



I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di scienze biomediche e cliniche**.

Scientist- in charge: **Prof.Loretelli cristian**

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	YERRA
Name	PREETHAM

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Bachelor's degree in biotechnology, specializing in microbiology and chemistry	Kakatiya university, Warangal, Hanamkonda, Telangana, INDIA	2019
Master	Master's degree in medical biotechnology	University of Eastern Piedmont, Novara, ITALY	2021
Research fellow	Laboratory of wound healing	UNIUPO	2022-2023

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
16/01/2024	Società Italiana di Diabetologia	

FOREIGN LANGUAGES

Languages	level of knowledge
ENGLISH	Full professional proficiency
HINDI	C1
ITALIAN	A1
TELUGU	Native proficiency



SCHOLARSHIPS

Year	Description of award
2020-2021	Master's degree student scholarship- UNIUPO
2022-2023	Scholarship awarded as Research fellow- UNIUPO

TRAINING OR RESEARCH ACTIVITY

<p>2020-2021-Master's degree thesis internship at Department of Health science in laboratory of physiology- We explored the effects of curcumin on osteoblasts on aspects of bone maturation on pre-osteoblastic cell line (MC3T3-E1).</p> <p>Gained knowledge in cell culture, cell-based assays, Lentiviral transduction, Western blot, Flow cytometry and FACS staining.</p> <p>2022-2023- Training at Department of Health science in laboratory of Wound healing</p> <p>Trained and involved in Research projects where one of the projects focused on evaluating the effect of clodronate as a release inhibitor of microvesicles containing ATP by human keratinocytes in nociceptive environment. MTT and ATP assays were performed. In addition, Microvesicles analysis was performed using EXO VIEW R100 image instrument. ATP quantification was analyzed using bioluminescence imaging on the IVIS platform.</p> <p>The second project was on to improve the biocompatibility and bioactivity of the Gelatin and xanthan gum hydrogel adding polydopamine (PDA) to create a new bioink that could allow better cell adhesion and proliferation for the development of innovative printed wound dressings using 3D Bioprinter.</p> <p>Laboratory techniques acquired:</p> <p>Cell culture, 3D bioprinting, Photobiomodulation, Immunofluorescence, MTT assay, ATP assay, PCR, RT-PCR, Western blot, Bioluminescence imaging, Microscopy techniques.</p>

PROJECT ACTIVITY

Year	Project
2020-2021	The Role of curcumin on osteoblastic cell line as a possible treatment to enhance osteoblast maturation
2022-2023	Study of modulation of the release of ATP in human keratinocytes induced by aminobisphosphonates
2022-2023	Development of Multicomponent bioink for 3D Bioprinting applications

CONGRESSES AND SEMINARS

12.1.24- 13.1.24	UPDATE ON DIABETES AND CVD	MILANO, ITALY
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WORKSHOPS

22.5.23- 23.5.23	International Workshop NO-CANCER 2023	NOVARA, ITALY
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PUBLICATIONS

JOURNAL
Migliario, M.; Yerra, P. ; Gino, S.; Sabbatini, M.; Reno [□] , F. Laser Biostimulation Induces Wound Healing-Promoter B2-Defensin Expression in Human Keratinocytes via Oxidative Stress. <i>Antioxidants</i> 2023,12,1550. https://doi.org/10.3390/antiox12081550 (IF=7.675)
Preetham Yerra , Mario Migliario, Sarah Gino, Maurizio Sabbatini, Monica Bignotto, Marco Invernizzi, Filippo Reno [□] * Polydopamine blending increases cell proliferation in Gelatin-xanthan gum 3D printed hydrogel-GELS (pending final revision), 2024 (IF= 4.6)

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

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Place and date: _____ 17/01/202 _____ Milan _____