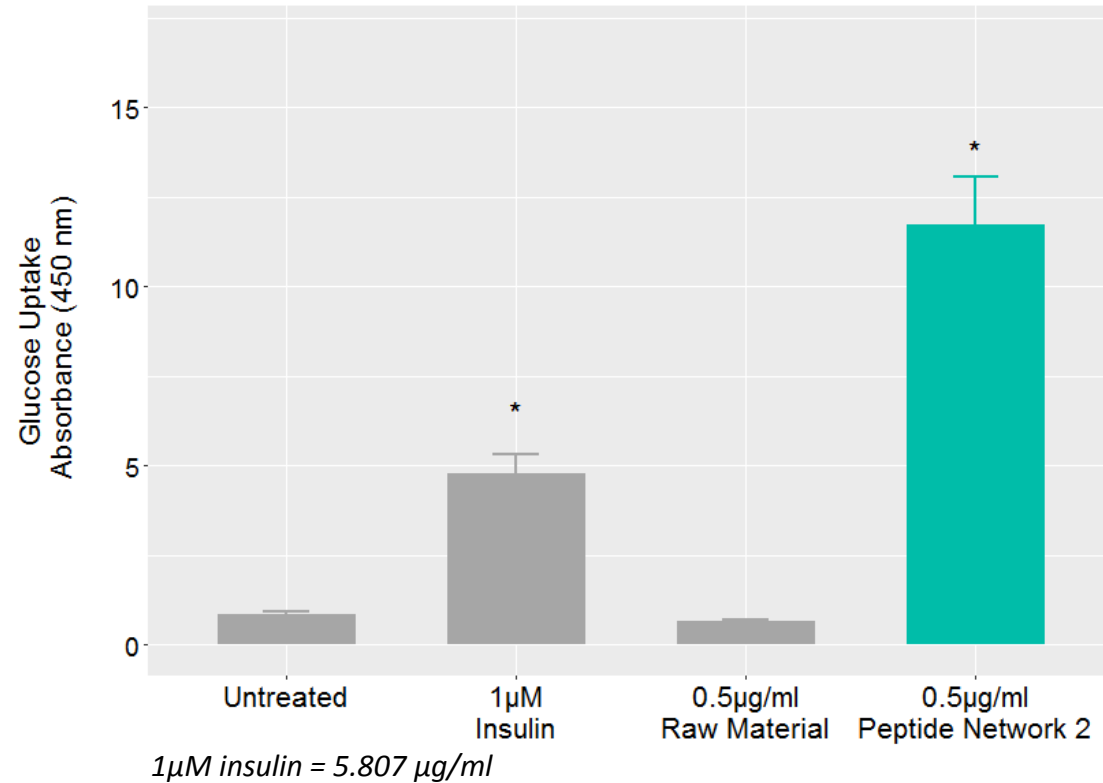


Figure 3: Glucose uptake in Human Skeletal Muscle Cells

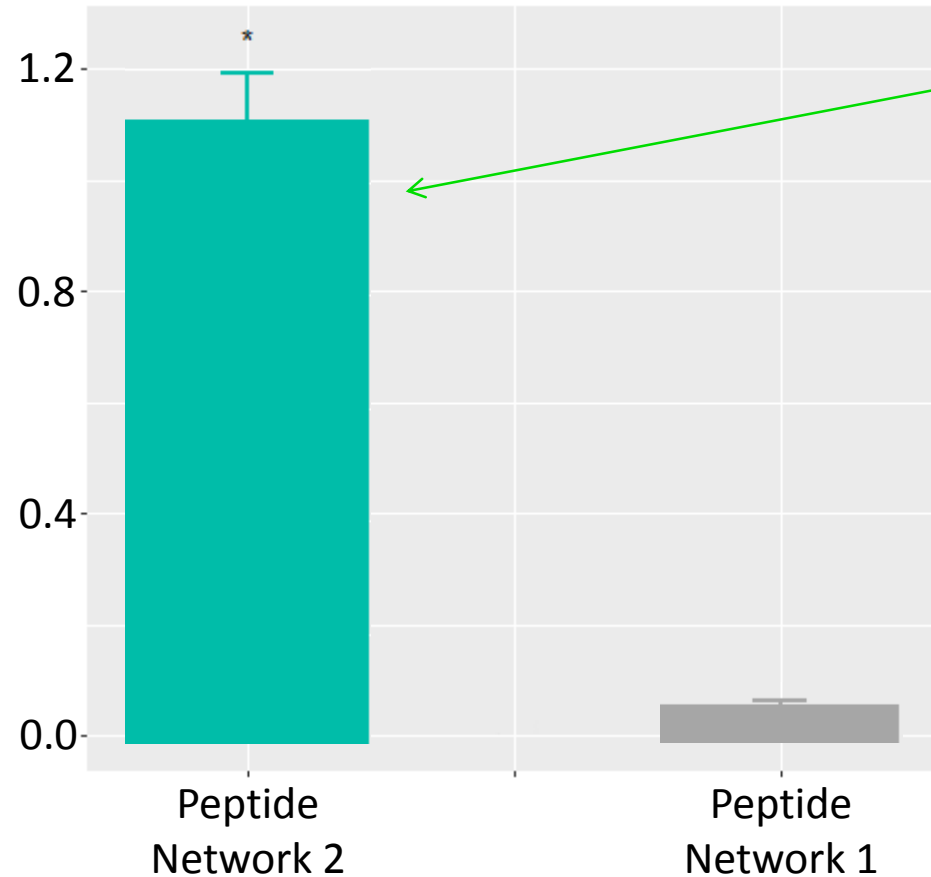


Pre Diabetes Ingredient

Pre-Clinical In vivo testing: Sample Results

Pre Diabetes Ingredient / Asset (1 of 2 peptide networks)

Step 4



NURITAS

Overall Nuritas Peptides decrease HbA1c by 1.1%

A 1% reduction in HbA1c translates to¹:

- ↓ Diabetes-related deaths by 21%
- ↓ Risk of microvascular complications by 37%
- ↓ Myocardial infarction by 14%.

¹Bonora E, et al. Diabetes; 47:1643–1649

NURITAS

Life-changing Discoveries

What H2020 grant meant to Nuritas

November 2017

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