

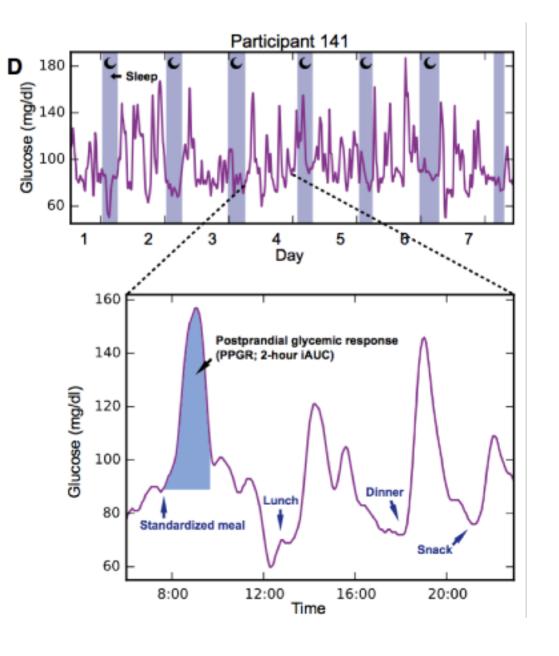
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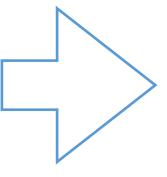
Computational analysis Per person profiling Diary (food, sleep, physical activity) **Gut microbiome** Main **PPGR** Using smartphone-adjusted website 16S rRNA prediction cohort 5,435 days, 46,898 meals, 9.8M Calories, 2,532 exercises Metagenomics Continuous glucose monitoring Using a subcutaneous sensor (iPro2) **Blood tests** 800 Participants 130K hours, 1.56M glucose measurements Questionnaires Standardized meals (50g available carbohydrates) Validation Dietary Food frequency Day 1 Day 2 Day 3 Day 4 Day 5 Day 6 Day 7 Lifestyle intervention cohort Medical **Anthropometrics** Glucose Glucose Fructose butter butter 100 Participants 26 Participants

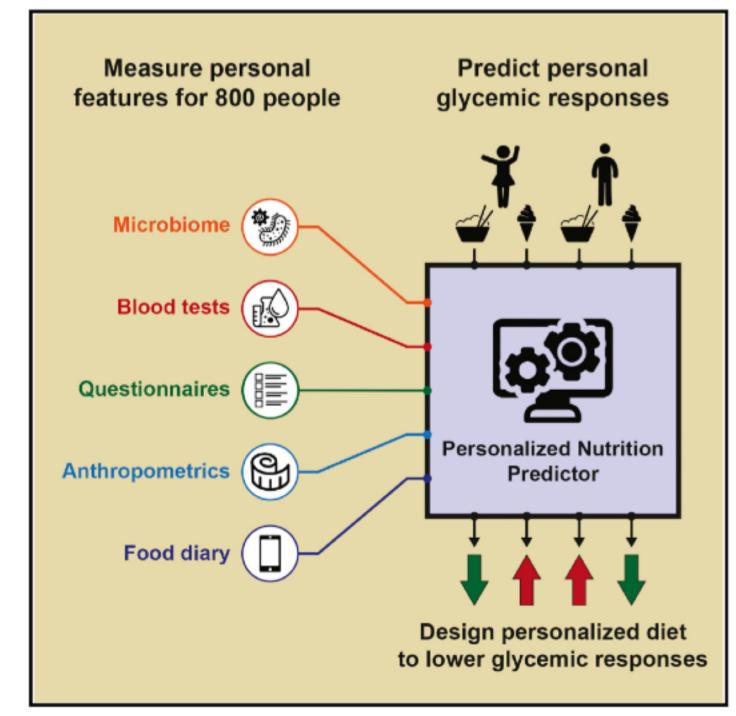


Personalized Nutrition by Prediction of Glycemic Responses

David Zeevi,^{1,2,8} Tal Korem,^{1,2,8} Niv Zmora,^{3,4,5,8} David Israeli,^{6,8} Daphna Rothschild,^{1,2} Adina Weinberger,^{1,2} Orly Ben-Yacov,^{1,2} Dar Lador,^{1,2} Tali Avnit-Sagi,^{1,2} Maya Lotan-Pompan,^{1,2} Jotham Suez,³ Jemal Ali Mahdi,³ Elad Matot,^{1,2} Gal Malka,^{1,2} Noa Kosower,^{1,2} Michal Rein,^{1,2} Gili Zilberman-Schapira,³ Lenka Dohnalová,³ Meirav Pevsner-Fischer,³ Rony Bikovsky,^{1,2} Zamir Halpern,^{5,7} Eran Elinav,^{3,9,*} and Eran Segal^{1,2,9,*}





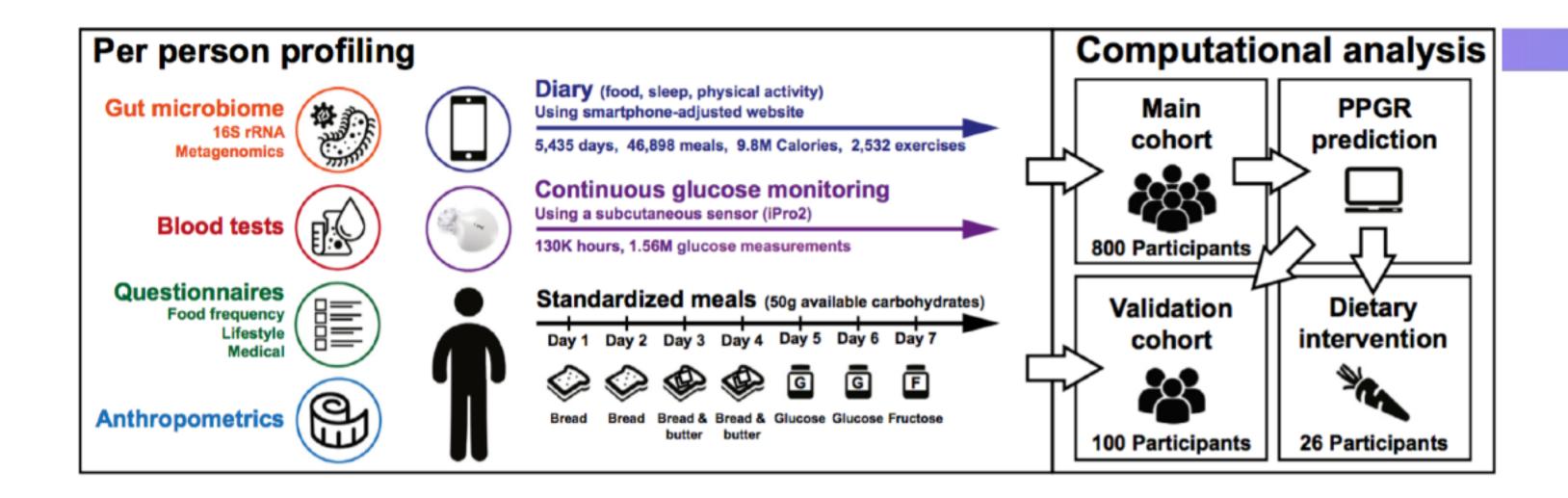


Personalized nutrition



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Mas na vida real...



LETTERS
https://doi.org/10.1038/s41591-019-0485-4

medicine

Meta-omics analysis of elite athletes identifies a performance-enhancing microbe that functions via lactate metabolism

Model_1 < -lme(*Veillonella*~time + sex + weight + BMI + age + race + menstruation + vegetables + fruits + grains + protein + dairy + dietary_protein_ supp,random = ~1|subjectID,data = marathon16S)

