



## Flavia Tramontana

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**Data di nascita**: 27/12/1993 **Nazionalità**: Italiana

### ESPERIENZA LAVORATIVA

[ 16/02/2023 – Attuale ]

#### Post-Doc

**Università Campus Bio-Medico di Roma**

**Città**: Rome | **Paese**: Italia

Research Unit of Endocrinology and Diabetes

[ 07/2022 – Attuale ]

#### Affiliated to research

**Karolinska Institutet**

**Città**: Stockholm | **Paese**: Svezia

Integrative Physiology - PI: Juleen R. Zierath and Anna Krook

[ 11/2018 – 12/2022 ]

#### PhD student

**Università Campus Bio-Medico di Roma**

**Città**: Rome | **Paese**: Italia

Thesis title: "The pathophysiology of insulin resistance in skeletal muscle: from molecular insights to clinical applications"

[ 14/02/2021 – 01/07/2022 ]

#### Visiting PhD student

**Karolinska Institutet**

**Città**: Stockholm | **Paese**: Svezia

Research project on the effect of Diacylglycerol Kinase  $\delta$  in skeletal muscle glucose metabolism and its involvement in the pathogenesis of type 2 diabetes. PI: Juleen R. Zierath

[ 11/2018 – 12/2019 ]

#### Dietitian

**Università Campus Bio-Medico di Roma**

**Città**: Rome | **Paese**: Italia | **Nome dell'unità o del servizio**: Public Hospital (Casa della Salute – Ceccano)

Diet therapy and lifestyle intervention for patients with metabolic diseases

[ 01/2018 – 11/2018 ]

#### Internship

**Università Campus Bio-Medico di Roma**

**Città**: Roma | **Paese**: Italia

Student working on clinical and basic research projects

### ISTRUZIONE E FORMAZIONE

[ 07/2018 – 08/2018 ]

#### Medical English Program

**University of California, San Diego - University Extension**

**Indirizzo**: 0176D, La Jolla, CA 92093-0176, San Diego, Stati Uniti |

[ 01/2018 – Attuale ]

#### Board/License in Biology

**Tor Vergata University of Rome**

**Indirizzo**: Via Cracovia 50 , 00133, Rome, Italia |

[ 11/2015 – 10/2017 ]

#### Master's Degree in Food Science and Human Nutrition (LM-61)

**Università Campus Bio-Medico di Roma**

**Indirizzo:** Via Alvaro del Portillo 21, 00128, Roma, Italia | **Voto finale:** 110/110 cum laude et mentionem | **Tesi:** Degree thesis (experimental): The effect of high-fiber diet in combination with metformin therapy in type 2 diabetes

[ 03/2017 – 09/2017 ] **Master thesis student, Unit of Endocrinology and Diabetes**

**Università Campus Bio-Medico di Roma**

**Indirizzo:** Via Alvaro del Portillo 21, 00128, Rome, Italia |

I have independently planned, designed and established practical execution of a prospective observational study about the role of a fiber-enriched diet in add-on to metformin therapy on glycemic and lipid control of type 2 diabetes patients.

[ 03/2017 – 06/2017 ] **Traineeship, Department of Diabetology and Dietetics**

**Casa della Salute Prati – Trionfale**

**Indirizzo:** P.le degli Eroi 11 , 00136, Rome, Italia |

- Nutritional status assessment
- Nutritional Counselling
- Design of dietary plans

[ 10/2012 – 12/2015 ] **Bachelor's Degree in Food Science and Human Nutrition (L-13)**

**Università Campus Bio-Medico di Roma**

**Indirizzo:** Via Alvaro del Portillo 21, 00128, Rome, Italia | |

**Voto finale:** 110/110 cum laude | **Tesi:** Degree thesis: The role of vitamin D on breast cancer: a focus on apoptotic effects in breast cancer cell line MCF-7.

[ 09/2007 – 07/2012 ] **High School Diploma**

**Istituto Santa Giuliana Falconieri**

**Indirizzo:** Via Guidobaldo del Monte 17, 00197, Rome, Italia |

High school qualification in scientific studies

**PUBBLICAZIONI**

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[ 2024 ] **[Diacylglycerol Kinase Delta Overexpressoin Improves Glucose Clearance and Protects Against the Development of Obesity](#)**

**Riferimento:** M. Jollet\*, F. Tramontana\*, L.Q. Lang\*, [...], M. Björnholm, J.R. Zierath

\*Equally contributed

*Metabolism. Accepted*

[ 2024 ] **[Bone canonical Wnt signaling is downregulated in type 2 diabetes and associates with higher advanced glycation end-products \(AGEs\) content and reduced bone strength](#)**

**Riferimento:** G. Leanza, F. Cannata, M. Faraj, [...], F. Tramontana, [...], N. Napoli

*Elife*

[ 2024 ] **[The mediating role of kynurenine pathway metabolites on the relationship between inflammation and muscle mass in oldest-old men](#)**

**Riferimento:** M. Hetherington-Rauth, E. Johnson, E. Migliavacca, [...], F. Tramontana, E.S. Orwoll, P.M. Cawthon

*Journal of Gerontology: Biological Sciences*

[ 2024 ] **[More rapid bone mineral density loss in older men with diabetes: The Osteoporotic Fractures in Men \(MrOS\) Study](#)**

**Riferimento:** F. Tramontana, N. Napoli, S. Litwack-Harrison, [...], A. Schwartz

*J Clin Endocrinol Metab*

[ 2024 ] **[Targeting the Hallmarks of Aging with Vitamin D: Starting to Decode the Myth](#)**

- Riferimento:** C. Ruggiero, L. Tafaro, L. Ciangerotti, F. Tramontana. [...], N. Napoli, V. Casolaro  
*Nutrients*
- [ 2023 ] [Abdominal adipose tissue distribution assessed by computed tomography and mortality in hospitalised patients with COVID-19: a retrospective longitudinal cohort study](#)
- Riferimento:** S. Battisti, C. Pedone F. Tramontana, [...], R. Strollo  
*Endocrine*
- [ 2023 ] [Glycated haemoglobin in the first year after diagnosis of type 1 diabetes is an independent risk factor for diabetic retinopathy: the IMDIAB 25 years follow-up study](#)
- Riferimento:** E. Maddaloni, A. Carlone, D. Pitocco,[...], F. Tramontana, [...], R. Buzzetti, P. Pozzilli  
*Diabetes, Obesity and Metabolism*
- [ 2023 ] [Pre-vaccination glucose time in range correlates with antibody response to SARS-CoV-2 vaccine in type 1 diabetes](#)
- Riferimento:** G. Alhamar, S. Bringanti, V. Viola, [...], F. Tramontana, [...], P. Pozzilli, R. Strollo  
*J Clin Endocrinol Metab, Accepted*
- [ 2023 ] [Autoantibody and T cells responses to oxidative post-translationally modified insulin neoantigenic peptides in type 1 diabetes](#)
- Riferimento:** R. Strollo, C. Vinci, Y.K. Stella Man, [...], F. Tramontana, [...], A. Nissim  
*Diabetologia*
- [ 2022 ] [Changes in bone turnover markers in patients without bone metastases receiving immune checkpoint inhibitors: an exploratory analysis](#)
- Riferimento:** F. Pantano\*, F. Tramontana\*, G. Leanza, [...], D. Santini  
\*Equally contributed  
*J Bone Oncol*
- [ 2022 ] [Letter to the Editor from Viola et al.: "Diminishing Value from Multiple Serial Bone Densitometry in Women Receiving Antiresorptive Medication for Osteoporosis"](#)
- Riferimento:** V. Viola, F. Tramontana, G. Leanza  
*J Clin Endocrinol Metab*
- [ 2021 ] [Vertebral fractures and mortality risk in hospitalised patients during the COVID-19 pandemic emergency](#)
- Riferimento:** S. Battisti, N. Napoli, C. Pedone, [...], F. Tramontana, [...], R. Strollo  
*Endocrine*
- [ 2021 ] [Immuno-Endocrinology of COVID-19: The Key Role of Sex Hormone](#)
- Riferimento:** F. Tramontana, S. Battisti, N. Napoli, R. Strollo  
*Front Endocrinol (Lausanne)*
- [ 2021 ] [Letter to the Editor From Viola et al: "Calcifediol Treatment and COVID-19-related Outcomes"](#)
- Riferimento:** V. Viola, G. Leanza, F. Tramontana  
*J Clin Endocrinol Metab*

- [ 2021 ] [Association of Bone Biomarkers with Advanced Atherosclerotic Disease in People with Overweight/Obesity](#)  
**Riferimento:** R. Del Toro, I. Cavallari, F. Tramontana, K. Park, R. Strollo, [...], E. Maddaloni  
*Endocrine*
- [ 2021 ] [Secondary Prevention of Fragility Fractures: Where Do We Stand during the COVID-19 pandemic?](#)  
**Riferimento:** A. Falchetti, M. Mohseni, F. Tramontana, N. Napoli  
*J Endocrinol Invest*
- [ 2021 ] [Bone fragility in patients with diabetes mellitus: a consensus statement from the Working Group of the Italian Diabetes Society \(SID\), Italian Society of Endocrinology \(SIE\), Italian Society of Gerontology and Geriatrics \(SIGG\), Italian Society of Orthopaedics and Traumatology \(SIOT\)](#)  
**Riferimento:** N. Napoli, R.A Incalzi, G. De Gennaro, [...], F. Tramontana, C. Conte  
*Nutr Metab Cardiovasc Dis*
- [ 2020 ] [The D-side of COVID-19: musculoskeletal benefits of vitamin D and beyond](#)  
**Riferimento:** F. Tramontana, N. Napoli, G. El-hajj Fuleihan, R. Strollo  
*Endocrine*
- [ 2020 ] [Chapter Book: L'endocrinologia del Campus Bio-Medico](#)  
**Riferimento:** P. Pozzilli  
 Author for chapter 8 "Osteoporosis". ISBN: 8877119977

## GRANTS

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- [ 2024 - 2025 ] **Principal Investigator: EASD Early Career Academy Mentorship Programme**  
 Euro: 1.000  
 Mentor: Juleen R. Zierath, Professor of Physiology, Karolinska Institutet, Stockholm, Sweden
- [ 2024 - Attuale ] **Co-Investigator: PNRR Ministero della Salute**  
 Euro: 999.910,00  
 Project title: High doses of vitamin D as therapeutic approach for muscle health and inflammation in obese subjects: a randomized, double-blinded, placebo-controlled study
- [ 2024 - 2026 ] **Key Person: JDRF Strategic Research Agreement (SRA)**  
 Dollars: 559.997,62  
 Project title: Evaluation of Oxidized Insulin as a Biomarker and Therapeutic Target in Type 1 Diabetes
- [ 2022 - 2025 ] **Principal Investigator: ESPEN Research Fellowships Grant**  
 Euro 40.000

Project title: Effects of vitamin D on bone, muscle, and adipose tissue in obese subjects: a randomized double-blind, placebo-controlled study

[ 2022 – 2023 ] **Principal Investigator: Albert Renold Travel Fellowship Programme**

Euro 7.000

Project title: "Role of Diacylglycerol Kinase  $\delta$  in Skeletal Muscle Glucose Metabolism in Type 2 Diabetes"

[ 2020 – Attuale ] **Sub-investigator: PRIN 2020 (202077EYN7), PI: Angelo Avocaro**

Project title: Diabetes & COVID-19. The collision of two pandemics from immunopathogenesis to end-organ complications

## ONORIFICENZE E RICONOSCIMENTI

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[ 23/05/2023 ] **"Riccardo Giorgino" Award for the best PhD thesis Istituto che rilascia la qualifica:** Italian Diabetes Society (SID)

Best PhD thesis award for 2023 in the Endocrinology and Diabetes field

[ 11/2022 ] **CISD Award Istituto che rilascia la qualifica:** Centro Internazionale Studi Diabete (CISD)

Merit Award

[ 09/2022 ] **Travel Grant Istituto che rilascia la qualifica:** European Association for the Study of Diabetes (EASD)

Travel Grant, 58th EASD Annual Meeting, Stockholm, Sweden

[ 03/2021 ] **Erasmus grant award Student Mobility for Traineeship Istituto che rilascia la qualifica:** Erasmus+ programme

[ 07/2019 ] **Travel Grant Istituto che rilascia la qualifica:** European Association for the Study of Diabetes (EASD)

Travel Grant, 55th EASD Annual Meeting, Barcelona, Spain

## ACADEMIC ACHIEVEMENTS

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**Oral Presentation - 58th annual meeting of European Association for the study of Diabetes (EASD)**

19 - 23 September 2022

Stockholm, Sweden

**Poster Presentation - SRP Diabetes-EndoMet-MetEndo retreat**

30 May 2022

Stockholm, Sweden

**Poster Presentation - SRP Diabetes-EndoMet-MetEndo retreat**

15 - 16 November 2021

Stockholm, Sweden

**Poster Presentation - 28° Congresso Nazionale Società Italiana di Diabetologia (SID)**

2 - 5 December 2020

Rimini, Italy

**Oral presentation - 56th Annual Meeting of the European Association for the Study of Diabetes (EASD)**

21 - 25 September 2020

Virtual meeting

The news was covered by an international press agency (*Medscape*).

**Oral presentation - 80th scientific session, American Diabetes Association (ADA)**

12 - 16 June 2020

Virtual meeting

**Poster presentation, 55th annual meeting of European Association for the study of Diabetes (EASD)**

16 - 20 September 2019

Barcelona, Spain

**Poster presentation - 40th Congresso nazionale Società italiana di endocrinologia (SIE)**

29 May - 1 June 2019

Rome, Italy

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**TEACHING ACTIVITIES**

[ 2023 – Attuale ]

**Lecturer at the course of Fundamental of Basic Science - Master Degree Program in Medicine and Surgery**

Seminars on "Mitochondria and Energy Metabolism"

[ 03/2018 – Attuale ]

**Thesis co-supervisor for the Master's Degree in Food Science and Human Nutrition**

A.Y. 2024 - 2025: J. Prodosmo, G. Rendina, G. Caporuscio

A.Y. 2023 - 2024: M. Calabrò

A.Y. 2022 - 2023: R. Bellante

A.Y. 2021 - 2022: L. Sorgentone

A.Y. 2020 - 2021: F. Gioia

A.Y. 2019 - 2020: G. Morello, F. Nichilò, F. Malizia

A.Y. 2018 - 2019: F. Cetani, S. Greci

[ 2020 – 2021 ]

**Tutor: course of Nutrition and Metabolic Diseases**

Master's Degree in Food Science and Human Nutrition (LM-61)

Università Campus Bio-Medico di Roma

[ 2020 – 2021 ]

**Tutor: Fundamentals of Basic Science, Biology**

Master's Degree in Medicine and Surgery

Università Campus Bio-Medico di Roma

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**CONFERENZE E SEMINARI**

[ 08/05/2024 – 08/05/2024 ]

**L'eterogeneità della malattia diabetica: dalla prevenzione alla cura attraverso l'innovazione farmacologica e tecnologica**

Anagni (FR), Italy

Invited Speaker

[ 11/12/2021 – 11/12/2021 ] **Update in malattie del metabolismo** Cassino (FR), Italy

Member of the Scientific Committee

[ 20/11/2019 – 20/11/2019 ] **Dieci domande sull'obesità** Ceccano (FR), Italy

Invited speaker

[ 13/11/2018 – 13/11/2018 ] **Aggiornamenti in tema obesità** Ferentino (FR), Italy

Invited Speaker

## PEER REVIEW ACTIVITIES

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[ 07/2023 – Attuale ] **Frontiers in Endocrinology - Diabetes: Molecular Mechanisms**

Editorial board: Review Editor position

[ 2022 – Attuale ] **Diabetes/Metabolism Research and Reviews**

Editorial Board

[ 2019 – Attuale ] **The Journal of Clinical Endocrinology and Metabolism**

Reviewer

[ 2019 – Attuale ] **Endocrine**

Reviewer

## COMPETENZE LINGUISTICHE

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**Lingua madre:** italiano

**Altre lingue:**

**inglese**

**ASCOLTO C1 LETTURA C1 SCRITTURA C1**

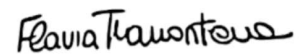
**PRODUZIONE ORALE C1 INTERAZIONE ORALE B2**

*Livelli: A1 e A2: Livello elementare B1 e B2: Livello intermedio C1 e C2: Livello avanzato*

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*DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONE (art. 46 e 47 D.P.R. 445/2000). La sottoscritta, Flavia Tramontana consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del D.P.R. 445/2000, dichiara che le informazioni riportate nel seguente curriculum vitae, redatto in formato europeo, corrispondono a verità*

Roma, 31/05/2024



Flavia Tramontana