Nestlé Investor Seminar 2007





Nestlé Research The Engine for Nutrition, Health and Wellness

> Prof. Dr-Ing. Werner Bauer Chief Technology Officer

Nestlé

Disclaimer

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 Research The Engine for Nutrition, Health and Wellness





Prof. Dr.- Ing. Werner Bauer Chief Technology Officer

Nestle Research *+****



Our competitive advantage is ...



... a clear vision for the future, based on superior science and consumer understanding



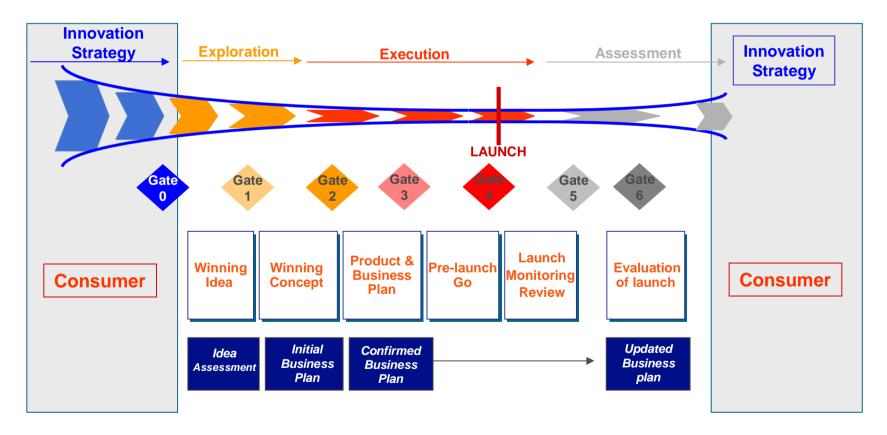


Good Food – Good Life!





... flawless execution that starts and ends with consumers ...



Above all, we have ...





... a strong <u>Nutrition Business</u> at the core of our Food and Beverage Business to strengthen

- our science-based development
- the reach of Nestlé Research
- the consumer-centric approach



Nestlé Nutrition is the catalyst for superior research



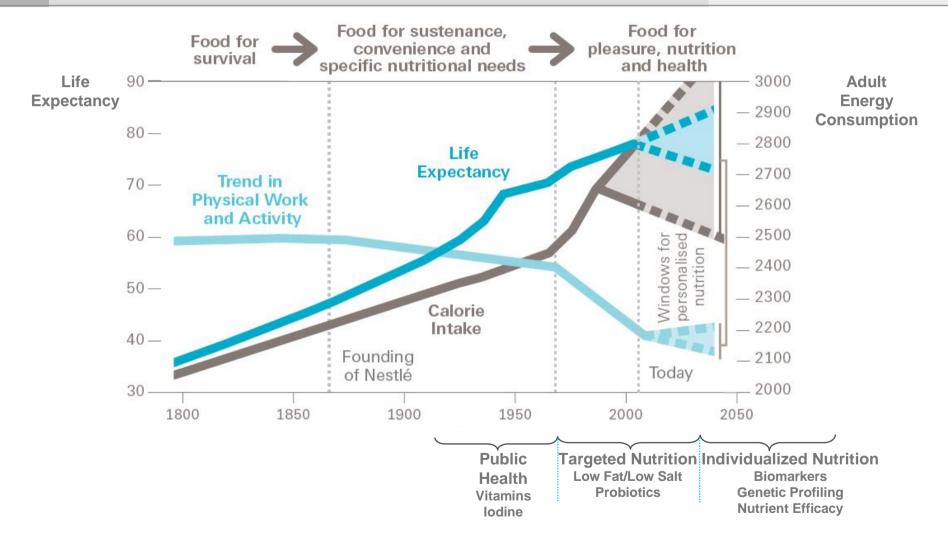


Food & Beverage Business



Changes in nutritional concepts

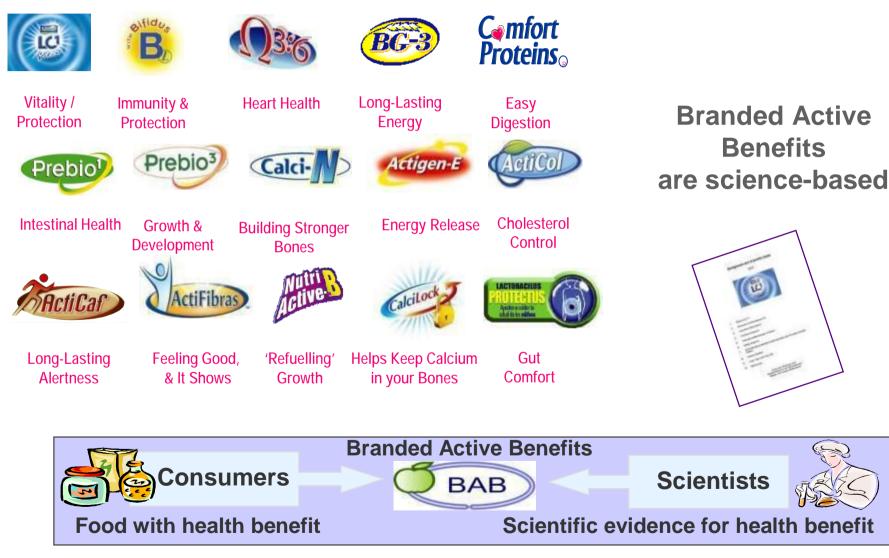




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In Nestlé products, health benefits are provided by science





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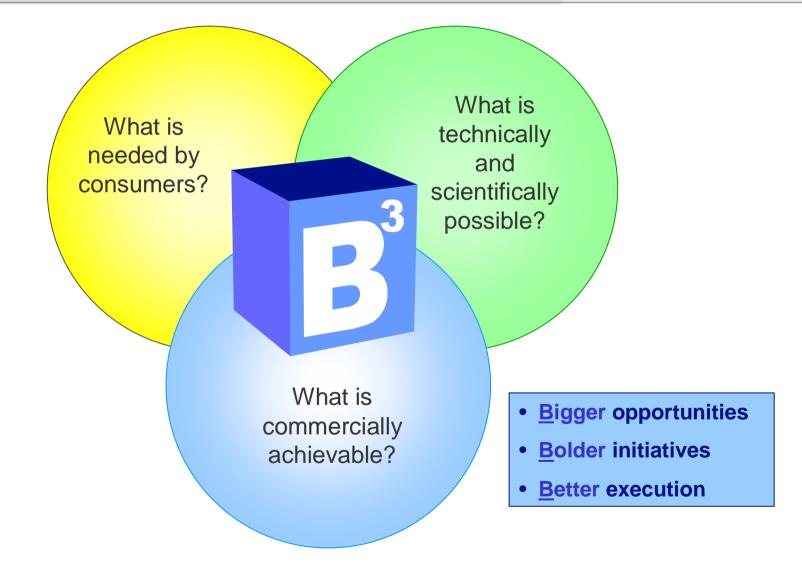
How do we make it happen ?



11 / June 2007

The Nestlé Innovation Model





Success factors for Bigger, Bolder, Better innovation



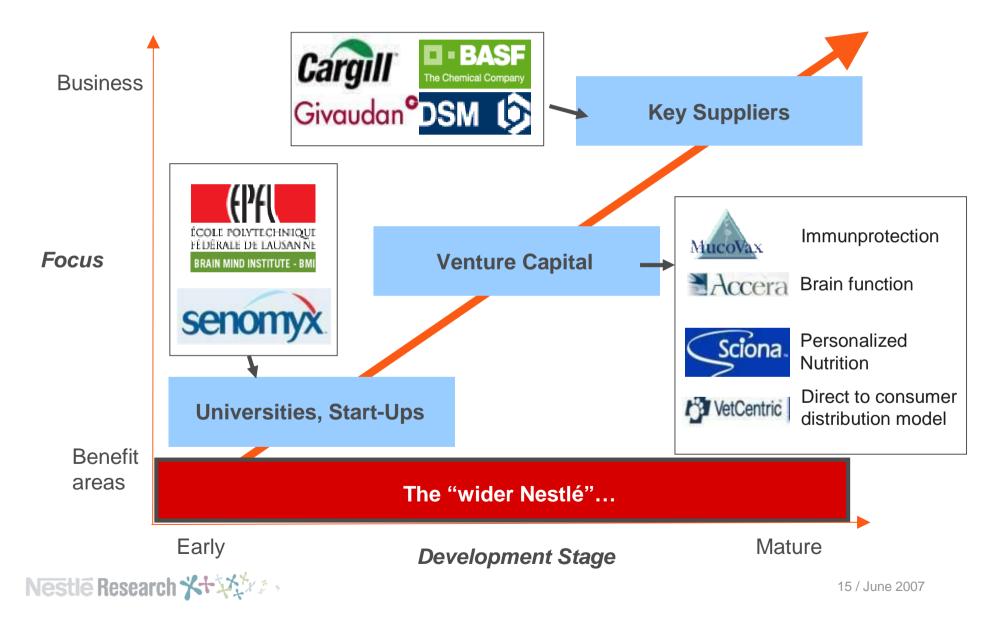




Nestlé vision	Nestlé Research vision	Chief Technology Officer Focus
 Be the Nutrition, Health and Wellness company Innovation driven by superior science and technology Understand consumer's nutritional and emotional needs Invent the future: move faster and go beyond what the consumer tells us 	 Nutrition research and medical science at the core Science and technology as the engine of innovation Be consumer centric Innovation beyond products 	 Leading science and technology Consumer benefit research Open innovation model Innovation culture Passionate people Flawless Execution

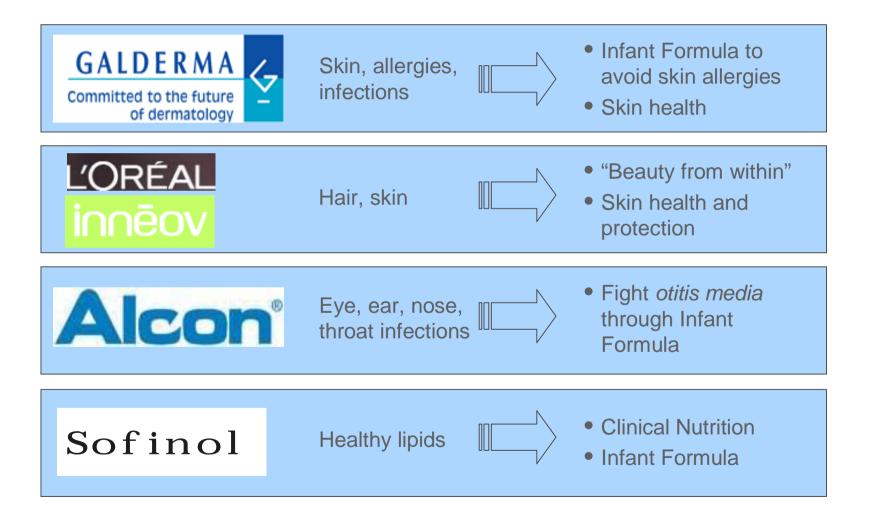
Our Open Innovation model: Partnerships multiply our opportunities





....The "wider" Nestlé

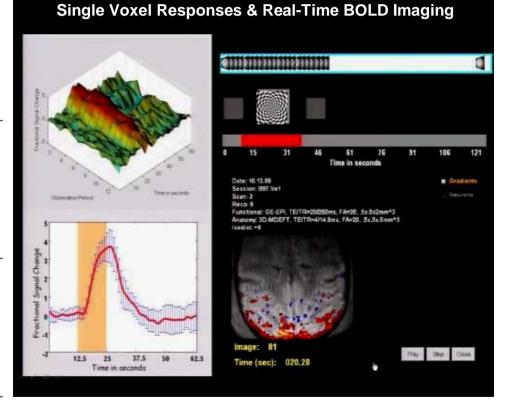




University partnerships: Food and brain development



- The entire brain can be imaged according to molecular distribution
- Brain function is about fuelling and prioritization
- Nestlé has formed a partnership with the EPFL to develop the world's leading diet and brain research programme



Nikos K. Logothetis

3rd Nestlé International Nutrition Symposium Nestlé Research Center



University partnerships: Diet influences genes and the metabolism

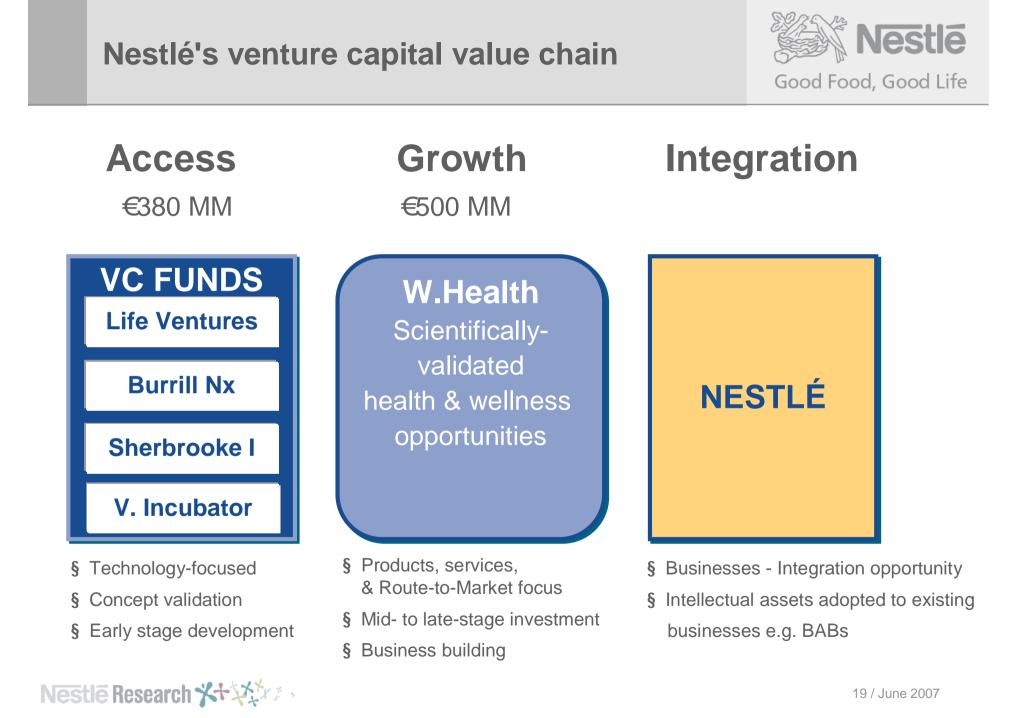


- The genetic background of individuals plays an essential role in their predisposition to certain diseases
- Nestlé and INMEGEN will study the genetic make-up of and pre-disposition to food-related diseases such as obesity and diabetes

Firma de Convenio **INMEGEN-NESTLÉ**



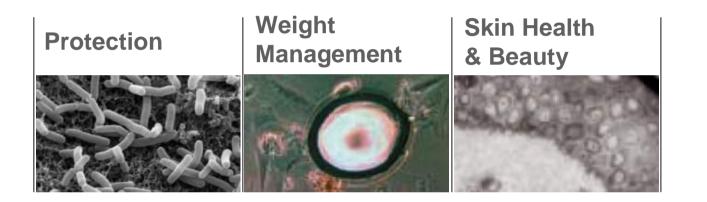
Translation Post-translational **Transcription Enzymatic** modification activity Nestle Research 🗡 18 / June 2007



Nestlé Research focus for nutrition research



Health Benefit Areas

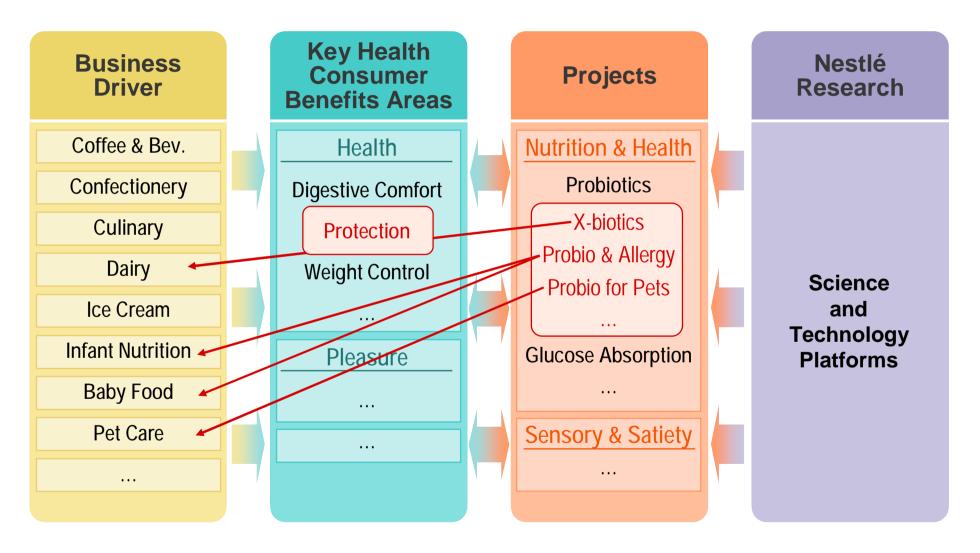




Developing leading science and technologies to deliver Nutrition, Health and Wellness



Good Food, Good Life



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Research pipeline to develop healthy foods: From consumer insight to healthy products

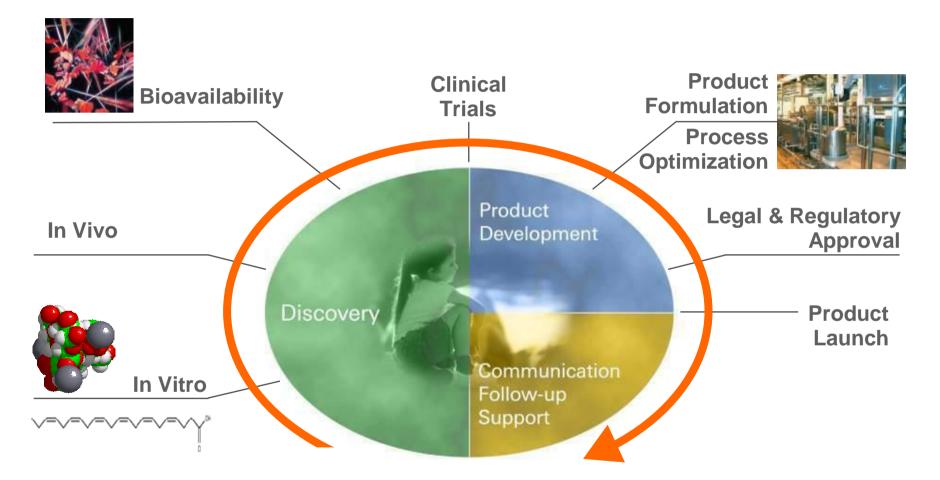


Consumer Insight Pipelines of Research Ingredients / Foods Biological target(s) Biologically-based Formulation optimization consumer insight **Food grade bioactives** Compliance Animal & clinical studies **Consumer behaviour: Regulatory** approval Scientific proof of benefits (Claim, Novel food...) Psychology Safety Sociology **Communication Protection / IP** Anthropology



The product development pipeline for healthy foods





Making healthy people healthier

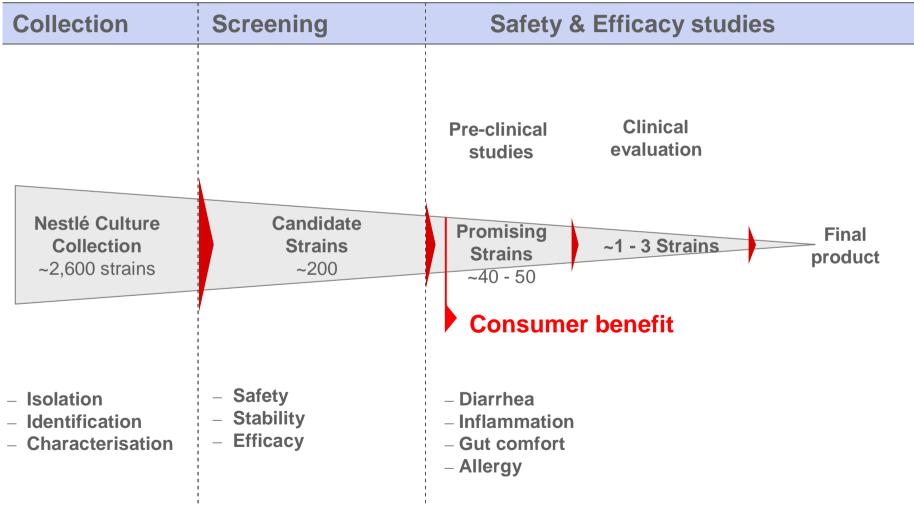
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23 / June 2007

Our science in action



Probiotics changing the Nutrition world



One benefit for different products



Probiotics for gut protection



Goal:

Help the body's own natural defenses restore the natural balance of «good» bacteria in the gut

Benefit:

- Immunostimulation
- Competitive displacement of pathogens in the gut
- Protection against Helicobacter pylori infections

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Probiotics for skin protection



Goal:

Identify nutrients with benefits link to photoprotection

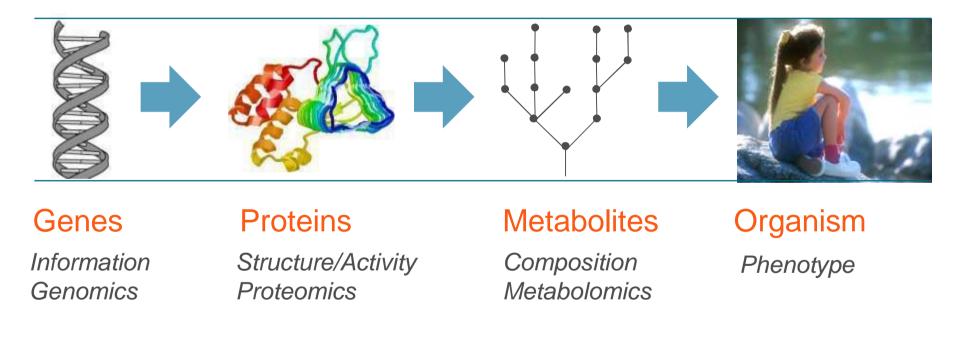
Benefit:

- Accelerated and complete recuperation of skin cell defenses after UV exposure
- Intensified tanning color
- Decreased skin sensitivity to UV

Science roadmap to personal health



We need to master all levels of biology



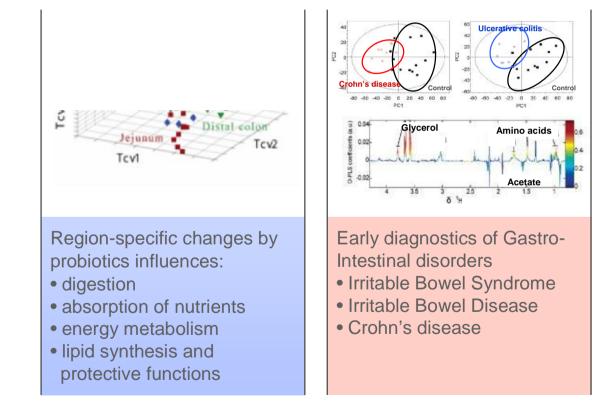
- Develop new products targeted to the specific needs of a population
- Influence expression of specific genes, which lead to the development of foods that can improve health and wellness

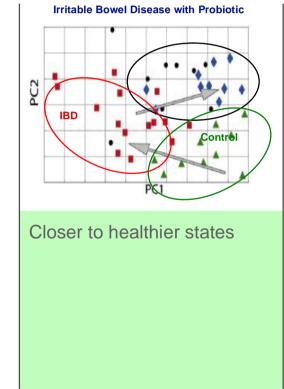
Biomarkers for metabolic disorders: Metabolomics



Gut microbiota modulates Gastro-Intestinal Physiology Gastro-Intestinal Disorders

Nutritional Intervention Efficacy







Nutrigenomics offers new ways to provide optimal nutrition



Better understand health through an insight into the mechanisms of prevention and protection

Biomarkers based on genomics were used to show positive effect of the food products

Osteoarthritis leads to the expression of specific genes, which can be used as biomarkers





A diet for dogs with osteoarthritis developed from nutrigenomic research

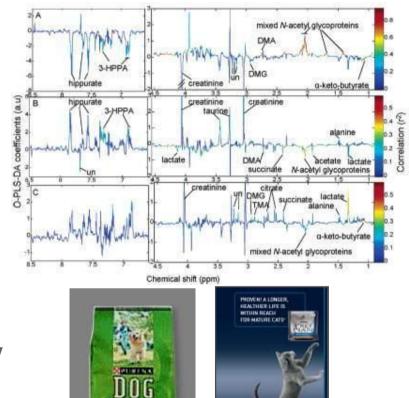
Biomarkers correlating caloric restriction on canine health and life span



Long-term restriction of energy intake has been shown to prolong life and delay age-related morbidity

Ageing and dietary restriction modify the composition or functional activities of gut microbiota

Nestlé aims to reduce the impact of age related diseases and to provide more general insights into extension of longevity in dogs





Journal of Proteome Research Vol. 6, No. 5, 2007



29 / June 2007



How do we measure success ?





- Consumer satisfaction and brand equity
- Successful innovations, rapidly rolled out
- Continuous improvement and renovation
- Taste and nutrition superiority, 60/40+
- Organic growth, EBIT margin and return on investment

Strong Science supports Strong Brands



Good Food, Good Life



Nestlé Pure Life: building an idea into a CHF 1 billion business in 8 years



- Speed: briefed 1997, launched 1998 in Pakistan
- Rigorous deployment: roll-out in 22 markets
- Continuity in building <u>brand equity</u>



Nestlé Research Local Relevance and global scale



1.70

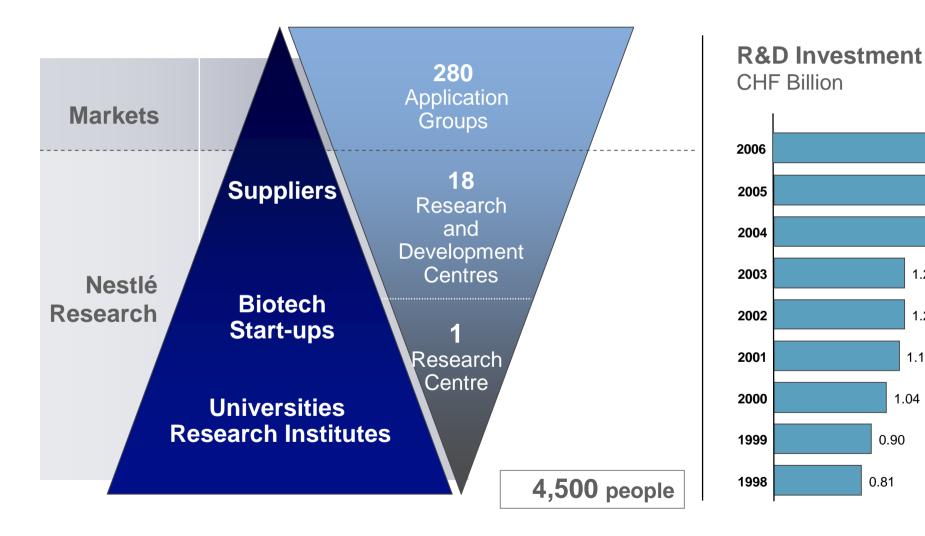
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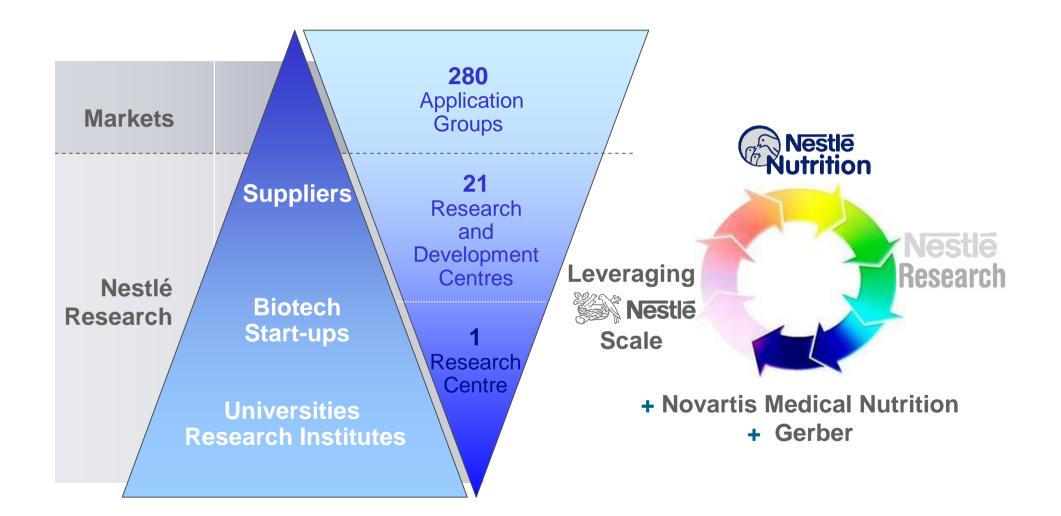
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Nestlé Research Leveraging nutrition research





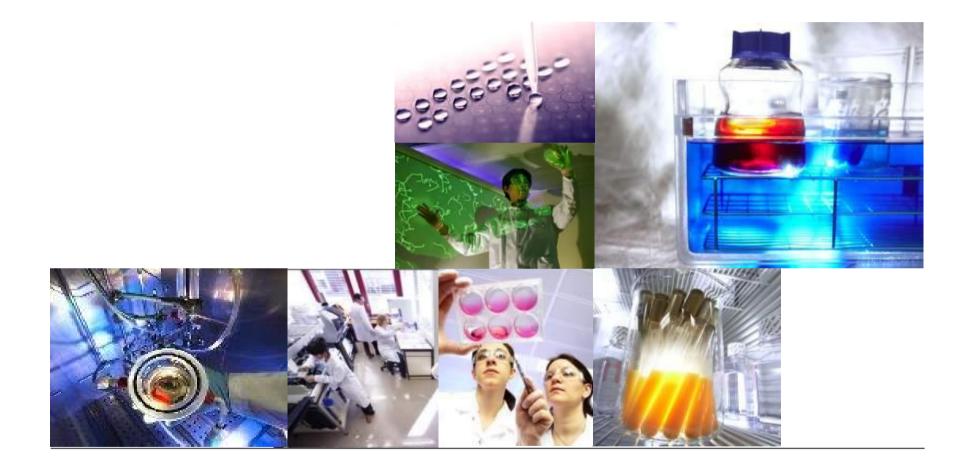


- ... building on a strong Innovation heritage
- ... a clear vision for the future based on superior science and consumer understanding
- ... flawless execution that starts and ends with the consumer
- ... above all, Research is our DNA and Nutrition is the heart of Nestlé



Nestlé Research The Engine for Nutrition, Health and Wellness





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