

CURRICULUM VITAE: Dr. Matteo Serano

CURRENT POSITION:

2023- **Fixed Term Researcher (RTD.A)**
Department of Molecular and Developmental Medicine
University of Siena

EDUCATION AND TRAINING

2021-2023 **Postdoctoral Fellow** Department of Medicine and Aging Sciences
University G. d'Annunzio of Chieti-Pescara

2022 **Ph.D.** in Translational Medicine
University G. d'Annunzio of Chieti-Pescara

2018 **Bachelor's Degree in** in Biotechnology
University of L'Aquila.

2016 **Master's Degree** in Sciences and techniques of preventive and adapted physical activities
University G. d'Annunzio of Chieti-Pescara

2015 **Bachelor's Degree** in Physical activity and sport sciences
University G. d'Annunzio of Chieti-Pescara

PUBLICATIONS: AUTHORS OF 6 PUBLICATIONS.

- B. Girolami, **M. Serano**, A. Di Fonso, C. Paolini, L. Pietrangelo, F. Protasi. Searching for Mechanisms Underlying the Assembly of Calcium Entry Units: The Role of Temperature and pH. Int. J. Mol. Sci. 2023, 24, 5328.
- Protasi F., B. Girolami, **M. Serano**, L. Pietrangelo, C. Paolini. Ablation of Calsequestrin-1, Ca²⁺ unbalance, and susceptibility to heat stroke. Front. Physiol. 2022, 13:1033300.
- **Serano M.**, L. Pietrangelo, C. Paolini, FA. Guarnier, F. Protasi. Oxygen Consumption and Basal Metabolic Rate as Markers of susceptibility to Malignant Hyperthermia and Heat Stroke. Cells. 2022, 11, 2468.
- **Serano M.**, C. Paolini, A. Michelucci, L. Pietrangelo, FA. Guarnier, F. Protasi. High-fat diet increases the risk of environmental heatstroke in mice. Int. J. Mol. Sci. 2022, 23, 5286.
- Girolami, B., **M. Serano**, A. Michelucci, L. Pietrangelo, F. Protasi. Store-Operated Ca²⁺ Entry in Skeletal Muscle Contributes to the increase in Body Temperature during Exertional Stress. Int. J. Mol. Sci. 2022, 23, 3772.

- Guarnier, FA., A. Michelucci, **M. Serano**, L. Pietrangelo, C. Pecorai, S. Boncompagni, F. Protasi. Aerobic training prevents heatstrokes in Calsequestrin-1 knockout mice by reducing oxidative stress. *Oxid Med Cell Longev*. 2018:46652480.

CONFERENCES ATTENDED:

- **Serano M.**, L. Pietrangelo, FA. Guarnier, C. Paolini, F. Protasi.
Oxygen consumption and basal metabolic rate as markers of susceptibility to Malignant Hyperthermia and Heat Stroke.
European muscle conference, 2022, Prague. (Poster Presentation).
- **Serano M.**, A. Michelucci, G. Rastelli, C. Paolini, L. Pietrangelo, FA. Guarnier, F. Protasi.
High-fat diet increases the risk of environmental heatstroke in mice.
Padua days on muscle & mobility medicine, 2022, Padua. (Oral Communication).
- **Serano M.**, L. Pietrangelo, FA. Guarnier, C. Paolini, F. Protasi.
Increased basal metabolic rate in mice susceptible to malignant hyperthermia and heat stroke.
18th Meeting of the Interuniversity Institute of Myology, 2021, virtual. (Poster Presentation).
- **Serano M.**, A. Michelucci, G. Rastelli, C. Paolini, FA. Guarnier, F. Protasi.
High-fat diet increases the risk of environmental heatstroke in mice.
European muscle conference, 2021, virtual. (Poster Presentation).
- **Serano M.**, A. Michelucci, G. Rastelli, C. Paolini, FA. Guarnier, F. Protasi.
High-fat diet increases the risk of environmental heatstroke in mice.
Padua days on muscle & mobility medicine, 2021, virtual. (Oral Communication).
- **Serano M.**, A. Michelucci, G. Rastelli, C. Paolini, FA. Guarnier, F. Protasi.
High-fat diet increases the risk of environmental heatstroke in mice.
17th Meeting of the Interuniversity Institute of Myology, 2020, virtual. (Poster Presentation).

TEACHING ACTIVITY:

- | | |
|------------------|--|
| 2022-2023 | Subject expert for the discipline Physiology (SSD BIO-09), degree course of Occupational Therapy. |
| 2022-2023 | Subject expert for the discipline Physiology (SSD BIO-09), degree course of School of Dental Medicine. |
| 2021-2022 | Subject expert for the discipline Physiology (SSD BIO-09), degree course of Occupational Therapy. |
| 2022-2023 | Subject expert for the discipline Physiology (SSD BIO-09), degree course of Health Assistance. |