

Personalized nutrition by prediction of glycemic responses

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Disclosure

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and DayTwo companies.

THE PERSONALIZED NUTRITION PROJECT

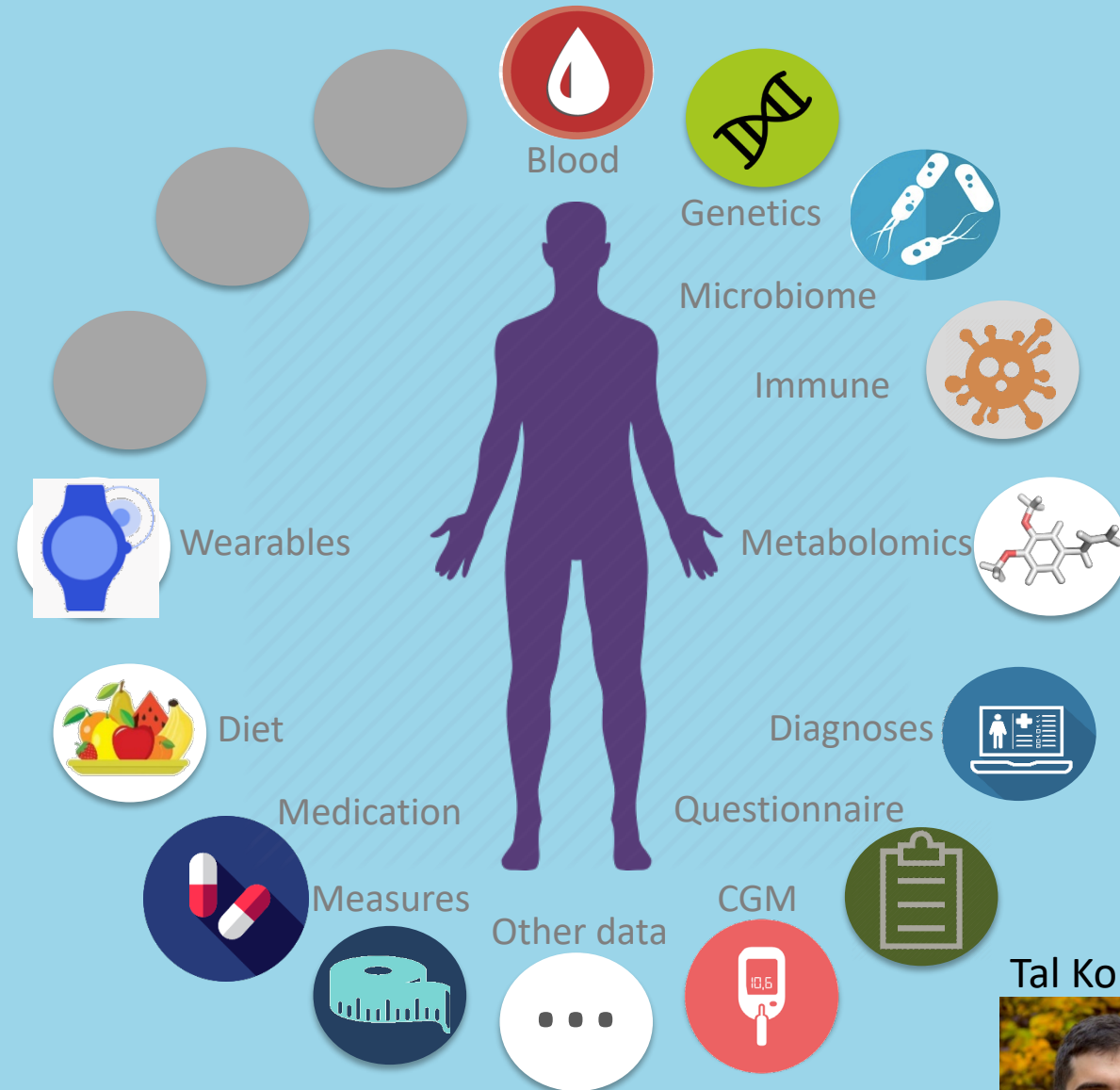
1,000 PEOPLE



50,000 MEALS



2,000,000
GLUCOSE MEASURES



Tal Korem

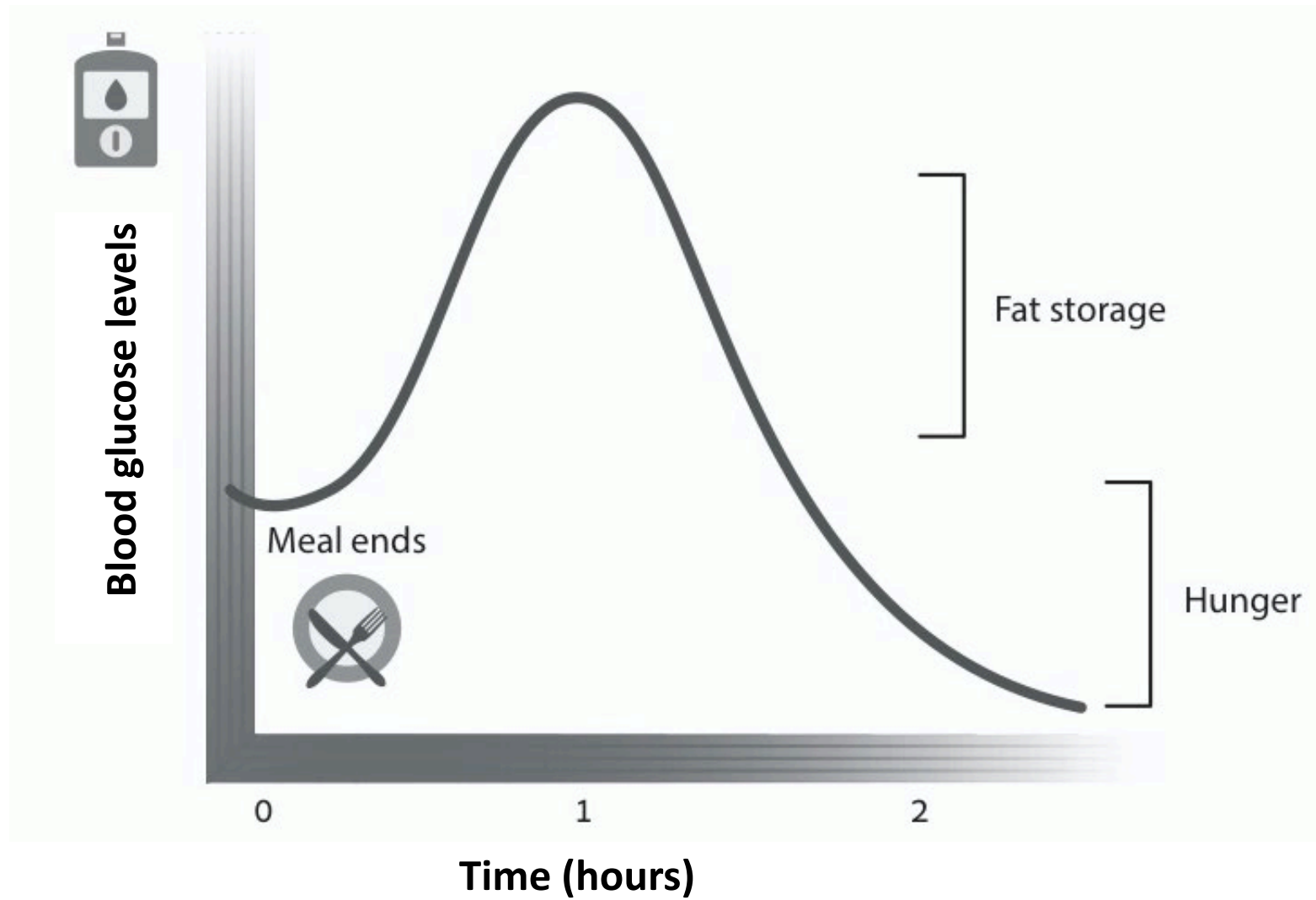


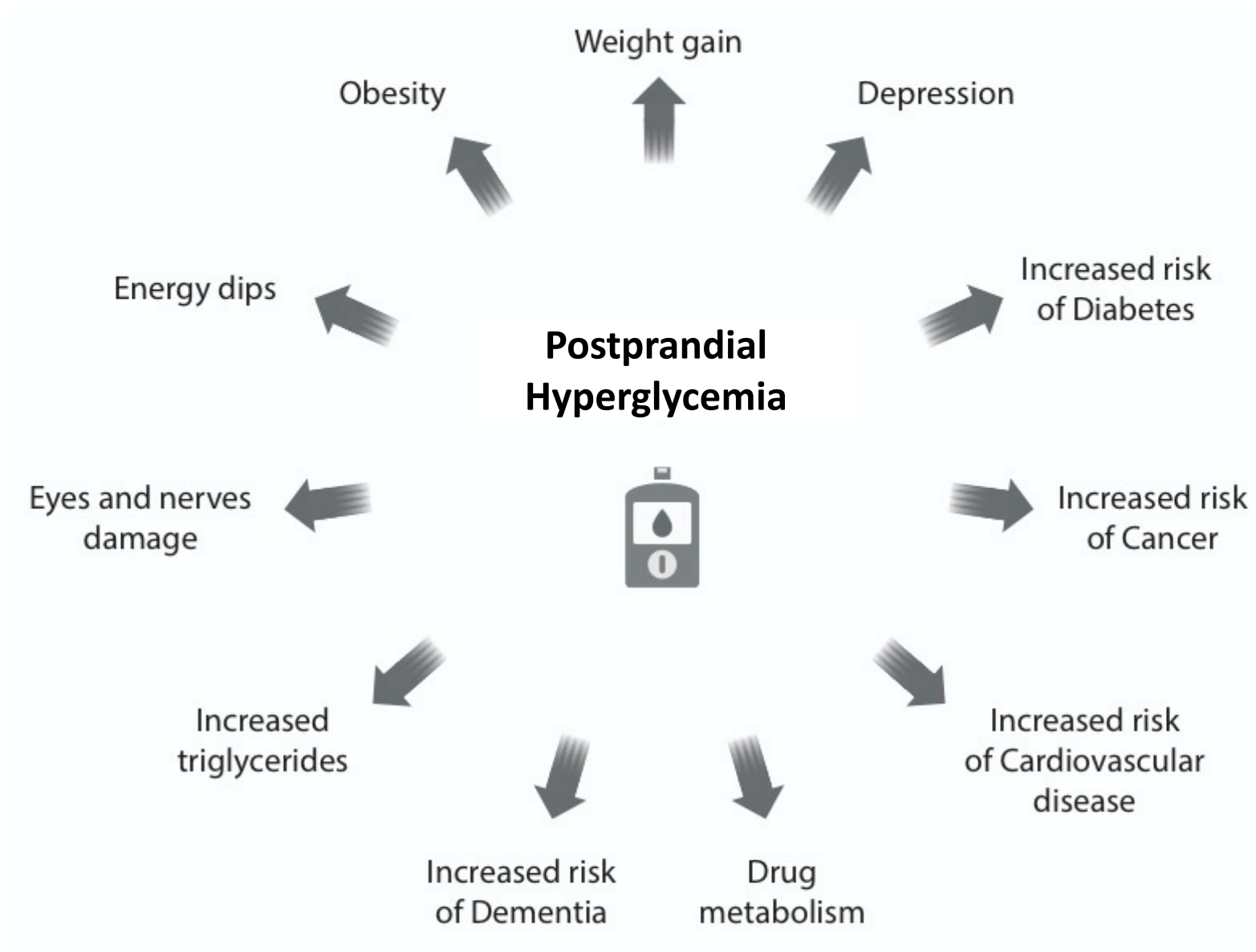
Dudi Zeevi



What is a healthy diet?

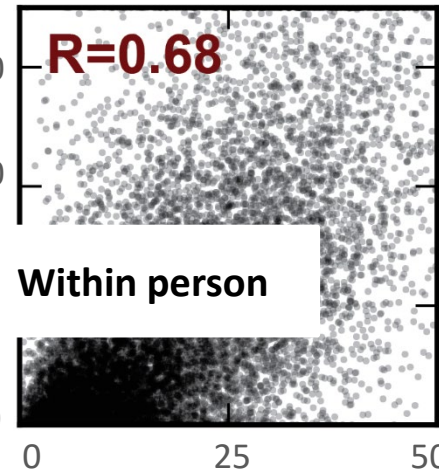
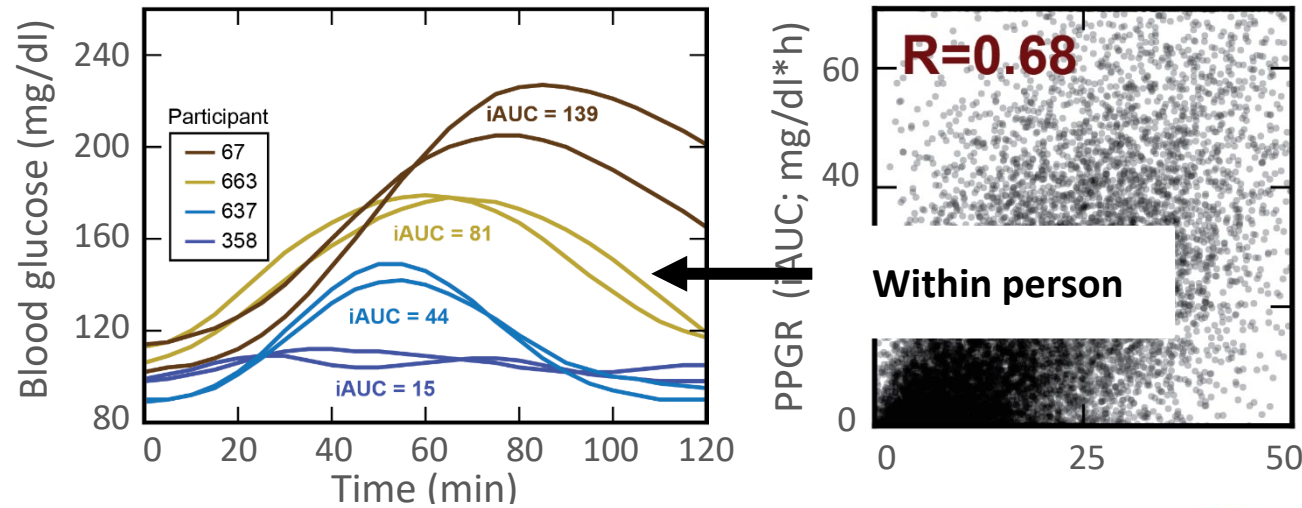
Postprandial (post-meal) glucose response (PPGR)





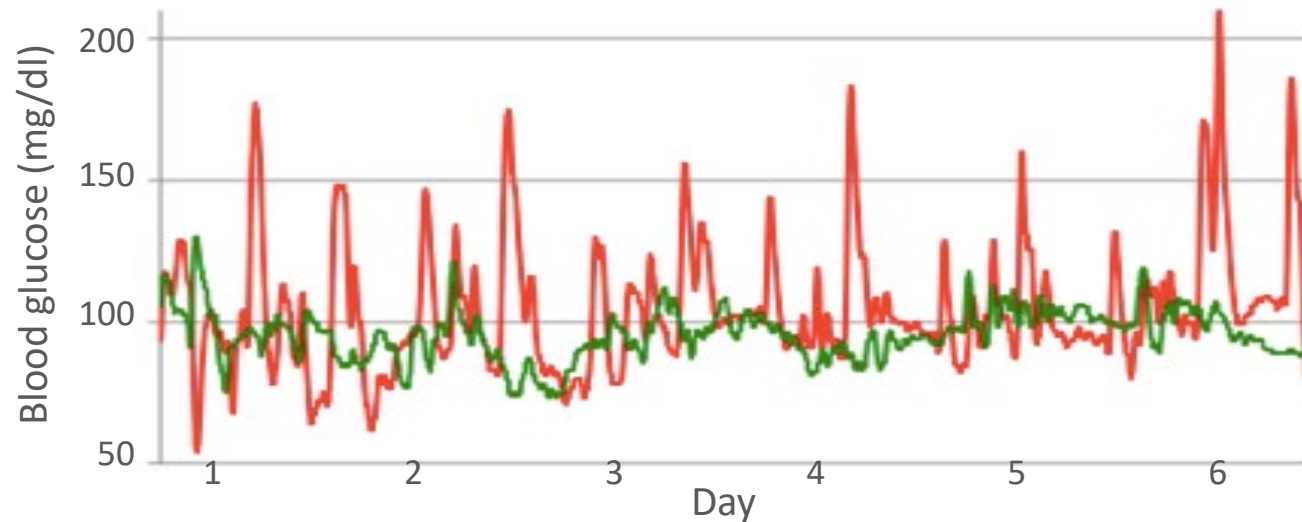
Machine learning algorithm accurately predicts personalized PPGRs

Different people have widely different post-meal responses to identical meals



Meal glucose responses are highly personalized

Meal glucose responses are accurately predicted



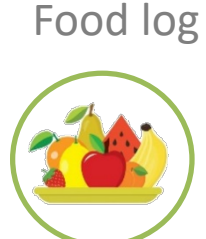
Personalized diets successfully lower post-meal glucose response

**What is the clinical impact of
personalized postprandial targeting (PPT) diet
in populations with imbalance glucose tolerance?**

Clinical impact of personalized postprandial targeting (PPT) Diet



6-month dietary intervention in prediabetes (n=225)



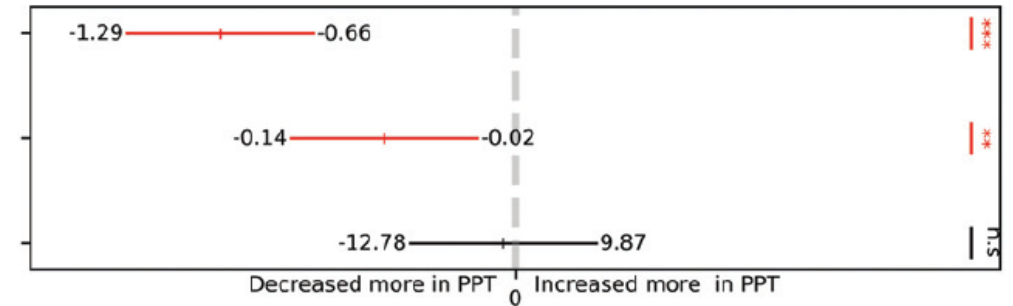
OR



Time above 140 mg/dl
(cgm based)

HbA1c% (blood)

OGTT (cgm based)



Orly Ben Yacov



Anastasia Godneva



Clinical impact of
personalized postprandial
targeting (PPT) Diet



Improves glycemic control and
metabolic parameters in
individuals with prediabetes

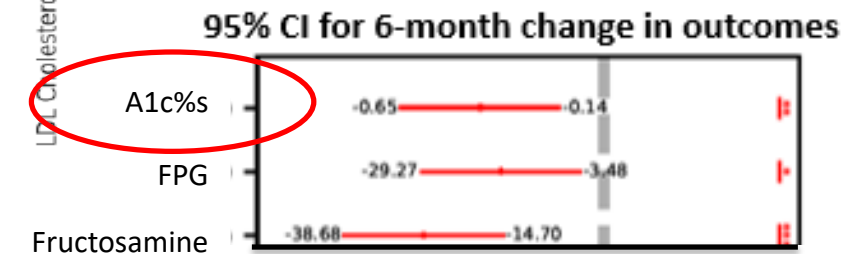
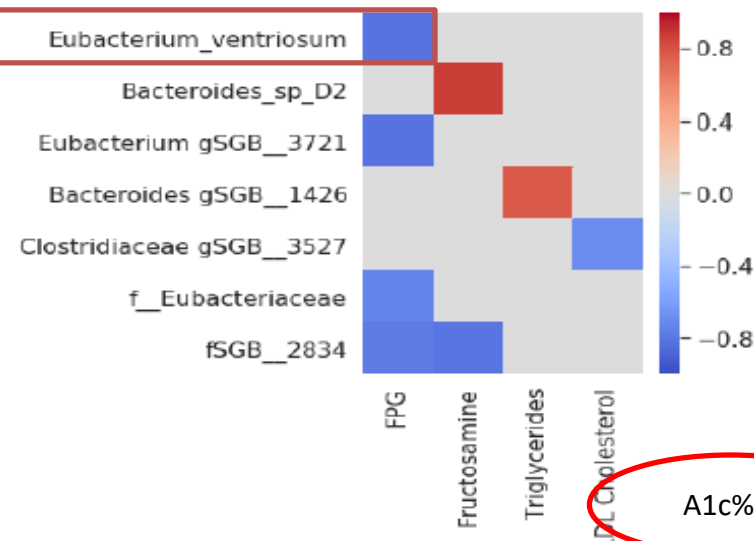
Ben-Yacov *et al.*, Diabetes Care, 2021

Clinical impact of personalized postprandial targeting (PPT) Diet

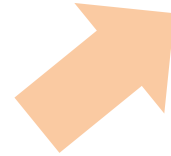
Improves glycemic control and metabolic parameters in individuals with prediabetes

Ben-Yacov *et al.*, Diabetes Care, 2021

6-month Single arm PPT intervention in newly diagnosed T2DM (n=16)

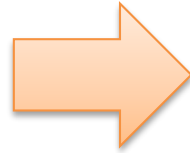


Clinical impact of personalized postprandial targeting (PPT) Diet



Improve glycemic control and metabolic parameters in individuals with prediabetes

Ben-Yacov *et al.*, Diabetes Care, 2021



Induce diabetes remission in >60% of participants with newly diagnosed type-2 diabetes mellitus

Rein, Ben-Yacov and Godneva *et al.*, unpublished

Clinical impact of personalized postprandial targeting (PPT) Diet



Improve glycemic control and metabolic parameters in individuals with prediabetes

Ben-Yacov *et al.*, Diabetes Care, 2021

Changes in gut microbiome associate with clinical outcomes

Induce diabetes remission in >60% of participants with newly diagnosed type-2 diabetes mellitus

Rein, Ben-Yacov and Godneva *et al.*, unpublished

Multi-center PPT intervention in T2DM (N=251)

Reduction in HbA1C% in > 80% of participants

-4% of body weight (kg)

A self reported reduction in the use of medications

Clinical impact of Personalized Postprandial Targeting (PPT) Diet

Improves glycemic control and
metabolic parameters in
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Ben-Yacov *et al.*, Diabetes Care, 2021

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-4% of body
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A self reported
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● DAY
TWO



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