

WP 2.1 HEALTH EFFECTS OF WHOLE AND PROCESSED FRUIT

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| Other participants | INRA-URC (Institut National de la Recherche Agronomique)-France ; RIPF (Research Institute of Pomology and Floriculture)-Poland; DCS (Danish Cancer Society)-Denmark ; KVL (The Royal Veterinary and Agricultural University)-Denmark; UC (University of Copenhagen)-Denmark; UO (University of Oslo)-Norway; TU-Lodz (Technical University of Lodz)-Poland; VDV (Societe Cooperative Agricole Elle & Vire)-France |
| OBJECTIVES | |
| <p>This WP aims to elucidate specific mechanisms of chronic disease prevention by fresh fruit consumption and compare them with effects of processed fruit consumption. The objectives of this work package are:</p> <ol style="list-style-type: none"> 1. To identify signal transduction pathways and downstream effects affected by fresh fruit and by processed fruit fractions in animal models. 2. To determine the relationship of these effects to prevention of experimental colon cancer 3. To determine the effect of fresh fruit and processed fruit intervention on signal transduction and preventive downstream effects in humans. 4. To determine the efficacy of fruit product intervention on preventing episodes of inflammatory bowel disease in IBD patients. 5. To determine the relation of dietary fruit intake to the risk of colon cancer and stroke at the population level. | |
| TASKS | |
| Task 2.1.1. Short-term animal studies on fruit nutrigenomics | |
| Task 2.1.2. Medium-term animal studies: Colon cancer prevention | |
| Task 2.1.3 Fruit nutrigenomics in healthy volunteers | |
| Task 2.1.4. Fruit nutrigenomics in IBD patients | |
| Task 2.1.5 Fruit and processed fruit in disease prevention | |