



Shaping the Future

Nestlé Research World-Wide

Werner Bauer
Chief Technology Officer

This presentation contains forward looking statements which reflect Management's current views and estimates. The forward looking statements involve certain risks and uncertainties that could cause actual results to differ materially from those contained in the forward looking statements. Potential risks and uncertainties include such factors as general economic conditions, foreign exchange fluctuations, competitive product and pricing pressures and regulatory developments.

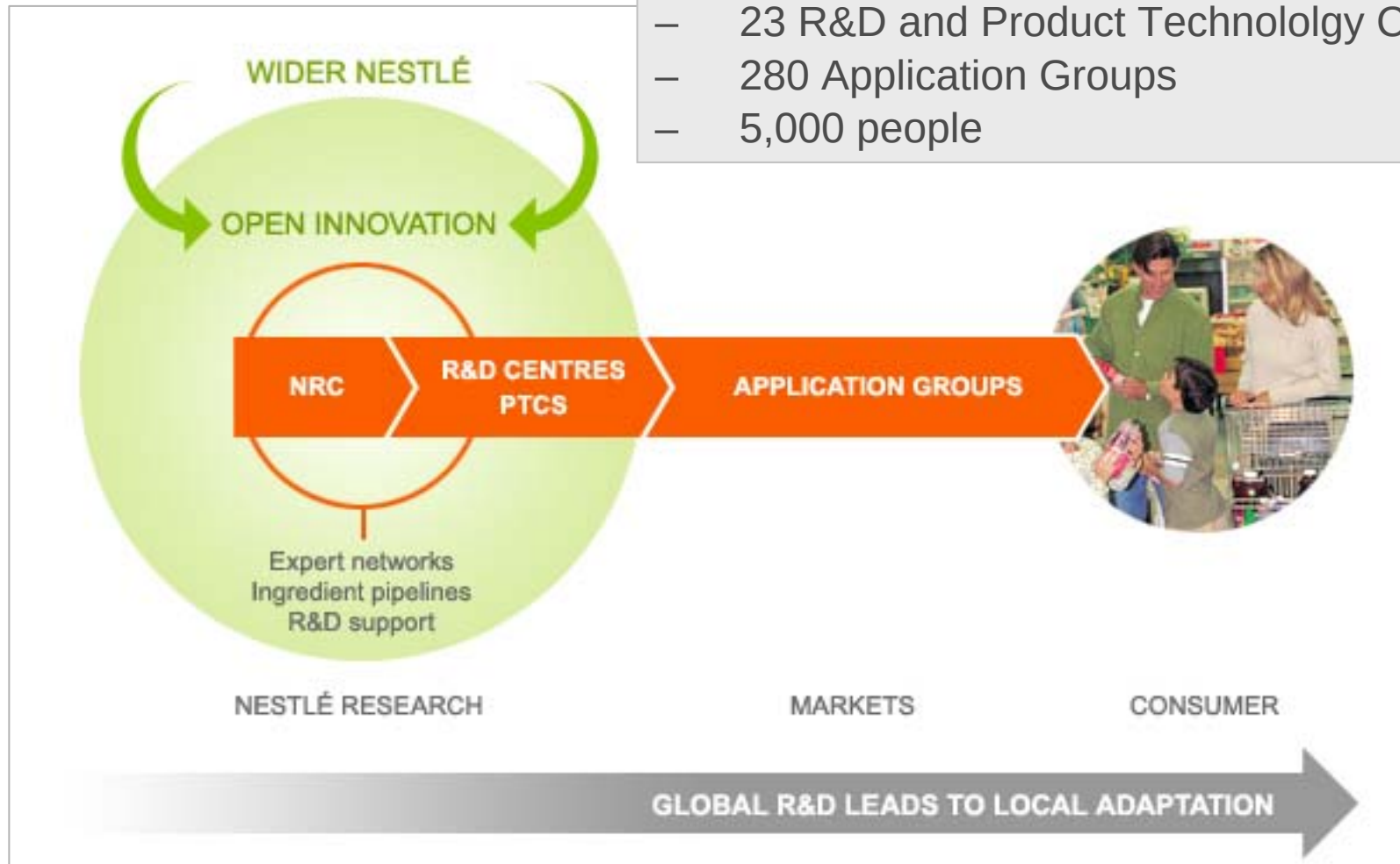
Nestlé's four competitive advantages

- Products and brands
- Industry-leading R&D capability
- Geographic presence
- People, culture, values



Nestlé R&D World-Wide

- Nestlé Research Centre in Lausanne
- 23 R&D and Product Technology Centres
- 280 Application Groups
- 5,000 people

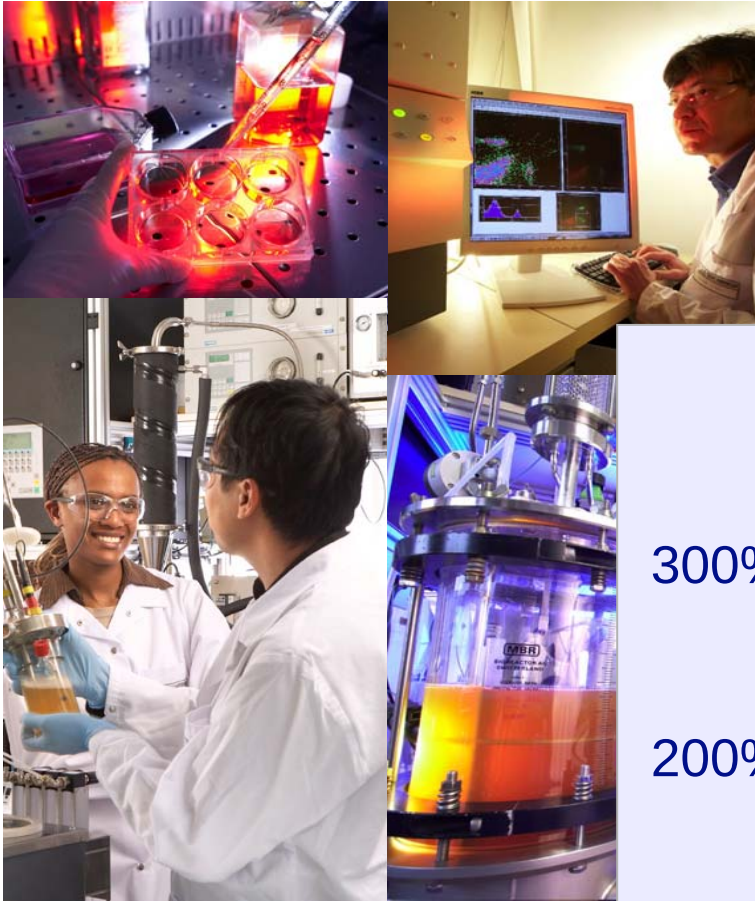


R&D Global Network

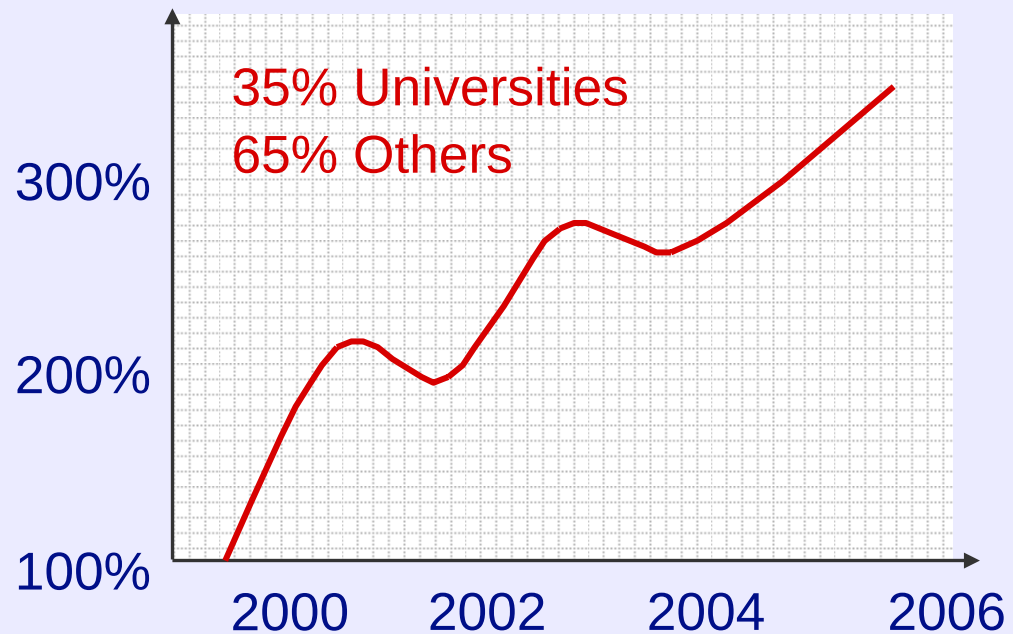
Science and Research



Partnering in science: External Partners play increasingly an important role



3-fold increase in scientific collaborations since 2000



Collaborations with leading universities



The Broad Institute of MIT and Harvard: [Inflammation](#)



Ecole Polytechnique de Lausanne: [Cognition](#)



Eidg. Technische Hochschule Zürich: [Food Science](#)



Imperial College London: [Metabonomics](#)



McMaster University: [Gut Health](#)



Purdue University: [Food Science](#)



Technische Universität München: [Nutrigenomics](#)



Shanghai Jiao Tong University: [Functional Foods](#)



Université Paris René Descartes: [Nutrition](#)



Wageningen University: [Food Safety](#)

Consumer Benefit Platforms drive innovation for all businesses

Health

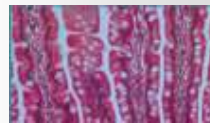
Performance



Growth and Development



Healthy Ageing



Weight Management



Protection



Digestive Comfort



Healthy Recovery



Skin Health and Beauty



Taste, Texture and Convenience

Consumer sensory and perception



Attractive product attributes



Quality and Safety

Product safety



Product compliance

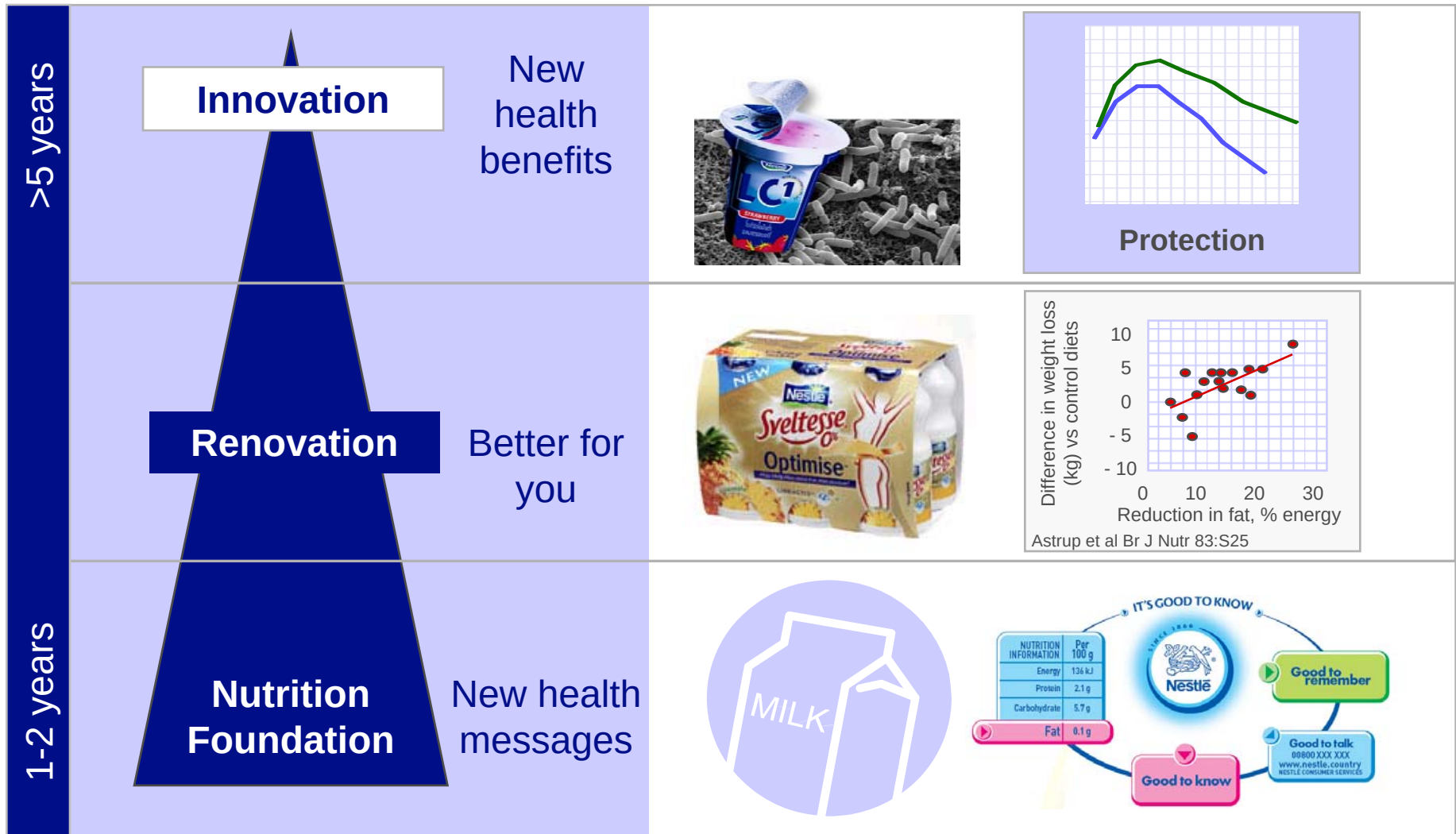


Product consistency



Nestlé is strongly positioned to address the challenge

- R&D leadership in the science of food and nutrition
- Credibility with scientific and medical community
- Skill in gaining consumer insight
- Strong, global brands
- Broad product portfolio
- Nestlé people - A key asset



- Define limits of public health sensitive nutritional factors in our products
 - saturated fat, trans-fatty acids, sodium, added sugars, energy density...
- Identify intrinsic strengths and weaknesses of our products
- Provide a basis for product renovation and innovation



Increase
(calcium, iron,
vegetables,
proteins...)



Reduce
(fat, sugar, salt...)



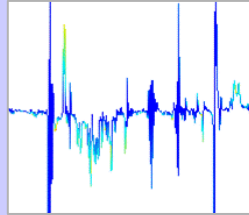
Add or Replace
(wholegrain, BAB...)

Shaping the future of foods

Today



Tomorrow



Personalised
Nutrition



Brain Health



Nutrient
Bioavailability

The Future



Foods that better
meet consumer
needs for nutrition,
health and wellness

Nestlé Nutrition Council: Established in 1978

Members

Prof. Dominique BELLI, CH

Prof. Bruce BISTRAN, USA

Prof. Günter BLOBEL, USA

Prof. Julio FRENK, Mex

Prof. Susan GASSER, CH

Prof. Michael GIBNEY, EIR

Prof. Eric JÉQUIER, CH

Prof. Demetre LABADARIOS, SA

Prof. Tadashi NOGUCHI, Jp

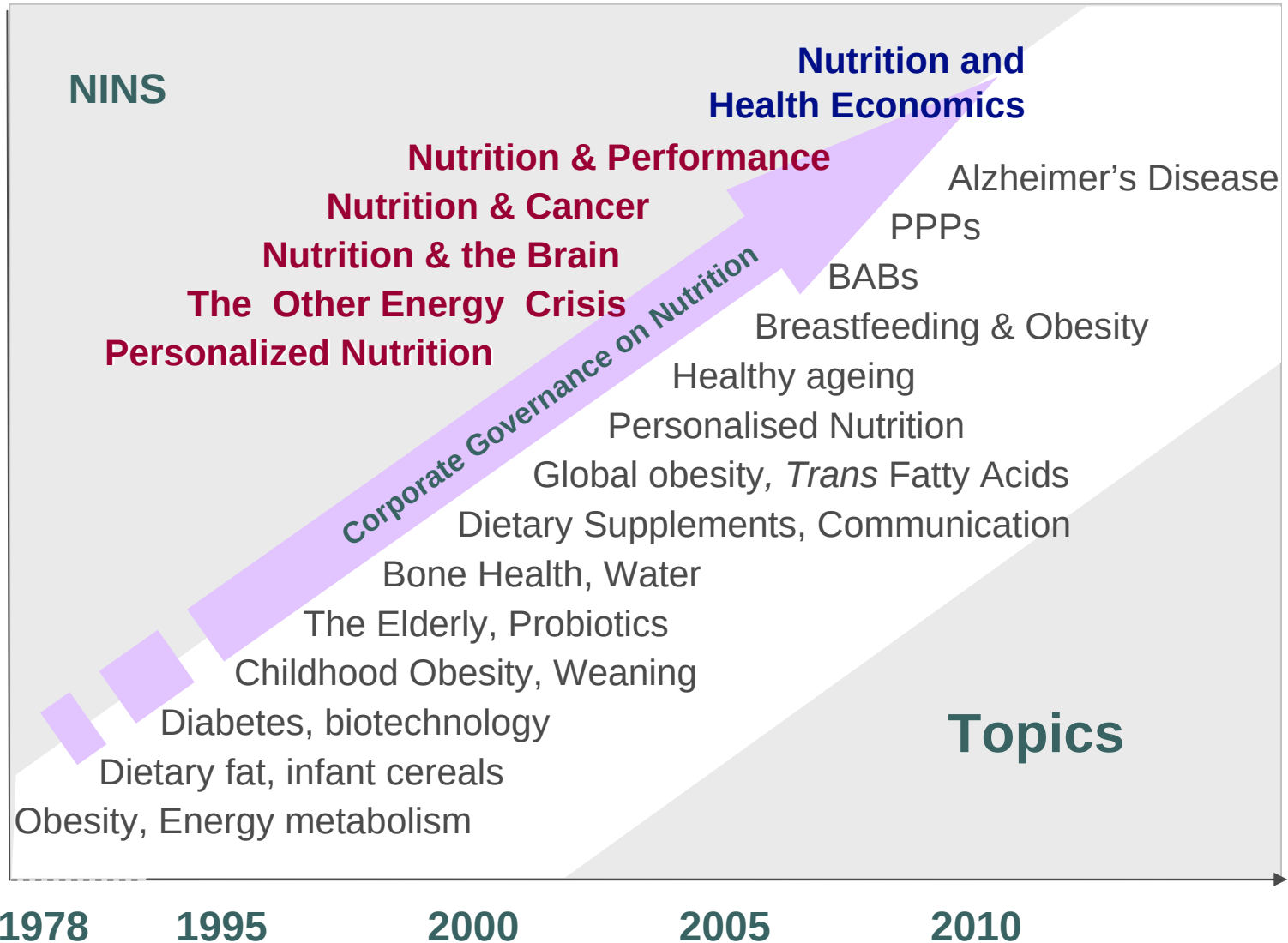
Prof. Irwin ROSENBERG, USA

Prof. Bruno VELLAS, Fr

- Nutrition
- Food Safety
- Policies
 - Food Fortification
 - Whole Grain
 - Trans Fatty Acids
 - Sugar
 - Salt
 - Iron
 - Obesity
 - Glycemic Index
 - Low-Carbohydrate Diets



Nestlé Nutrition Council: 30 years of guidance to Nestlé

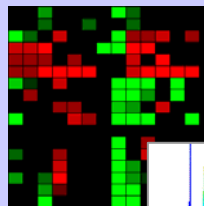


Nestlé's Research commitment to Personalised Performance Nutrition

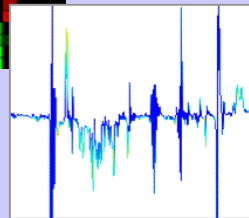
Today



Tomorrow



Gene
expression



Metabolic profile

The future



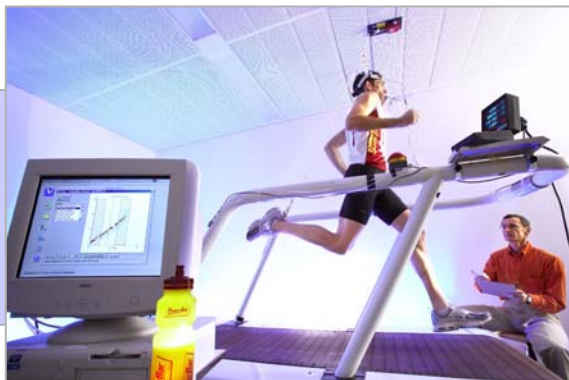
The right blend of glucose and fructose during cycling

- Increases carbohydrate delivery to muscles
- Improves cycling performance



C2 MAX
higher-octane
carb blend

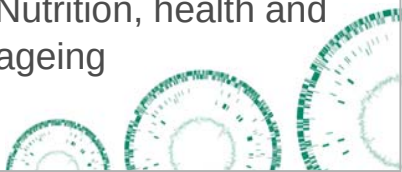
▪ More sustained
energy to muscles*



Can runners enjoy the same benefits?

Seeing the opportunity

- Molecular perspectives of muscle development
- Early intervention for life-long performance
- Peak physical performance
- Nutrition, health and ageing



Science Translation



Setting priorities for future research

2009: Nutrition and Health Economics



- 2008: Nutrition and Performance
- 2007: Nutrition and Cancer
- 2006: Nutrition and the Brain
- 2005: Nutrition and Energy
- 2004: Personalised Nutrition



Thank you