

Curriculum Vitae

Personal information	
First name / Surname	ASRAT ENDRIAS KAHSAY
Education and training	
Dates	2019 – till now
Title of qualification awarded	PhD student: Biomedical and Biotechnology
Name of organisation	University of Ferrara, Italy
Dates	Sep 2018 – Nov 2019
Title of qualification awarded	Visiting research in Molecular Biophysics
Name of organisation	National Taiwan University, Taiwan
Dates	26 Feb 2016
Title of qualification awarded	Master's Degree in Medical Biochemistry
Name of organisation	Addis Ababa University, Ethiopia
Dates	03 July 2010
Title of qualification awarded	Bachelor's Degree in Chemistry
Name of organisation	Mekelle University, Ethiopia
Work experience	
Dates	May 09, 2011 to 2013
Position held	Graduate Assistant
Name of employer and Main activities and responsibilities	Mekelle University, School of Medicine, Institute of Biomedical Sciences, Mekelle-Ethiopia Assist a lecture on courses basic introduction to biochemistry for Nursing, Pharmacy, Midwifery and Public health) and other forms of instruction.
Dates	August, 2016 to 2018
Position held	Graduate assistance II
Name of employer Main activities and responsibilities	Mekelle University, School of Medicine, Institute of Biomedical Sciences, Mekelle-Ethiopia Assist a lecture on courses basic introduction to biochemistry for Nursing, Pharmacy, Midwifery and Public health and other forms of instruction.
Technical skills and competences	Molecular and Biochemical techniques: Western Blot, PCR, Reactive Oxygen Species, Autophagy, Signaling Pathways, Cell Culture, Aequorin, Mitochondrial Biology, Live Confocal Imaging, Luciferase, FRET, Immunofluorescence Microscopy, Fluo-4, Seahorse Assay, Calcium, Bioenergetics
Conferences	<ol style="list-style-type: none"> Salerno on 24-26 March 2022. ABCD National PhD meeting, poster presentation Rimini PhD meeting 5-6 February 2020. PROGRAMMA PHD DAY DOTTORATO IN SCIENZE BIOMEDICHE E BIOTECNOLOGICHE Oral presentation Conference papers Genomics in Medicine CME on the concept and Application of Genomics in Clinical Medicine 15th November 2017 at All India Institute of Medical Sciences, New Delhi Biozest faculty of life Sciences and Biotechnology at south Asian University, New Delhi, India 10th November 2017
Awards	<ol style="list-style-type: none"> Summer School of Molecular Medicine at the Jena University Hospital (Jena, Germany) 2018 C V Raman International fellowship for African Researchers. August, 2017. Visiting research fellowship (For 3months) at All Indian Institute of Medical Sciences (AIIMS) Department of Biochemistry New Delhi, India.
Training	<ol style="list-style-type: none"> 2019 Academia Sinica Ethics Lecture, "How it drives Science" and "Failure: Why Science Is So Successful." Dr. Stuart Firestein is a Professor and the Chair of Department of Biological Sciences, Columbia University, Taipei, Taiwan 2018 TIGP Ethics Course "Scientific Misconducts, Stories and Lessons Learned, Academia Integrity of Statistical Practice, Toward a Successful Graduate Career: the Why, the Stakes, and Some Ropes" Academia Sinica, Taipei, Taiwan 2016 Applications of Biotechnology and its Regulation New Delhi, India 2011 Teaching in Higher Education Institutions. Mekelle, Ethiopia. 2011 Effective Teaching Skills for Higher Education Faculties. Ethiopia
Publications	<ol style="list-style-type: none"> Bonora M, Patergnani S, Ramaccini D, Morciano G, Pedriali G, Kahsay AE, Bouhamida E, Giorgi C, Wieckowski MR, Pinton P (2020) Physiopathology of the Permeability Transition Pore: Molecular Mechanisms in Human Pathology. Biomolecules 10:998 Bonora M, Kahsay A.E, Pinton P (2021) mitochondrial calcium homeostasis in hematopoietic stem cell: Molecular regulation of quiescence, function, and differentiation. Int Rev Cell Mol Biol 362:111-140 Morciano G, Rimessi A, Patergnani S, Vitto V.A.M, Danese A, Kahsay A.E, Palumbo L, Bonora M, Wieckowski M.R., Giorgi C, Pinton P (2022) Calcium dysregulation in heart diseases: Targeting calcium channels to achieve a correct calcium homeostasis. Pharmacol Res 2022 Feb 4;106119 Bouhamida E, Morciano G, Perrone M, Kahsay A.E, Della Sala M, Wieckowski M R, Fiorica F, Pinton P, Giorgi C, Patergnani S (2022) The Interplay of Hypoxia Signaling on Mitochondrial Dysfunction and Inflammation in Cardiovascular Diseases and Cancer: From Molecular Mechanisms to Therapeutic Approaches. Biology 11(2):300
Membership of scientific society	<ol style="list-style-type: none"> ABCD Associazione di Biologia Cellulare e del Differenziamento Chemical society of Ethiopia Medicinal plant club in Mekelle University
Languages	Tigrigna and English; written and oral. Basic Mandarin and Italian
References	<p>Massimo Bonora, PhD Associate Professor, University of Ferrara E-mail : bnrsm1@unife.it</p> <p>Paolo Pinton, PhD Professor, University of Ferrara E-mail : paolo.pinton@unife.it</p> <p>Tamrat Abebe, PhD Associate professor, Addis Ababa University Email : tamrat.abebe@aau.edu.et</p>